



Liverpool School of Architecture

LSA BA3\_22

LSA M.Arch5\_22

LSA MA MSC PHD

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Alex Dusterloh, Deputy Head of School

#### **BA**

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BA2 Year Lead Semester 1 Anna Gidman, Semester 2 Ronny Ford

BA3 Year Lead Richard Dod

Emma Curtin Studio Communities & Contested Spaces (CCS\*) Lead

Sandy Britton Studio Pen and Inc Lead

Richard Dod Practice North Studio Lead

James Crawford Studio NOW Lead

Dr Nick Webb Heritage Related Design Studio Lead

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Book Designers – Lucy Frontani, Carnegie Book Production, Sandy Britton, LSA

Images students' and colleagues' own unless otherwise credited

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This collection represents cross section of the 2021–2022 graduating students' work

All students were invited to contribute

## **Thank you. You've been amazing!**

This book is to celebrate our 2022 graduating students and all the people that have contributed to this school and the amazing work that has come out of it over the last twelve months.

It is a unique snapshot capture of moments from across the school in research, lecture hall and beyond compiled into a dense 400-page block.

With the continuity of the academic year cycle – the ingress and egress of students – it's always a pleasure to gather together images and words from the parts. We can see how things are different from a year ago and the year before that and that...

We can't capture everything but we hope that it will help to mark the unique qualities of 2021–2022.

Thank you X

Liverpool School of Architecture class of 2022  
congratulations.



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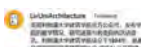
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*The collaboration between LSA and LUP was initiated in 2016 by  
Marco Iuliano, Sandy Britton and Anthony Cond*

<http://www.liv.ac.uk/architecture> and <https://www.virtual-lsa.uk/>

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# Contents

Head of School Address	6	Architectural Heritage	280
‘From the ground up, from the inside out’: the new Liverpool School of Architecture	8	ArCHIAM: Centre for the Study of Architecture and Cultural Heritage of India, Arabia and the Maghreb	282
<b>Introduction to BA</b>	10	Architectural and Urban History Research Group	284
BA1. Year Lead Lucretia Ray	12	Centre for Architecture and the Visual Arts	286
BA2. Year Lead Anna Gidman and Ronny Ford	16	Environment, Sustainability and Technology in Architecture (ESTA) Research Group	288
BA History & Theory of Architecture modules	22	Urban Form and Social Space	290
BA3. Year Lead Richard Dod	24	Research Led Events	292
Studio Communities & Contested Spaces (CCS*). Lead Emma Curtin	26	Re-Thinking Liverpool’s Railway Heritage	293
Studio Pen and Inc. Lead Sandy Britton	58	Uprooted Syrian heritage resettled in the UK	294
Practice North. Lead Richard Dod	92	Heritage Event	296
Studio NOW. Lead James Crawford	122	Publications	297
Heritage Related Design Studio. Lead Dr Nick Webb	156	Swedish Wood: Sponsors of LSA22 yearbook print	302
<b>Introduction to M.Arch</b>	190	<b>Post Graduate Research and Taught Programmes</b>	307
M.Arch4. Year Lead Dr Katerina Antonopoulou	192	Post Graduate Research	308
M.Arch4 Studio 1: Urban Beaches: Domestic Commons	194	Graduating PHD Students	309
M.Arch4 Studio 2: Space and Narrative	196	Current PGR Students and PHD research title	310
M.Arch4 Studio 3: The Future of the Past	198	Post Graduate Taught Programmes	312
M.Arch Dissertation	200	MA in Architecture	314
M.Arch Dissertation: Safeguarding Liverpool’s Historic Urban Landscape	201	MSc Climate Resilience and Environmental Sustainability in Architecture (CRESTA)	328
M.Arch Dissertation: Urban and Social Transformations in Post-War New Towns	202	MSc Building Information Modelling and Digital Transformation	330
M.Arch Dissertation: Biomimicry: a catalyst to future underground (re)development?	203	MA in Sustainable Heritage Management	332
M.Arch Dissertation: Community-First Living	204	Exploring Intangible Cultural Heritage in the UK	334
M.Arch Dissertation: CITY vs BODY	205	Site Visits MA in Sustainable Heritage Management	335
<b>M.Arch</b>	206	<b>Extra Curricular Events and LSA Community</b>	337
<b>Thesis Projects</b>	208	Abercromby Square Railings Exhibition	338
<b>She Made it Home</b>	208	What Now? Careers Days 2022	340
<b>Rethinking Schools: Urban Playgrounds</b>	212	International Women’s Day Design Charette	342
<b>Rethinking Public Spaces</b>	213	Tactical Urbanism Now! Competition	344
<b>Homelessness: Providing long-term solutions through Architectural Design</b>	214	Stephen Lawrence Day Event 2022	346
<b>Feminist City: A Typology for Activism</b>	216	Heritage and Sustainability Symposium	348
<b>Life Back to Future</b>	218	Carbon Counts Exhibition	350
<b>In Search of the Civic: A network of Public Amenities in the Baltic Triangle</b>	221	Carbon Counts: Heritage and Sustainability	354
<b>Jumpers for Goalposts</b>	222	4x4 Wales Build Project – Studio in the Woods	356
<b>Dream of Dorset: An Ecological Residence</b>	225	Ideas for Huyton	358
<b>Cultural Preservation and Celebration in Babylon</b>	226	Budapest Trip Summer 2022	362
<b>Blast Resilient Architecture in Conflict Zones</b>	227	Venice Biennale 2022	364
<b>Don’t Panic!</b>	228	Professional Studies in Architecture	366
<b>Planning with Purpose</b>	232	3x10 Lunchtime Lecture	367
<b>The Failing Culture of a Town</b>	234	Guest Lecture Series 2021–2022	369
<b>Andover Estate 2022. Post War Housing Estates. Next Steps.</b>	236	LSA Community	370
<b>Sensory Garden</b>	240	Equality, Diversity and Inclusion	371
<b>Reclaiming Hell</b>	242	BLAC (Black Led Architectural Collective)	372
<b>The Cooperative Design Manual</b>	246	LSA Climate Crisis Group	374
<b>The Others Archive</b>	250	Femin.AE	376
<b>Challenging the Regeneration of post-industrial towns</b>	254	Queer Students of Architecture	378
<b>The Women in Construction Hub</b>	258	ASOC	380
<b>Occupying the Ropewalks: Reintroducing Community Within Vacant Spaces</b>	259	Creative Workshop	382
<b>The Welsh Centre: Changing the Future for Care Leavers in Liverpool</b>	260	LAS Honan International Travel Scholarship	384
<b>Retreat from Urban: Ornament, Modernism and Sacred</b>	261	Liverpool Architectural Society	385
<b>Industrial Nouveau: Burnley</b>	262	<b>Acknowledgements</b>	387
<b>Liverpool Plastics Innovation Factory</b>	266	LSA 2022 Summer Degree Show and Prize Giving / BA Prizes	394
<b>Rethinking Schools: Urban Playgrounds</b>	268	Year of 2022 Graduating BA Students	395
<b>Reclamation of the Buffer Zone</b>	270	M.Arch Prizes / Alumni / Sponsors	396
<b>Research</b>	275	Year of 2022 M.Arch Students	397
Context of ongoing research at LSA	276	Whole school photo 2022	398
Acoustics Research Unit	278		



## Head of School Address

**Professor Ola Uduku**

Head, Liverpool  
School of Architecture



It is an immense privilege and gives me great pride to write this as incoming Head of Liverpool School of Architecture. Whilst we have come through challenging times, I think that LSA has been fortunate to have had strong leadership over its more than century-long existence, long may this continue! My move from Manchester School of Architecture to Liverpool, has made clear to me that although less than fifty miles apart, our school is distinctly unique and has very different characteristics to Manchester and other Architecture schools in the UK. I appreciate the attitude and drive that underpin the creative design work resulting in the 'Liverpool architecture style', which is still clear to see in our students. Coming back Liverpool after over more than 20 years away has been a very happy event, I have had really wonderful support and warm welcomes from all at LSA and already feel very much part of the family.

I graduated from the University of Nigeria, with a BSc. then an M.Sc in Architecture, my most inspirational teacher being Professor John Owuso Addo, one of the first Ghanaian architects, who had worked in Kumasi and collaborated with Eastern European Architects on the design of the Unity Hall student residence. I then worked for a brief period as a Junior Architect in the then named James Cubitt and Partners Nigeria Ltd, and witnessed the completion of the tail end of some of its major Nigerian modernist-post modernist projects such as Senate house, University of Lagos, Chellarams Tower (now the UBA group building) Marina Lagos and the Faculty of Science buildings at the University of Nigeria, Nsukka. After passing the Nigeria institute of Architects part 3 examinations and becoming a Nigerian chartered architect, I came out to the UK to complete an MSc, leading on to a PhD in architecture focusing on Factors affecting Secondary school Design in Nigeria. My interest in environmental design stems from my MPhil research studies on tropical school design and has also led to research into developing teaching tools for environmental analysis and thermal comfort. I am passionately in support of conserving modernist

heritage and am a member of the conservation movement Docomomo International. As this is a global issue I have worked to develop Architecture writing workshops in Ghana and Nigeria to support students and young researchers in writing about their recent architectural heritage.

I am also interested in EDI issues, and particularly equity in Architecture are crucial to the evolution of Architecture as a profession for all. We are all painfully aware that there was no guarantee that Stephen Lawrence, would have become an architect today as issues of equity and access remain with us for students from underrepresented backgrounds. With Liverpool School of Architecture's long history of welcoming international students including the hosting of the Polish School during WW2 and its International alumnae I feel we are well placed to champion today's issues of access and equity in Architecture in all areas.

For Architectural education the past two 'lockdown' years have been disruptive but they have also led to the opening up of the digital and hybrid world in teaching and international collaborations. This is an area I hope we can support and build on, as we move into a post-covid world.

Finally, I am looking forward as we all are at LSA to the commencement of the building of the O'Donnell and Tuomey designed, new Architecture extension. This, will surely like the extension by King McAllister, nearly four decades earlier, bring a new unique and distinctive 21st century character to our historic school. The Liverpool Style is very much still with us.

I bid you welcome and hope you enjoy the LSA Exhibition and the work of our amazing 2022 graduate students.

## ‘From the ground up, from the inside out’: the new Liverpool School of Architecture

**Dr Marco Iuliano**  
Competition Director

*In 2019, O'Donnell + Tuomey (ODT) won the competition to rethink and extend the new Liverpool School of Architecture. The Irish practice was chosen over the thoughtful submissions of the other finalists – Grafton Architects, Eric Parry, Carmody Groarke, Haworth Tompkins and 6A.*

*To witness the development of the project has been a fascinating experience. After the competition a collegial approach was agreed upon: a team that included University Estates, ODT architects and LSA representatives was set up to form the project control group. Now, three years later, the first excavations are just taking place and, in the fall, we might finally see the ‘cornerstone’.*

*At the end of each academic year, we update the progress in the yearbook. This time it coincides with the publication of ODT's More Space for Architecture (London, 2022) where the project is featured. So, it seemed a good occasion to read the reflections of the architects, since they agreed to publish an extract of their book – thank you Sheila and John!*



The brief for this unusual competition aimed “to redefine the nature of architectural education and to challenge the current preconceptions of architectural design, imagining a building respectful of tradition, but ambitious enough to anticipate the architecture to come”. The School was committed to an inclusive process, involving staff and students in the competition assessment together with an external jury; Maria Balshaw, Kenneth Frampton (chair), Juhani Pallasmaa and Michael Wilford. The Liverpool School, having been the alma mater of James Stirling, was a special project for us.

The existing complex includes Georgian terraced houses, a 1930s courtyard building with subsequent infill and extension works. The brief recognised the “lack of cohesion among the parts, a missing public core and social spaces” while requiring all of the existing fabric to be retained. Our design adds to the narrative, starting from the baseline of the Georgian square, relating to the scale of the existing buildings, respecting their material presence, responding to the roof-lit section. Previously disconnected parts are stitched together to make a meaningful whole.

We started from the ground up; from an analysis of the site conditions, from the history of the school, from a desire to embody the project aspirations. The extension opens towards the angled geometry of the Lutyens/Gibberd cathedral. It makes a new entrance on the main street of the campus. It turns the corner to face the central green space. The building belongs to its place.

We started from the inside out; a concrete table supports timber-trussed loft-space studios above. The gathering hall is a public exhibition space, its ribbed slab supported on haunch-headed columns. Upper-level studios are arranged under 30m clear-span roof trusses, with solar-shaded daylighting. The building is designed to be adaptable to change and to last a long time.

*Sheila O'Donnell and John Tuomey*  
ODT Architects

*North East view of the new LSA, towards Liverpool Metropolitan Cathedral*

# Introduction to BA

**Alex Dusterloh**  
Director of Studies

This year, 128 students are graduating from our BA Architecture course. One of the smallest BA3 groups for a number of years and a result of the ongoing COVID disruptions that have influenced so much of this cohort's university experience.

Many plans had to be aborted, adjusted or reconsidered but all staff and students in the BA always responded with imaginative and creative solutions to the many challenges. Additional tutorial sessions, extended teaching days and use of various digital platforms, alongside the gradual return to the lecture theatre mean that students were supported during all stages of the academic year.

However, the last couple of years have reinforced the significance of the studio space and the importance of working alongside our peers in a shared creative environment. It is difficult to teach or learn about architectural space in an entirely virtual environment, nor can we capture all qualities of architectural design in an entirely digital presentation. We are therefore pleased to see the return of constructed models, crafted hand-drawings and creative sketches, alongside the many computer-generated images, which have made it into this publication. It is also great to once again hold a physical copy of this work, alongside a permanent digital online record.

In the BA3, students worked in 5 different studio groups across various sites in Liverpool and beyond. Students were taking 'informed actions' in response to a range of architectural design problems. They have tackled issues surrounding context, heritage, culture and identity in a variety of settings. While the projects are differing in scale and location they can also be connected by shared objectives, which include: The need to relate buildings and the spaces between them to human needs, as well as an understanding of the relationship between people, buildings and their specific environment. There were some common themes of reuse, regeneration and re-imagination, which are informed by current issues and contemporary practice.

"Hybrid" working has been a theme for the last academic year and this new way of working and communicating is reflected in current architectural practice and our graduates are well prepared for this and the future:

An accredited BA degree in Architecture is a step towards practice and membership of the profession. But in the first instance it

is also an introduction to architectural design and the creative process. It is challenging to meaningfully unravel and teach this complex subject, but throughout the course our students are equipped with three key strengths:

## Skills

"The ability to do something well; expertise"

From the start they have gained technical proficiency, understanding of practical requirements, conventions and professional conduct. Their graphic ability in architectural representation is clearly evident in the quality of their final submission. But they also demonstrate their understanding of how technologies and expertise contribute and enhance architectural design.

## Knowledge

"Facts and information acquired through education and the theoretical understanding of a subject."

Alongside the essential skillsets, students gain knowledge of history, theory, socio-economics and the cultural context of architecture. This critical historical understanding is crucial to the proper understanding of architecture as a creative act.

Much of this knowledge is explicit in the work in this book, while some is perhaps more tacit but should not be forgotten. We know it will prepare our students for the professional life and the further studies that lie ahead of them.

## Praxis

"the process by which a theory, lesson, and skill is enacted, embodied, and realized"

Most importantly, students have with the help of their tutors started to turn their knowledge and skills into individual architectural praxis.

Across the course, students have taken 'informed actions' on a range of architectural design problems. They have tackled issues surrounding context, heritage, institutions, identity and explored the future of the high street in a variety of urban conditions. This wide range of work is a celebration of the diversity of our School and a testament to the ability of our student cohort.

We would like to congratulate them on their achievements, thank them for their outstanding contributions and wish them all the very best of luck for their future.



# BA1

## Lucretia Ray

BA1 year lead  
and Orthographic  
drawing strand  
lead

## BA1 studio staff

Paul Bower (deputy  
lead and Model  
making strand lead)  
Hanan Barakat  
Jane Cadot  
Jon Male  
Lizzie McHugh  
Yisi (Lewis) Liu  
(Sketching strand  
lead)  
Luke Bushnell-Wye  
Marcus Schofield  
Matina Vrettou  
Monika Koeck  
Dr Niall O'Hare  
(Theory strand lead)  
Roisin Hanlon  
Roland Keogh  
Suliman Alla

Thank you to all  
the LSA staff, BA2,  
BA3, MArch4 and  
MArch5 students  
who helped at BA1  
reviews

In 1st year we encourage experimentation and exploration. This year we've done that by going to the beach – 4 times. We began at Formby Beach where we experimented at 1:1 scale by understanding site conditions and shelter building. Our 2nd trip was to Leasowe beach for the students' 1st project, which was a beach hut for a craft person on the tidal defences. Then in Semester 2, we explored New Brighton, where the students were asked to design a Craft centre on the Marine Promenade. Our final beach trip was to Llandudno to visit Mostyn Art gallery and had fish and chips on the beach.

Throughout 1st year, students develop foundational architectural skills: model-making, orthographic drawing, sketching and theory and critical thinking. This year, students designed an external classroom through exploring, testing and developing ideas through physical model-making. In Theory, the students were introduced to critical points of view representing diverse and sometimes opposing arguments. The students were encouraged to be inspired by the texts and respond to them creating their own new, personal perspectives. In 2nd semester, in Sketching and Theory, students were encouraged to explore the Five Senses in relation to different spaces around Liverpool City or imagined spaces, seeing their body as a filter through which we make sense of spaces we explore. The students built on these key skills throughout the year producing beautiful models and drawings for their final submission.

The 1st years have been fortunate to have had excellent talks from Alex Turner of Studio MUTT, Mark Anstey of EWA and Dan Davies of Rockpoint Leisure to support their design projects.

BA1 students, we've really enjoyed teaching you this year. We hope you enjoy 2nd year – keep experimenting, exploring, sketching, reading and touching buildings!

The BA1 team

In 1st semester, the students developed foundational architectural skills in Orthographic Drawing, Sketching, Model-Making, and Theory and Critical Thinking.

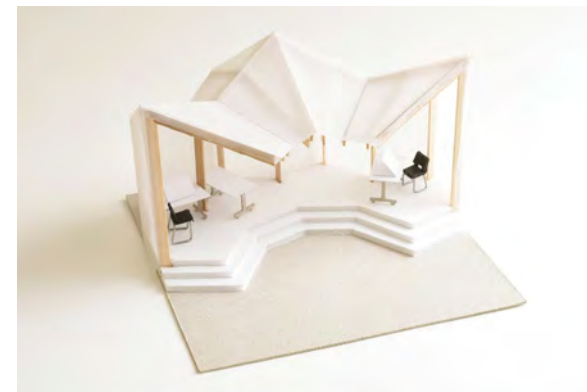
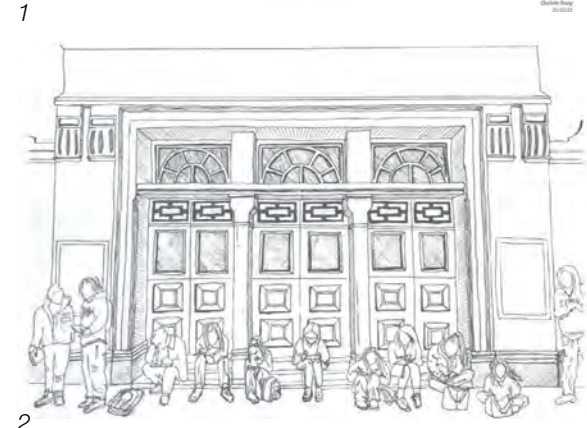
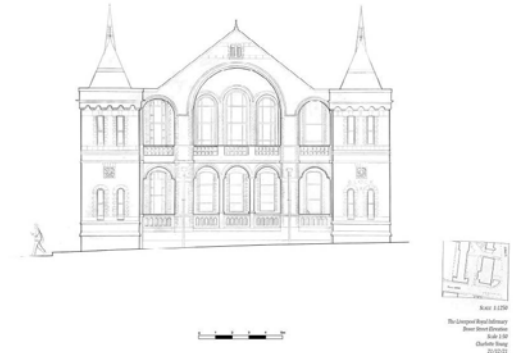
1 Liverpool Royal Infirmary, Dover Street  
Elevation  
Charlie Young

2 Sketching outside Playhouse  
Ella Mead

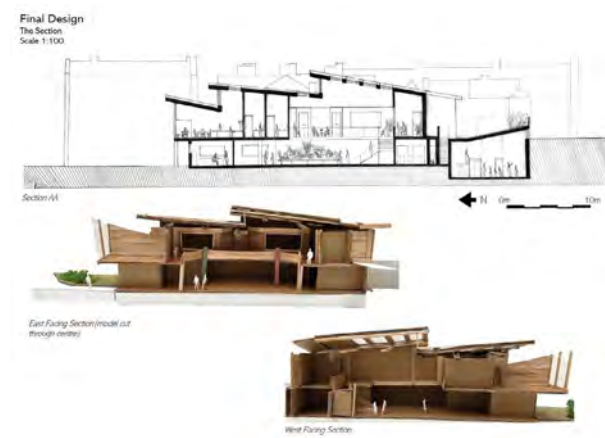
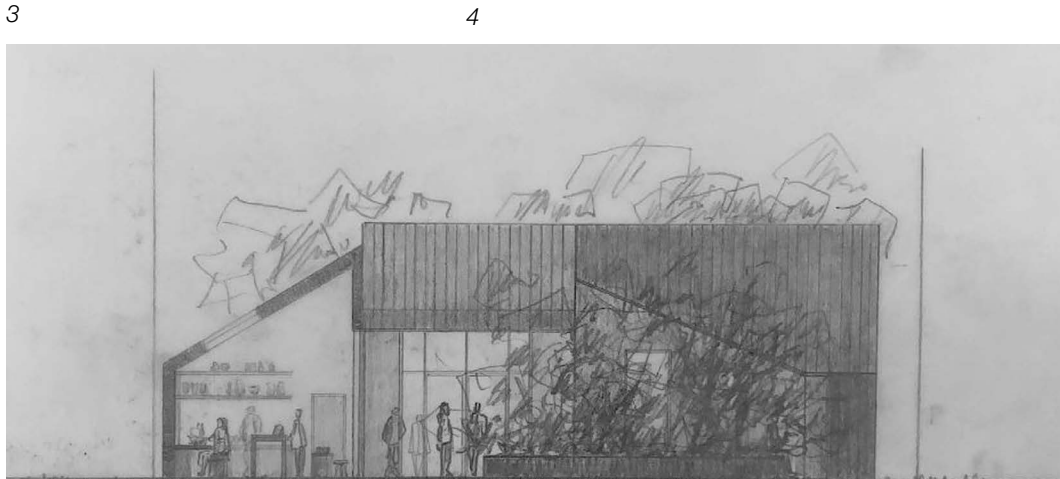
3 Outdoor classroom for LSA  
Erlina Long  
Highest Achievement School of the Arts  
Academic Achievement Award

4 Outdoor tutorial space for LSA  
Rorik Smith

5 Theory booklet  
Grace Newman







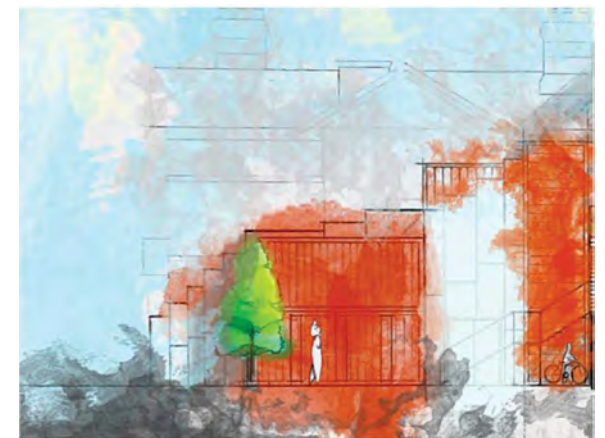
1 Port to Port  
Sinead Mandy

2 Embrace  
Erlina Smith

3 New Foundry  
Adam Twitchett

4 Oblique Centre  
Fred Snell

5 The Recraft Centre  
Elena Bandar

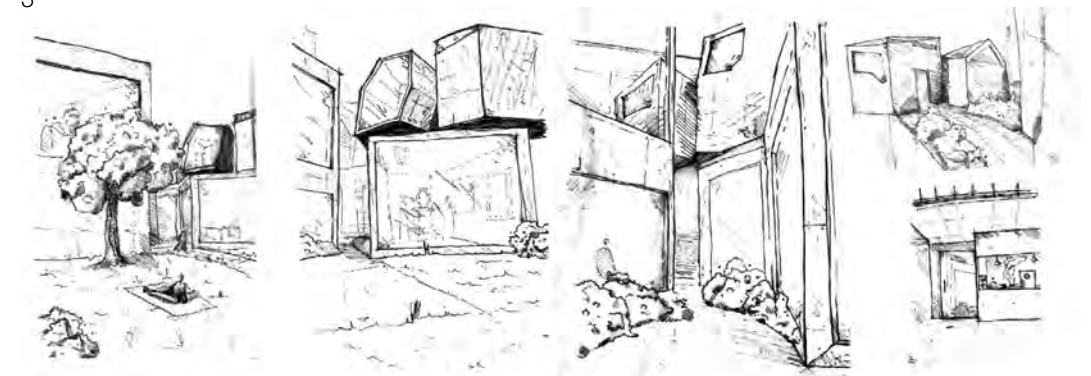


5

2



3



4

1 Jiffy Centre, Jamie Malavi; 2 The Creative Courtyard, Emily Walker; 3 The Tower of Vision Byan Basahey; 4 Scuter Art Inst. Workshop, Ashlea Smith; 5 Handcrafted Fragments, Aisling McGonigle



## BA2

### Anna Gidman

BA2 year lead  
Semester 1

### Ronny Ford

BA2 year lead  
Semester 2

#### BA2 studio staff

##### Studio 1

Patrick Zamerian

Hanan Barakat

Martin Shutt

Michael Baldwin

##### Studio 2 – Sem 1

Andrew Crompton

Ronny Ford

Phil Owen

James Nicholls

Matthew Armitt

##### Studio 3

Alex Dusterloh

Junjie Ji

Peter Farrall

Marcus Schofield

##### Studio 4 – Sem 1

Anna Gidman

Niall O'Hare

Ben Prince

Nick Wilde

##### Studio 2 – Sem 2

Ronny Ford

Phil Owen

James Nicholls

Matthew Armitt

Matthew Ashton

Jane Cadot

##### Studio 4 – Sem 2

Andrew Crompton

Niall O'Hare

Nick Wilde

Ben Prince

Caoilinn McConville

Year 2 is stringently defined by CONTEXT, the first semester through elevating an array of sensitive gap sites existing within Liverpool City Centre, the main studio project being the 'a topos' locations identified by global coordinates where each student designed in response to various attenuated typological briefs with specifically challenging climate zones from tropical to arctic conditions. In each of the eight climate zones, the briefs ranged from an outdoor activity club, a visitor centre, to a retreat, and a research centre. The emphasis was environmental design, as well as the relationship between a building and the landscape in which it is placed. The aim was to preserve and enhance the character of the location while facilitating a complex brief.

Semester 2 took the locale of Birkenhead with its rich urban history together with a master plan that was never fulfilled. This history forms a backdrop to a redefinition of the area firstly via an Urban Morphology project that was conducted in groups together with a modelling exercise. The studio briefs referenced typologies that ranged from a music school, a jazz club, a new school complex and finally an auction house.

The students were offered a series of sites across the area all with different challenging contextual elements that were to be responded to. This resulted in design proposals that referenced everything from the domestic terrace bay window to shipbuilding iconography and even a series of diverse global references to other cities such as New Orleans and Shanghai.

We were able to have field trips again, studio 4 went to Oxford to look at interesting buildings, including new student accommodation at Balliol by Niall McLaughlin Architects for which our tutor, Caoilinn McConville had been the project architect. Other studios went to the Yorkshire Sculpture Park and Brockholes Visitor Centre.

#### Special thanks

Huge thanks to the BA3, MArch 4 and MArch5 students who attended our student led reviews



Agnieszka Kania

Birkenhead College Of Music Urban Morphology Study



Rosinamc Lean

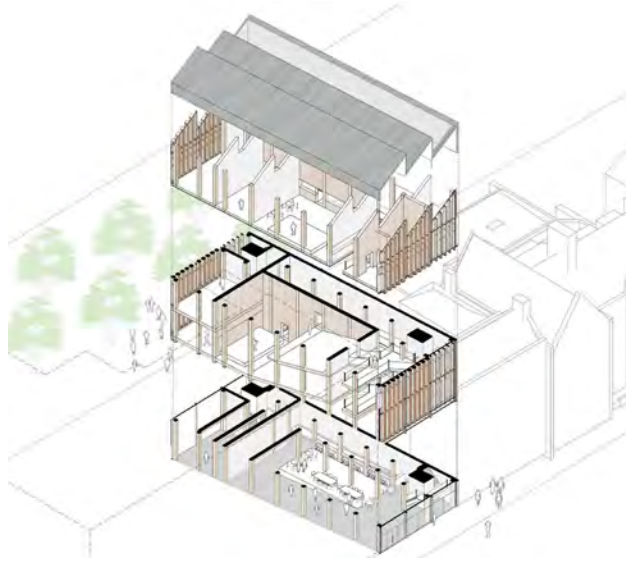
Birkenhead Auction House Exterior Perspective



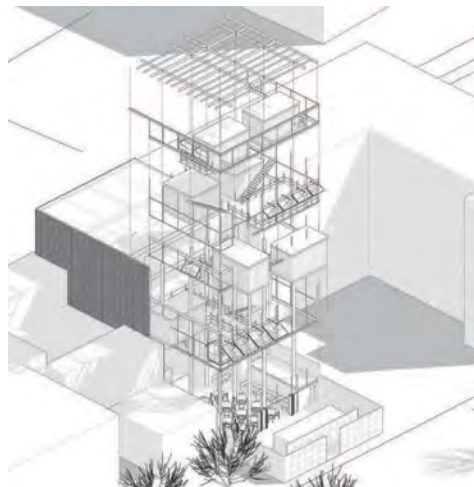
## Studio 1

The main studio project in semester 1 was for a visitor centre in one of the eight designated climate zones, complete with a coffee shop and a small exhibition area. In semester 2, the students designed a music college centered upon a medium-sized auditorium. They again had the choice between eight sites, this time in Birkenhead, and the main challenge was to combine public and private functions on a restricted site while responding sensibly and beneficially to the wider urban area.

*Visitor Centre – Exploded Axonometric*  
Louis Smith



*Birkenhead Music School – Exploded Axonometric*  
Angel Chase



*Birkenhead Jazz Club – Exploded Axonometric*  
Ching Bosco Wong

## Studio 2

The main project defining the year in studio 2 was a jazz club located in Birkenhead that is on the other side of the river from the City of Liverpool. The scheme offered a series of opportunities to look at global criteria such as world music, cultural shifts, economic viability, political definition, ethnicity, and globalisation from the macro to the specific context of the decline and rejuvenation of Birkenhead itself. The outputs were of a high standard and represented a series of forms that referenced the locale as well as that beyond where relevant. The domestic terrace bay window, decorative brick, and sandstone, shipbuilding references from riveting to port holes as well as the relationship to the River Mersey were all referred to as elements for informing design avenues that would in turn generate a cultural branch appropriate in reviving Birkenhead and in encouraging a more dialectical relationship with Liverpool and further afield.



*Royal Entomological Society Research Station – Perspective*  
Li Yin

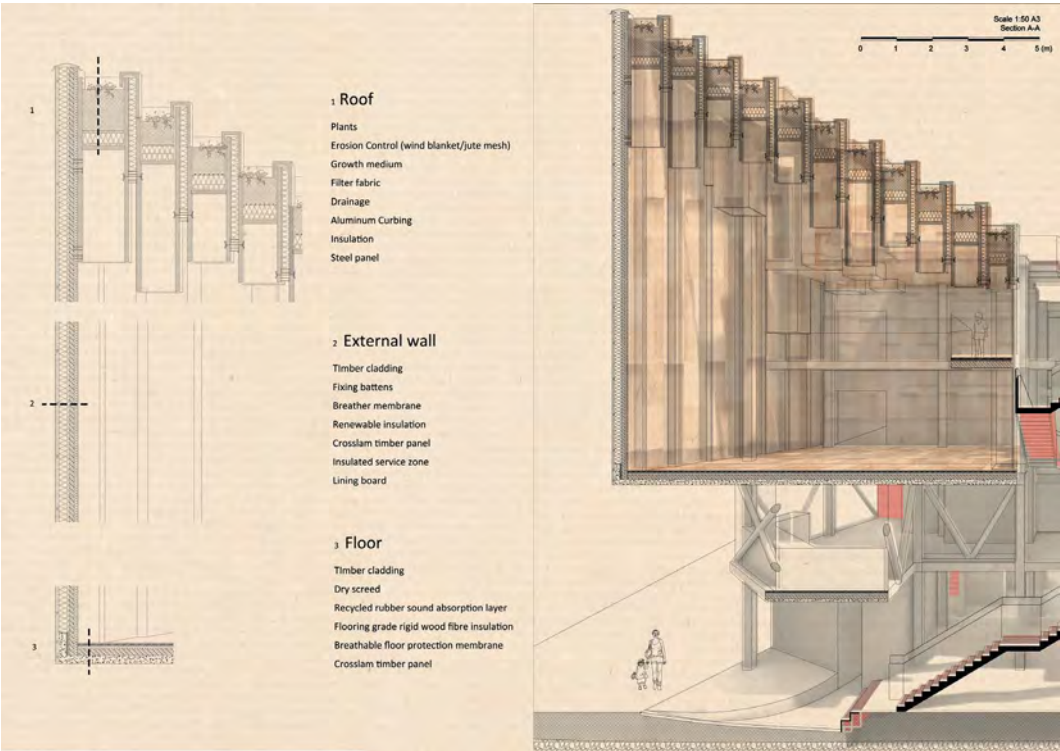


*Birkenhead Jazz Club – Model*  
Ioana Brancuza



Studio 3

The semester 1 project was an “outdoor activity centre” and students were asked to design a building in one of eight different climate zones for an appropriate outdoor sport. The emphasis was on the relationship between a building and the landscape in which it is placed. In semester 2 the emphasis shifted from the rural to the urban, with students designing a primary school in Birkenhead town centre. They again had a choice of sites, which encouraged evaluation and comparison as part of the site analysis. While semester 1 was focused on topography, semester 2 also explored the social, economic and urban development as part of the project’s context. By working on relatively tight urban sites, students were also forced to challenge the conventional typology of a primary school: rather than ‘sprawling out’, the designs explored vertical circulation and multi-storey buildings.



Sports Facility – Detail + Section  
Haiyun Zheng

Birkenhead School – Model  
Ling Kong

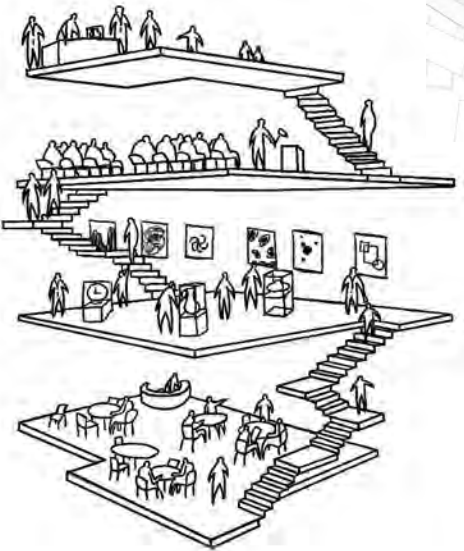
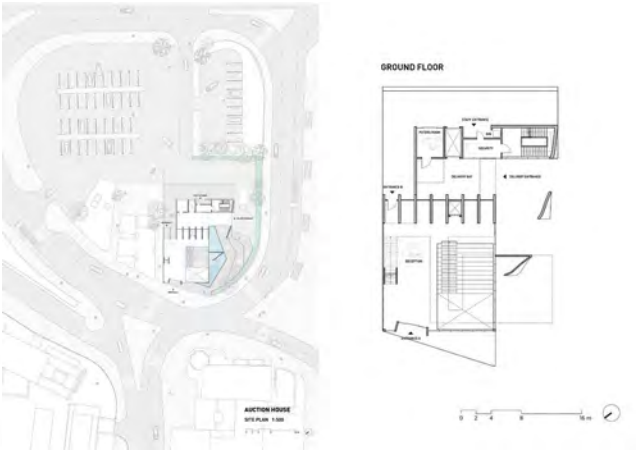
Studio 4

The focus in Studio 4 was the design of BAH: Birkenhead Auction House. Some went for high end art sales like Sotheby’s, others sold old furniture or football memorabilia, each approach leading to different sorts of buildings. The theatrical quality of the sale-room and the complex circulation interface of people and objects made this a challenging planning exercise. In April we went to Oxford to look at interesting buildings, including new student accommodation at Balliol for which tutor Caoilinn McConville had been the project architect for Niall McLoughlin Architects.



Birkenhead Auction House –  
Exterior Perspective  
Jianweng Lu

Birkenhead Auction House –  
Site + Ground Floor Plan  
Chuhan Sun



Birkenhead Auction House – Circulation Diagram  
Qianyu Lu



# BA History & Theory of Architecture modules (ARCH171, ARCH271, ARCH321)

**Dr Ranald  
Lawrence,  
Dr Yat Shun  
(Juliana) Kei  
and Dr Christina  
Malathouni**

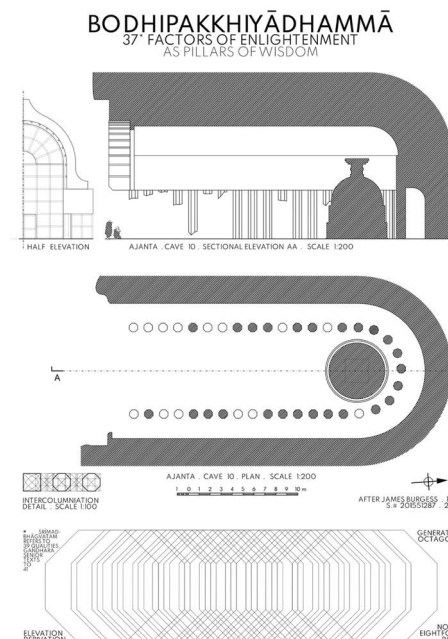
*Tutors*  
Dr Barnabas Calder  
Julian Ferraro  
(English)  
Ewan Harrison  
Professor Iain  
Jackson  
Dr Yat Shun  
(Juliana) Kei  
Dr Ranald Lawrence  
Dr Christina  
Malathouni  
Adam Mannis  
(Engineering)  
Dr Giamila Quattrone  
Professor Nicholas  
Ray  
Dr Torsten  
Schmiedeknecht  
Dr Mary Shepperson  
Dr Junjie Xi  
Dr Patrick Zamarian

*Special thanks*  
Noor Ragaban  
Razan Simbawa

In BA1, ARCH171 provides an introduction to the history of architecture across cultures and geographies. Students explore the relationship between architecture and society, both in terms of use and meaning, based mainly on case studies. The module starts off by considering different approaches to the history of architecture, and proceeds to discuss the many ways in which works of architecture are bound to their social, technological and climatic contexts. A series of vernacular, historical, and modern examples are examined to show how buildings reflect their cultural and geographic settings.

In BA2, ARCH 271 introduces students to key events, theory, and practice in modern architecture. The discussions are arranged thematically through People, Nature & Environment, War and Colonialization, and Globalization. The on-line teaching also gives us an opportunity for more peer-to-peer teaching and learning. Students are asked to introduce one modern building (1850s to the present) from their countries/regions of origin.

In BA3, ARCH321 focuses on the twentieth century. The changes in the conception, realisation, and communication of architecture that this century brought about were so radical that their understanding continues to be crucial for design and practice today. The principal aims of the module are that students attain a broad understanding of some of the innovative aspects of twentieth-century architecture and that they are also exposed to the great variety of approaches that one can follow when studying architectural history. In line with these points, the module is structured and delivered so that it engages students with the research of University of Liverpool staff. It consists of two delivery components: lectures and seminars. There are also a number of key texts which the students are expected to be reading every week, in parallel to the material delivered in lectures. Architectural Engineering students also join the module, as part of their own degree.



*Drawings of Cave 10, Ajanta, India  
Rorik Smith*

*Modern Architectural Map by ARCH271 Students  
ARCH271 Students*



*The creation and then the destruction  
of Frank Lloyd Wright's Pauson House  
– a mixed media two-part collaged  
comic  
Rebekah Garner*

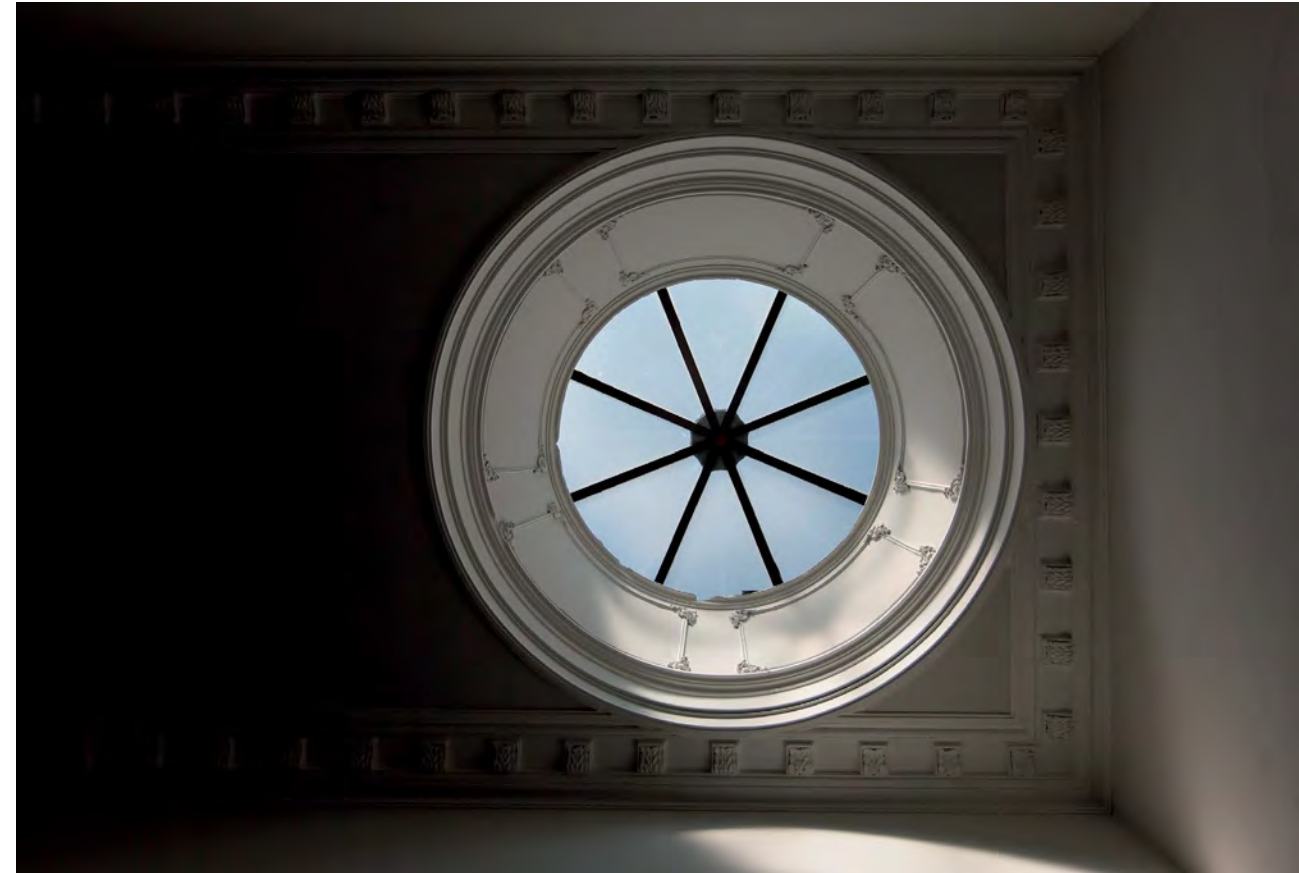
## BA3

**Richard Dod**  
BA3 year lead

BA3 studios have experienced a confluence of interest this year. We usually have distinctly different agendas, underpinned by common criteria, however a number of post-covid themes have asserted a more collective approach in 2021/22. This has included the importance of community; options for reinvigorating the high street; and the creative readaptation of existing buildings, including heritage assets in some projects. Every studio has based both Semester 1 and 2 projects in a single location or around a chosen theme in order to achieve a rigorous exploration of place and topic. There is no assertion that our projects are the same. Only that each studio seeks to be relevant in these emergent times and to stay connected with an architecture that has a social agenda and is both meaningful and joyous.

These last three years in, and outside, education have been challenging. No intake at our School will have experienced this more so than our BA3 graduating class this summer. Nonetheless they have displayed camaraderie in abundance and a desire to succeed whatever the odds throughout these times. There has been relentless enthusiasm and absolute determination in the pursuit of excellence. The result of such endeavour and inspirational output can be seen in the pages that follow.

Many congratulations to the class of 2022. You can be proud of your achievements and resilience in extraordinary times. We wish you further success and know that a bright future lies ahead.



*Looking Up at Liverpool School of Architecture  
Image by Martin Winchester*



# Studio Communities & Contested Spaces (CCS\*)

Emma Curtin (lead)  
Dr Ranald Lawrence  
Michael Southern  
Hazel Weir

*Guest Critics*  
Daniel Aston-Clarke  
Alex Dusterloh  
Dan Gibson  
Finnegan Hulbert  
Tom James  
Andrea Ku  
Peter Mitchell  
Kelly Morris  
Francesca Piazzoni  
Lucretia Ray  
Raphael Selby  
May Tang  
Dominic Walker  
Alexandra Williams  
Dr Patrick Zamarian

*Special Thanks*  
Eamonn Canniffe  
David Miller  
Ted Ruffell  
Squash Liverpool  
Becky Vipond

Architecture is a political practice, so students are encouraged to consider the impact of their design decisions on local and global communities living in a climate emergency. They devise building programmes that contribute to the development of a resilient city. We design with low carbon construction and re-use existing structures. Students engage in value judgments regarding the social and cultural value of existing buildings, their embodied carbon content, and the development and justification of appropriate strategies for intervention, repair and re-use. We use large scale models of architectural moments to explore how users experience our designs, considering aesthetics, internal environmental qualities, and construction.

The student's first project employed timber construction and proposed a Community Kitchen for sites in Sefton Park. Their final project, Make Eat Share, explored how buildings on our campus could be re-purposed for making the things we use every day in sustainable ways, and to provide spaces that contribute to the social life of the city. Students began by studying and modelling these buildings, then researching an everyday object, to understand the process and impact of its production in a globalized world, alongside sustainable alternatives.

Students have used the existing structures in exciting and unexpected ways, creating useful and delightful spaces which illustrate the potential that exists in our built environment today.

## Students

Sumaiyah Bashir	Qianye Hu	Alexander Murthy
Rhys Bennett	Yanjie Huang	Minseok Park
Joseph Brierley	Gwilym Humphreys	Joshua Pemberton
Ye Chen	Lanhui Jiang	Zhiye Shen
Francesca Coey	Marco Lam	Kaja Strzemiescka
Tong Dai	Yasi Li	Shiyu Wang
Joseph Dolden	Grace Limani	Yenny Weng Mei
Yuhao Fei	Ruochen Lu	Wenxi Zhang
Charlie Fletcher	Xiaohan Ma	
Alice Garner	Veronica Martinez	
Ziqian Guo	Huw Morris-Jones	

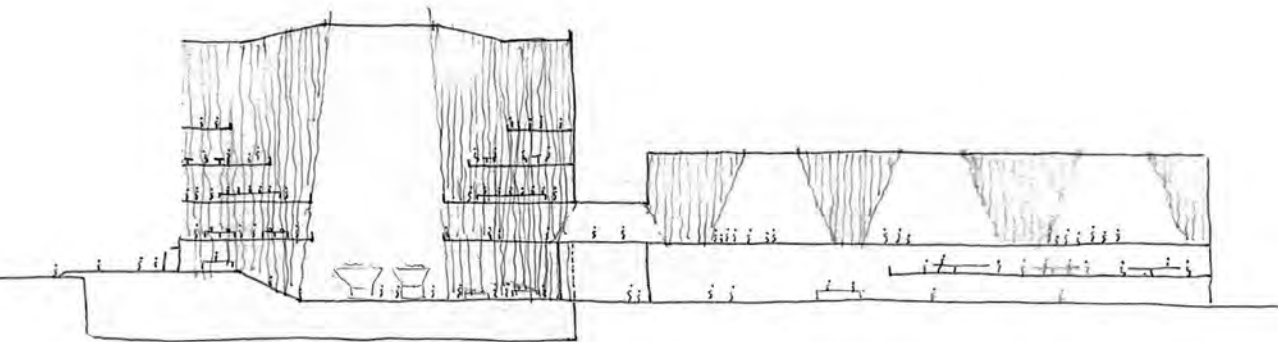


*Reconstruction of the Box*  
Sumaiyah Bashir  
Physical Model

Winner AHMM award for Urban Heritage and Design

### Sumaiyah Bashir

Inhabiting a Frame / Internal View of Atrium Space and Factory Floor  
*Reconstruction of the Box*  
Hand drawing / CGI



### Rhys Bennett

Fostering Connection to University Square / Varying Functions of the Modular Component  
*Assemble*  
CGI

Winner School of the Arts Academic Achievement Award  
Emma Holt Travel Scholarship for academic achievement  
Winner John Rankin Awards for best sketch designs  
Runner up Liverpool Architectural Society Student Awards 2022



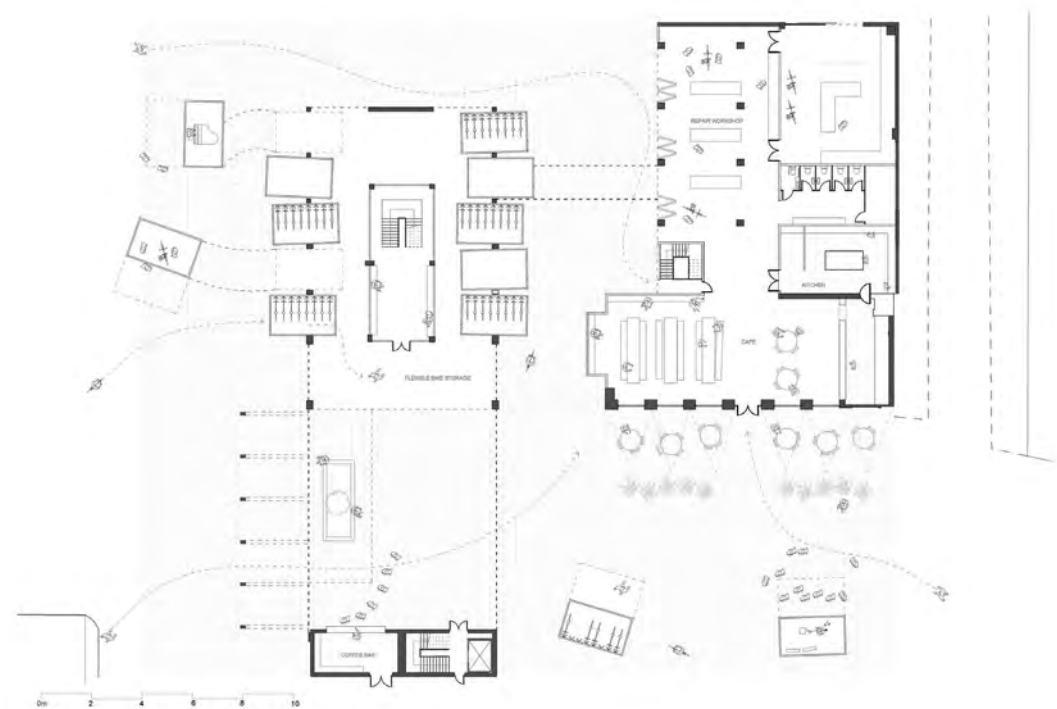


Joseph Brierley

Master Plan Isometric / Ground Floor Plan

*Cycling Campus*

CGI

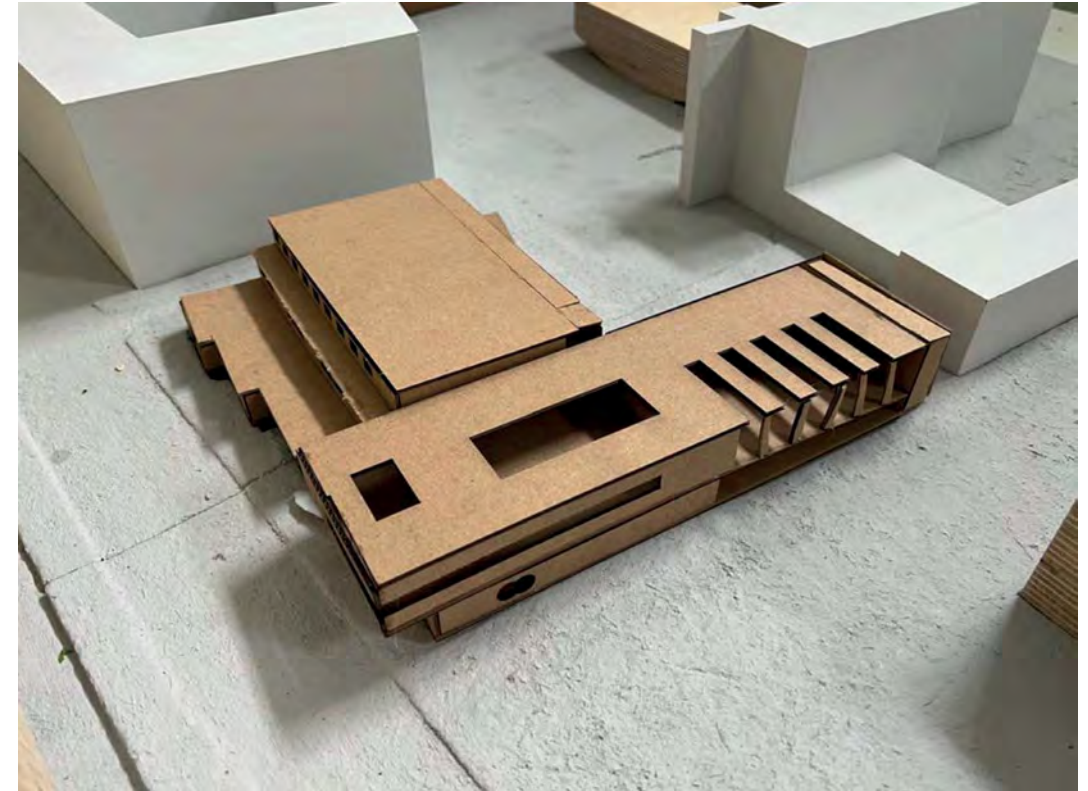


Ye Chen

Proposal shown in context

*Glasses Factory*

Physical Model



Francesca Coey  
Long section / Detail section & elevation  
*Engineering Coffee*  
CGI



Tong Dai  
Perspective short section / Exploded axonometric drawing  
*Knitting Chaos*  
CGI





Joseph Dolden

Exploring an Architectural Moment

*The Lonely Potter Paradise*

Physical Model

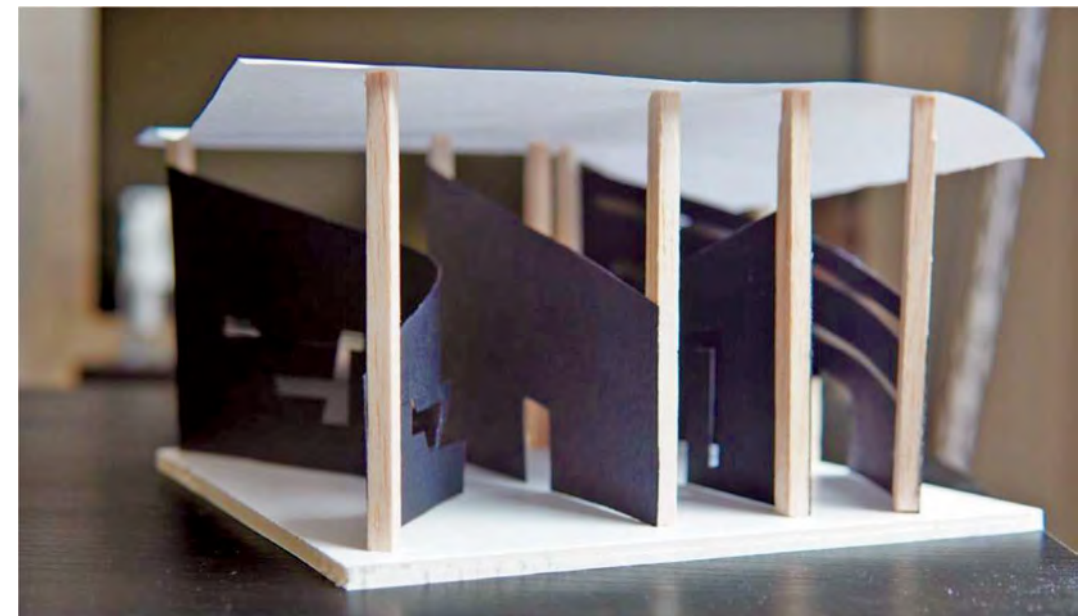
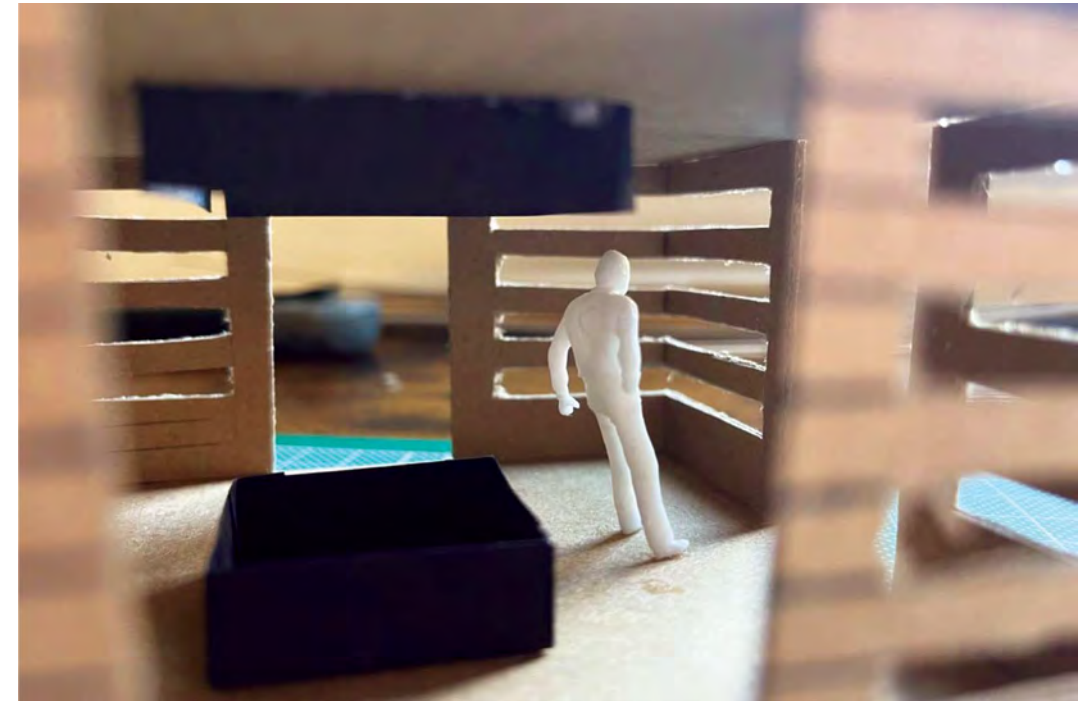


Yuhao Fei

Model Photos

*Planting and Harvest Community*

Physical Model

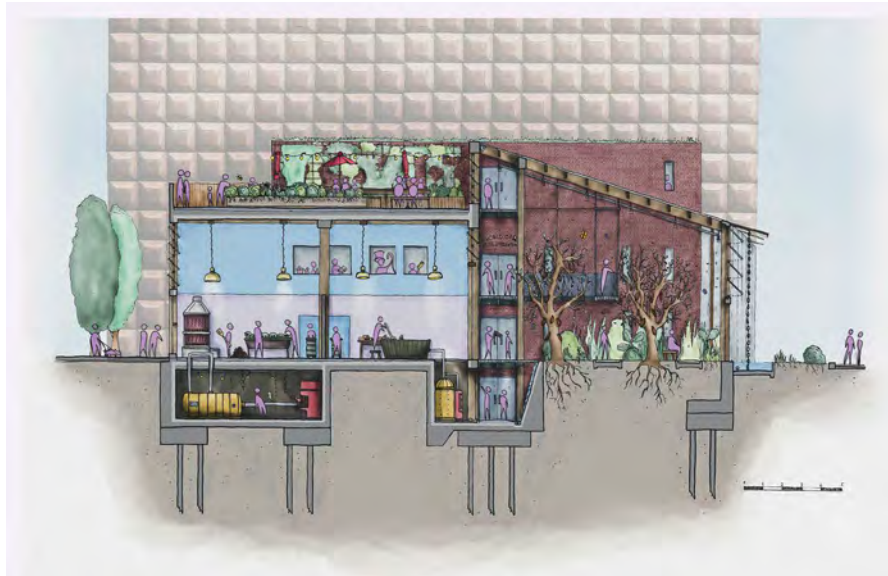




**Charlie Fletcher**

Section through the factory / Site Plan  
*Charlie and the Chocolate Factory*  
Mixed Media (hand drawn and edited in Photoshop)

Winner Sikorski Memorial Prize for best interior design  
Runner up Liverpool Architectural Society Student Awards 2022



**Alice Garner**

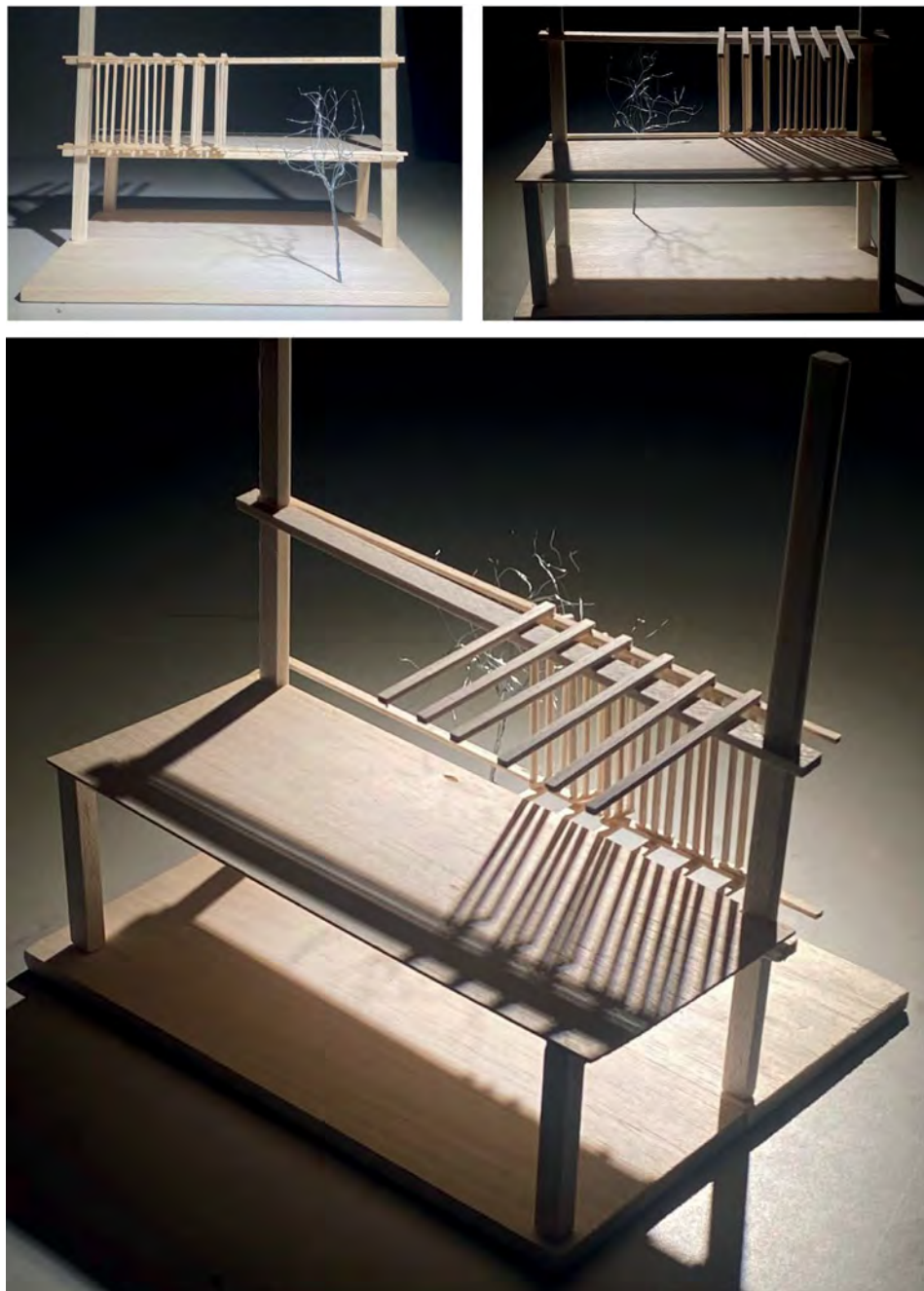
Perspective Section, showing production process and social spaces / Exterior View  
*9.5 Million Paper Cups*  
Collage

Winner BA3 Best Rendered Drawing





**Ziqian Guo**  
 Facade Experimentation  
*Hand-made Bags*  
 Physical Model



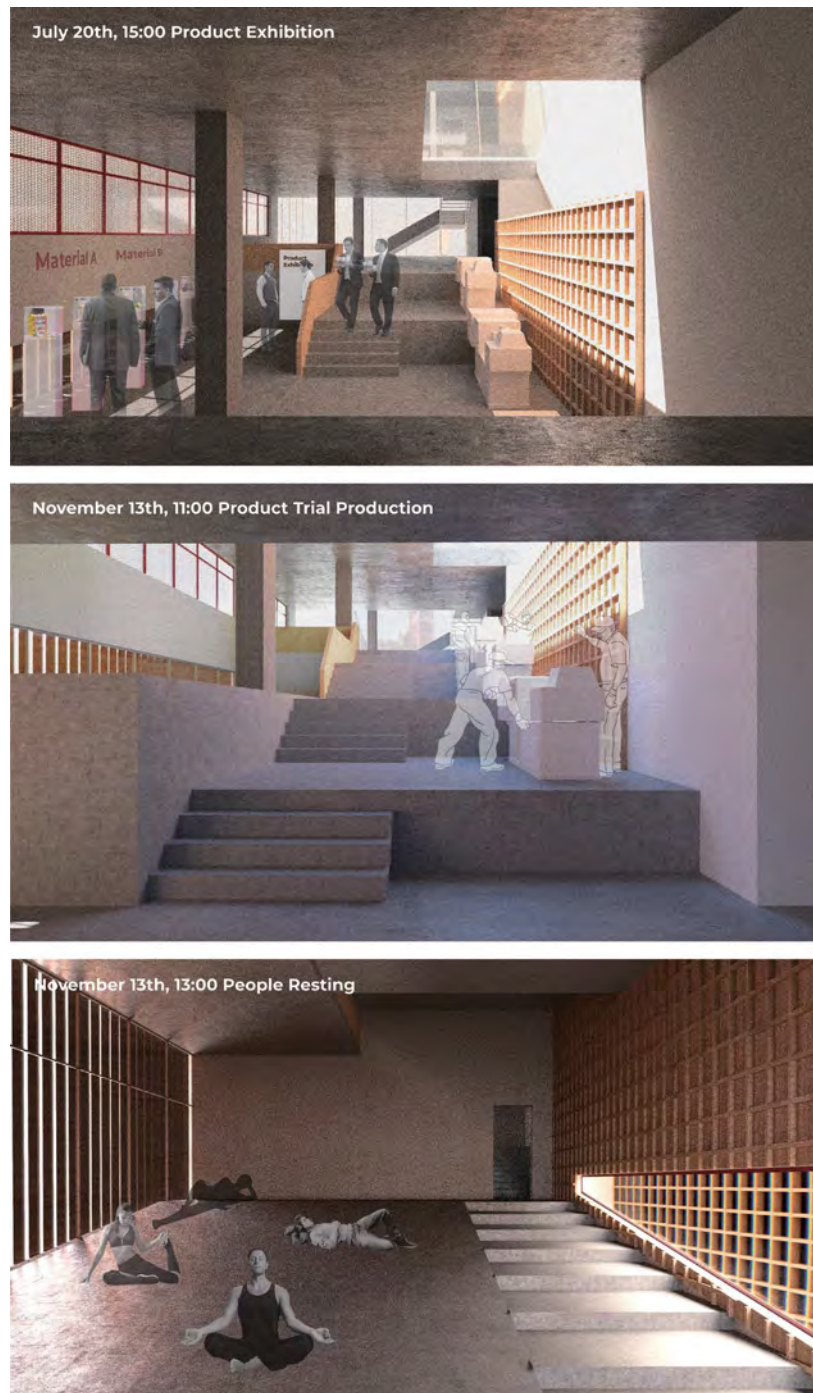
**Qianye Hu**  
 Aerial View in Context  
*Sito Studio*  
 CGI





**Yanjie Huang**

Isometric View – University Recyclable Plastic Research Center / Exhibition,  
Production, Meditation / Interior Activities  
*Recyclable Plastic Future*  
CGI



**Gwilym Humphreys**

Sectional illustration of student wellbeing centre, inspired by the seven chakras /  
Internal render of root chakra space.  
*Energetic Bodies: From the roots of the earth, to the crown in the sky.*  
Hand drawing / CGI





Lanhui Jiang

Perspective section / Concept poster

Contemporary Health Center

CGI

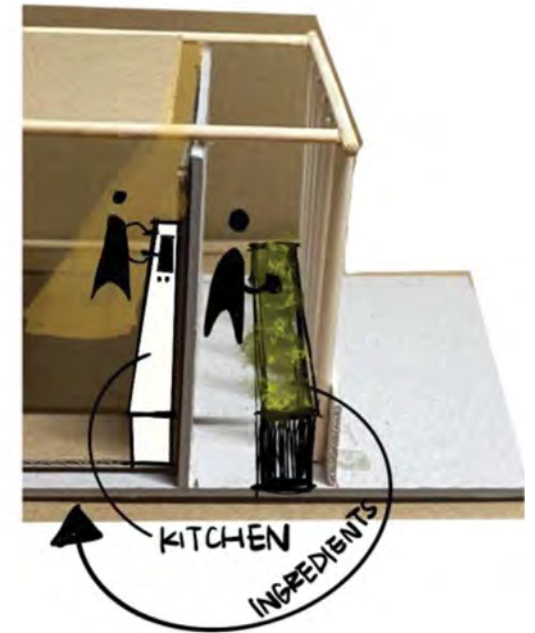
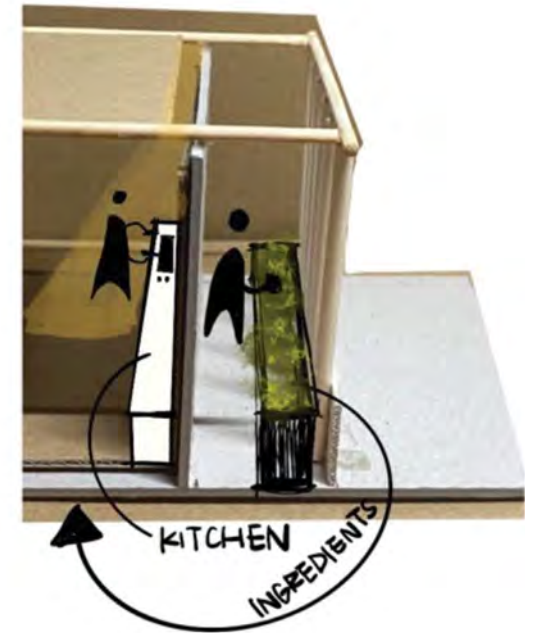


Yasi Li

Exploring an Architectural Moment

Back to Nature, A Healing Space

Physical Model





# Grace Limani

The catwalk show – Axonometric section / Intergenerational activities – Views into the space

EE fashion House / Connecting Generations

CGI



Winner David Inman Fund  
for environmental science  
performance

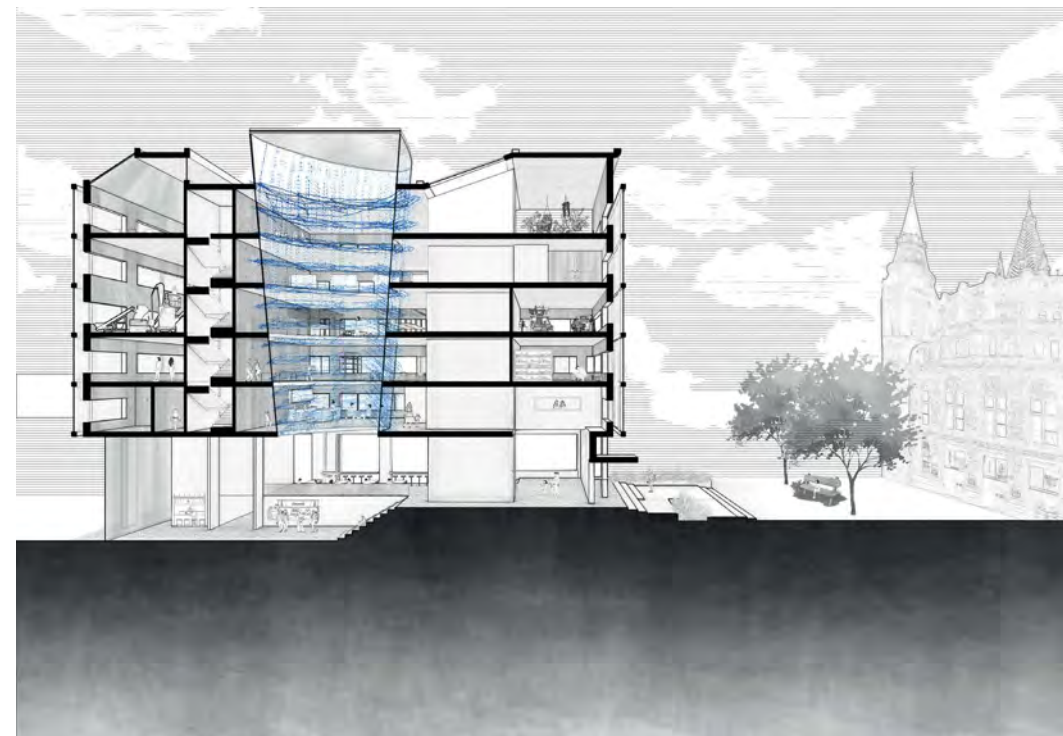


# Ruochen Lu

Long section perspective / Space renderings

Standing Textile / Woodland Kitchen

Photomontage





Veronica Martinez

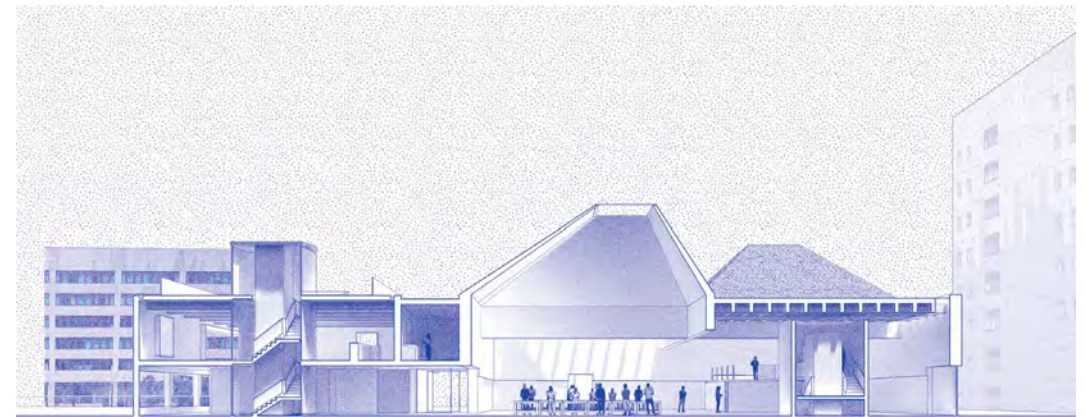
Sectional Perspective Atrium View with Mango leather sheets hanging to dry /  
Children's Space Exterior  
*Wearable Mango / Reconnecting with Nature*  
CGI



Huw Morris-Jones

Creating and Making – recycled coffee ink factory and screen printing studio /  
Section  
*Coffi Inc*  
CGI

*Winner Swedish Wood Student Architect Award*





**Alexander Murthy**

Exterior View / Perspective Section

*The Chain Hub*

CGI



**Minseok Park**

Exploring an architectural moment in context.

*Two Pitched Roofs*

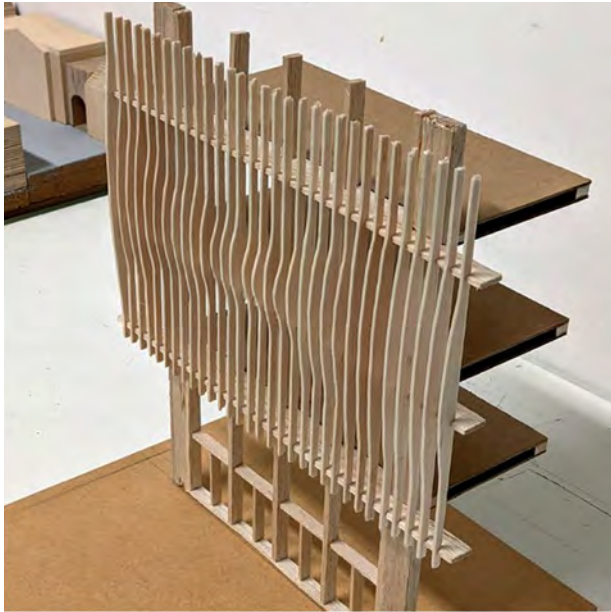
Physical Models





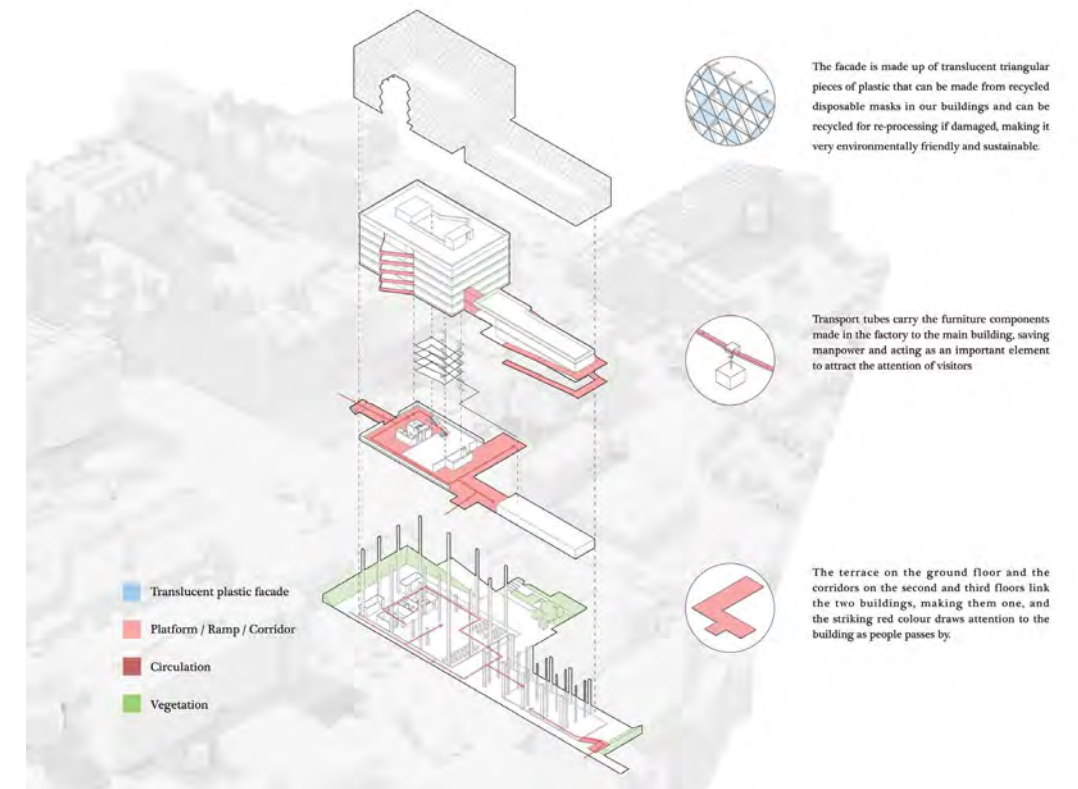
**Joshua Pemberton**

Facade Study  
*The Vinyl Cut*  
Balsa Wood Model



**Zhiye Shen**

Building from human perspective / Axonometric analysis  
*Art Factory – The Regeneration of the Masks*  
CGI





Kaja Strzemieska

Section of the manufactory of pillow / Render of the screening room with a mirror on the floor to reflect the sky at night  
*Into The Arms of Morpheus*  
 Hand drawing, Photomontage / CGI



Shiyu Wang

Smile zone – a space for people to gaining happiness in their campus commute route / Concept collage –the ideal of utilizing artificial lighting to improve people's emotions  
*Bright Corner Forever*  
 Mixed media / Photomontage





Yenny Weng Mei

Detail Section / South Elevation

GrandMaster

CGI



Wenxi Zhang

Proposal shown in context

*Experience – Teaching – Recycled Paper Products Workshop*

CGI





### *Making a Meal of it Group Project*

Students started the year by cooking and eating a meal together. Across different cultures, eating together acts as a tool for social cohesion. Our 1st project responded to this idea. Each group created a manifesto for their meal and a map or infographic to record the wider impact of their meal and a drawing to communicate something about the spatial or social experience of the meal event itself. This year all the meals were online.

CGI



*Studio CCS Design Process Models  
Exhibited in End of Year Show*



## Studio Pen and Inc

Sandy Britton (lead)  
Sarah Green  
Tony Lees  
Giles Wheeldon  
Dr Stuart Gee

*Collaborators*  
Dr Fei Chen  
Urban Form and Social  
Space research group  
*Architectural Emporium*  
*Knowsley Metropolitan  
Borough Council*

*Consultants*  
Simon Cadle *Turner  
Works*  
Trevor Skempton  
Dr Hanmei Chen

*Guest Critics*  
Ardi Rexhepi  
Ford Rexhepi  
Rachel James  
*FCBStudios*  
Sian Atherton *Harrison*  
*Stringfellow Architects*  
Luke Cooper  
*Architectural Emporium*  
Simon Cadle  
*Turner Works*  
Dave King *shedkm*  
Rowena Creagh  
*LSA PHD*

*Studio reps*  
Harvey Munro  
Xhesika Bicaku

Good luck Studio Pen  
and Inc class of 2022.  
Its been a pleasure X

In 2021/22 our *Liveable cities and Fragile Futures agenda* focused on Huyton's signature Derby Road high street and its sustainable post pandemic recovery.

Projects explored tactility and haptic experience, interaction and conviviality after a world of isolation and bodily restriction.

We worked in collaboration with: Architectural Emporium, a Liverpool based chartered practice, Dr Fei Chen of research group Urban Form and Social Space and Knowsley Metropolitan Borough Council to identify and debate the post-pandemic challenges faced by Huyton.

Across the year, we undertook two consecutive design sessions. In semester 1, students envisioned a micro-plan and a meanwhile proposal for the Signature High Street. Projects activated and celebrated providing either: a temporary, reusable solution to a current challenge, an activator to test a specific need or a generator for a specific activity.

The event of Knowsley Borough of Culture was an opportunity for a playful response or a more touristic / playful / audience.

Students noted the need to engage with the train station and the church to 'top' and 'tail' the masterplan and complete the Signature High Street.

In semester 2, reflecting on this – students created a community hub with council interface on one of three high street sites. Sherbourne Square a Community Housing based hub, Mayfair Cinema site an Arts and Culture focused hub or William Hill site a Health and Well-being based hub all reusing and renewing existing empty and formerly significant high street heritage.

Students carried out measured surveys and created manifestos embedding stakeholder aspirations for proposals that contribute to the economically and socially sustainable high street for changing world.

Fragile futures, liveability and post pandemic economic recovery remained core. The macro of the bigger picture and celebrating the micro in the tiny observation.

Exhibition: *Ideas for Huyton* 22-29 June Derby Road Huyton Village

Event: *Ideas for Huyton* Public launch 22 June. Common.

Digital: *Community Heritage Survey* in collaboration with Huyton Council

Event: *Council Consultation*: December 21

*Thank you to:*

Mark Bingley, James Duncan, Phil Aspinall, Jan Moore (KMBC), Luke Cooper (AE) DK Architects, Avison Young, Holly Knight Parfitt, Molly Fitzpatrick, Conor Foster

*Exhibition and Degree Show team*

Patrick Allan, Samantha Evans, Xhesika Bicaku, Amira Al Najjar, Nihaad Choudhury, Leontina Frunza, Harvey Munro, Donny Dailyda, Yuan Zhnag, Qifeng Hou, Guyu Bao, Molly Fitzpatrick, Charlotte Bailey, Emma Smith

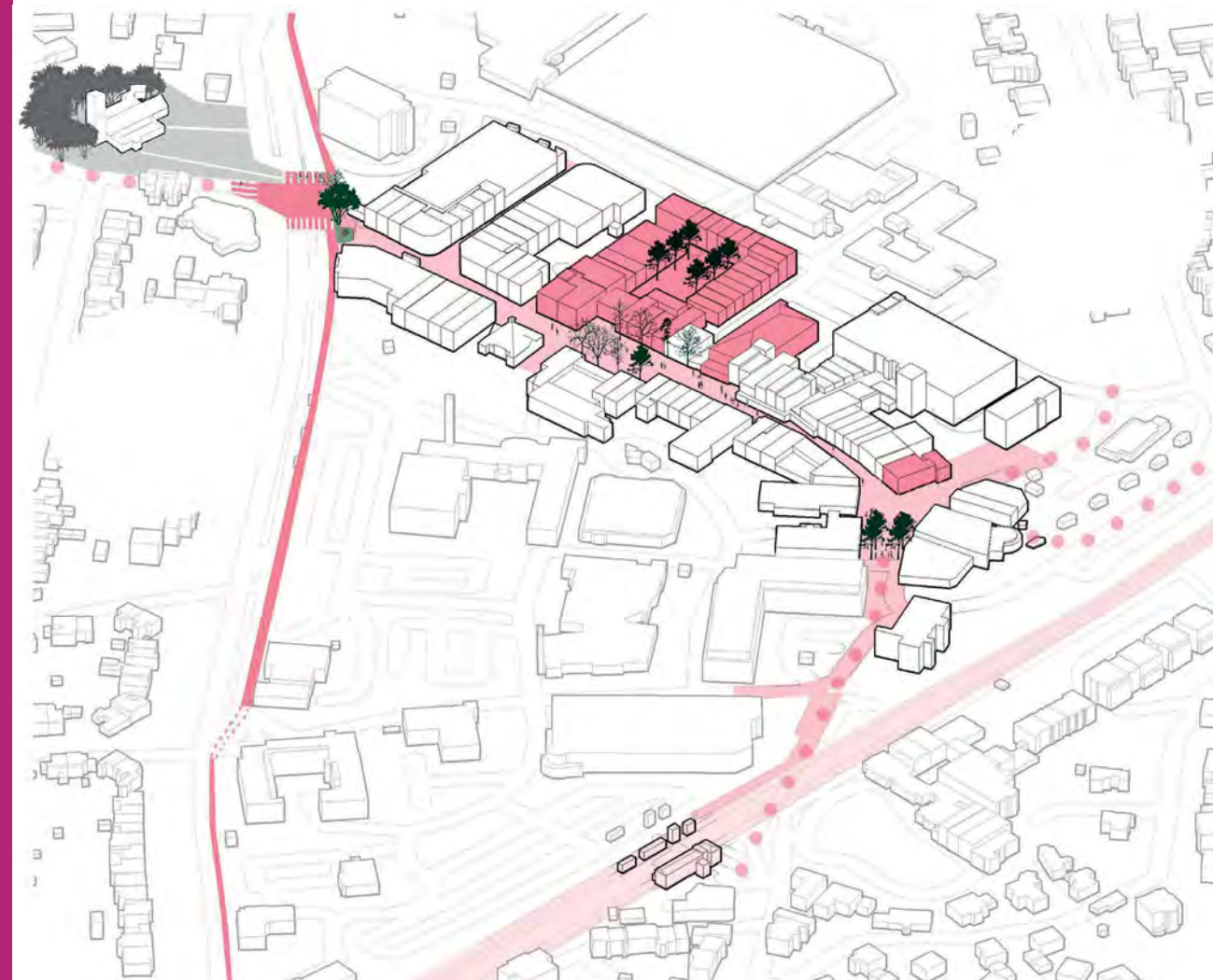
## Students

Patrick Allan  
Amira Al-Najjar  
Charlotte S. Bailey  
Amer Balan  
Guyu Bao  
Charlotte Bebb  
Xhesika Bicaku  
Jiayi Chen

Nihaad Choudhury  
Donatas Dailyda  
Angela Duka  
Duyowalumi  
Egwudale  
Samantha Evans  
Amna Farooq  
Leontina Frunza

Qifeng Hou  
Zoe Huang  
Malak Ismail  
Sunil Kim  
Bettuel Mehdi  
Harvey W. Munro  
Somviset Phoeuk  
Emma Smith

Yifan Su  
Yiqun Tang  
Bo Wang  
Alexander Wignall  
Jingbo Zhang  
Jingshu Zhang  
Yuan Zhao



*Huyton village signature High street*

*Station to church*

*Semester 2 three sites in pink*

*Samantha Evans*



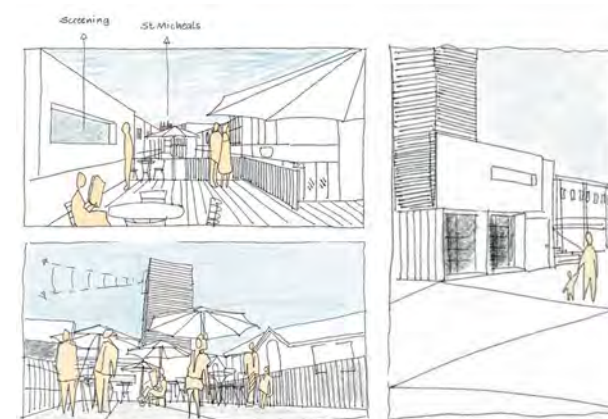
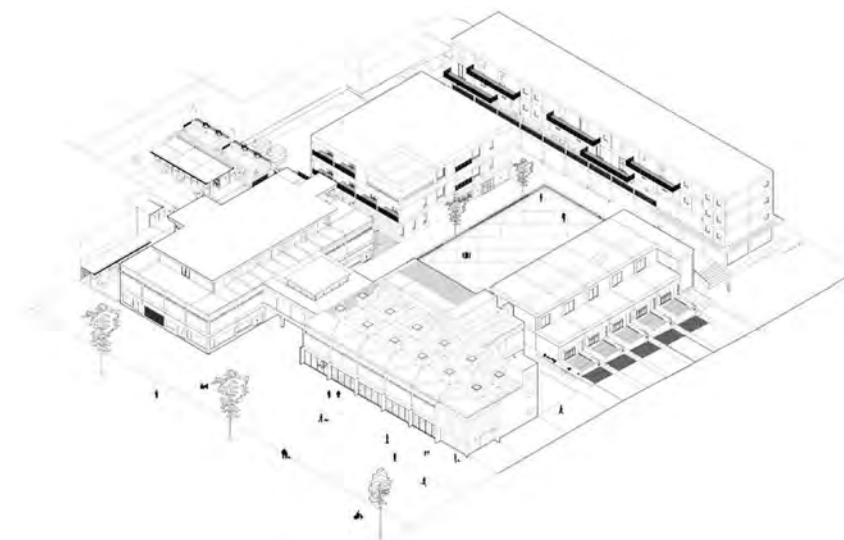
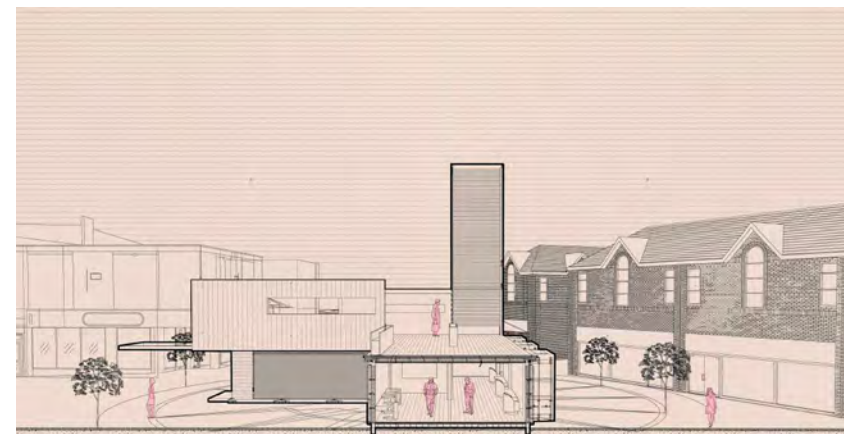
**Emma Smith**

Stepping into the Square / First Floor Plan  
 Huyton ReGeneration Sherbourne Square  
 Mixed media



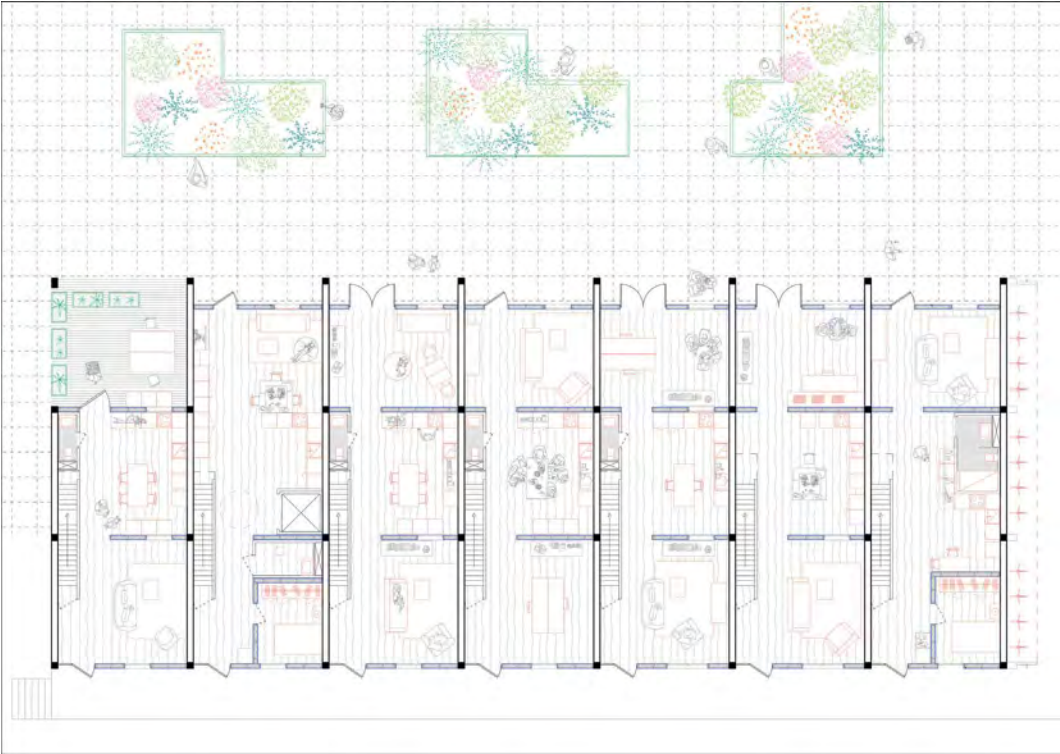
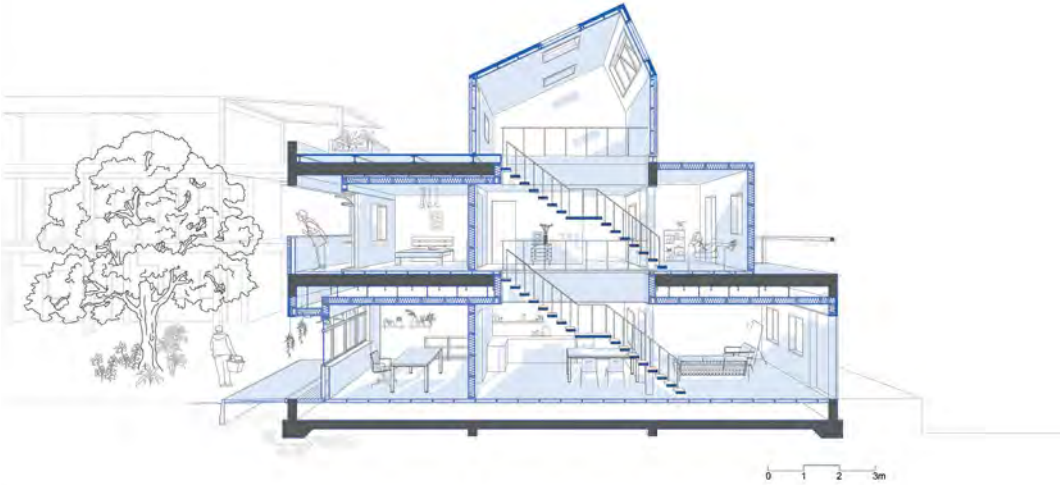
**Amer Balan**

Sectional Perspective / Axonometric / Proposal sketches  
 Sherbourne Life in Stage / Turn Back on Time Meanwhile  
 CGI

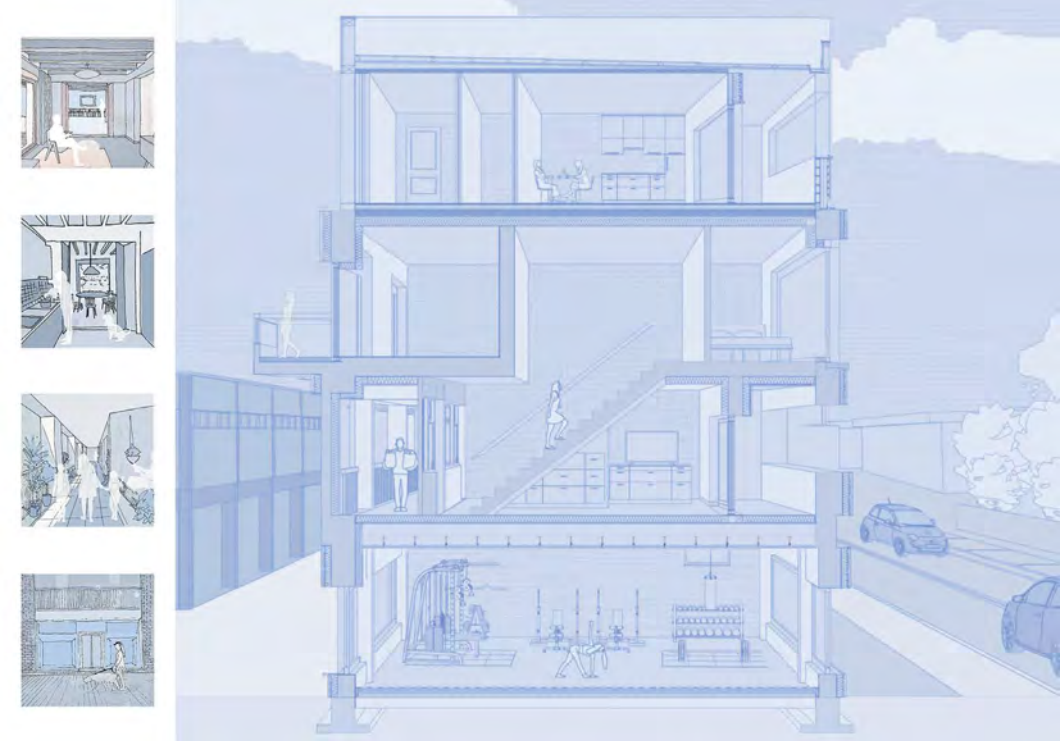
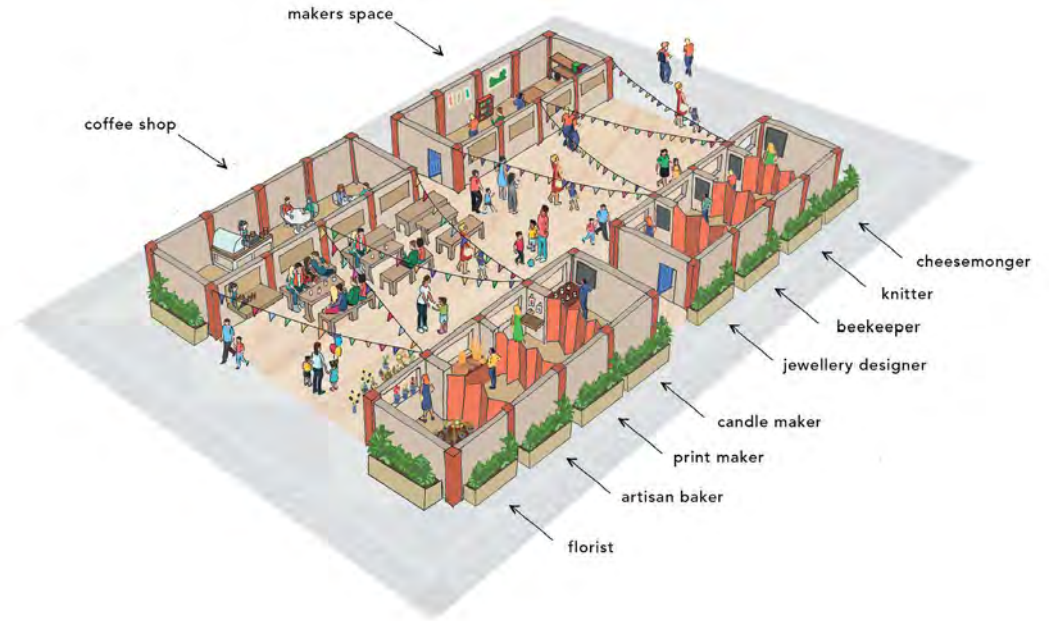




**Guyu Bao**  
Perspective Section / Micro Plan  
*New Sherbourne: To Regain Vitality*  
CGI



**Alexander Wignall**  
Axonometric of independent market / Sectional perspective of accommodation  
*Huyton Shares / Huyton Hospitality Sherbourne Square*  
Hand Drawing / Procreate / CGI





**Samantha Evans**

Visual Perspective / Brief

*The Healthy Building – An oasis along the high street*

CGI

*Winner Emma Holt Travel Scholarship for academic achievement*

*Runner up Liverpool Architectural Society Student Awards 2022*

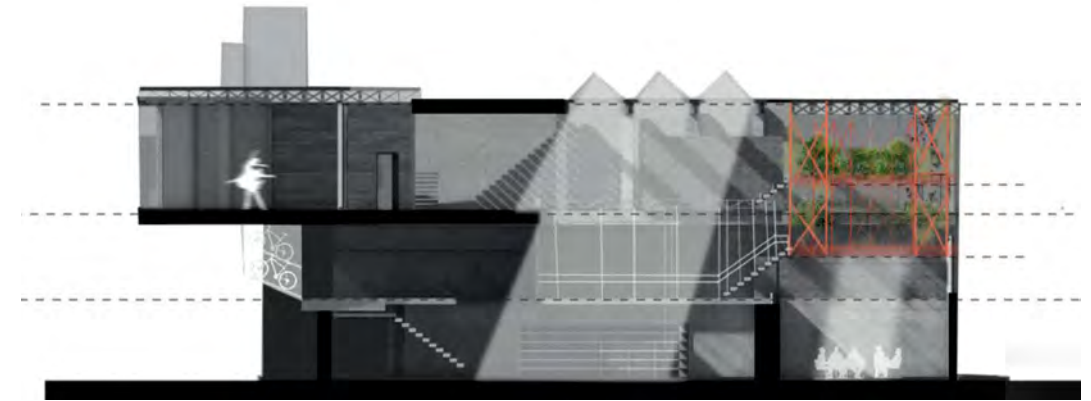


**Nihaad A. Choudhury**

Section / Render / Elevation

*Huyton Health / Huyton Village*

CGI





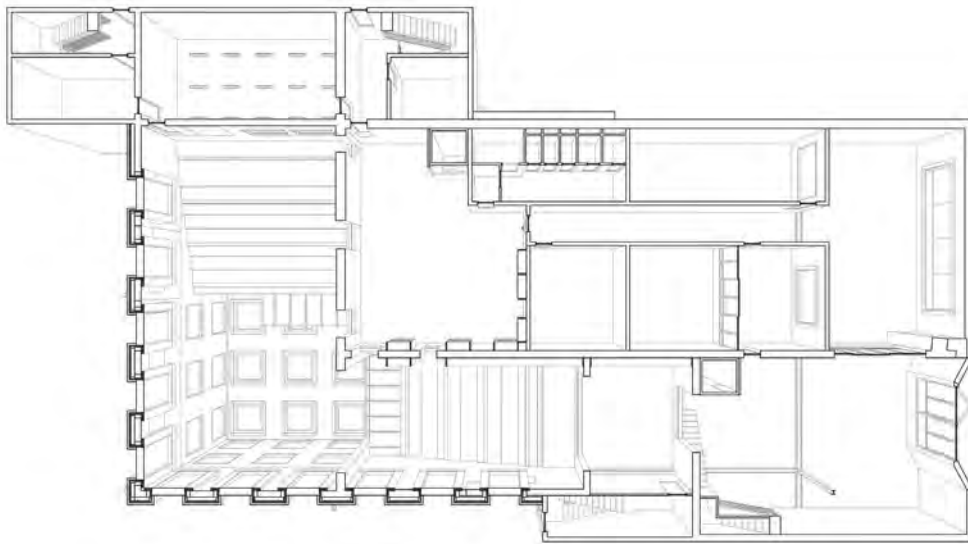
**Patrick Allan**

Skylight Void and 360 Tour / Use of Vertical Space

Mayfair Multi-Centre

CGI

Winner Sikorski Memorial Prize for best interior design



<https://youtu.be/3-QNPdz1Cc8>

**Xhesika Bicaku**

Axonometric of proposal / Perspective Section of Mayfair Regeneration of Mayfair

CGI





**Yuan Zhao**

Wooden castle – First floor plan / Section  
Reborn castle Sherbourne Square  
Mixed media



**Zoe Huang**

Day and Night Pop up Performance / Garden Render  
Sherbourne Square / House of Artistry Mayfair  
CGI



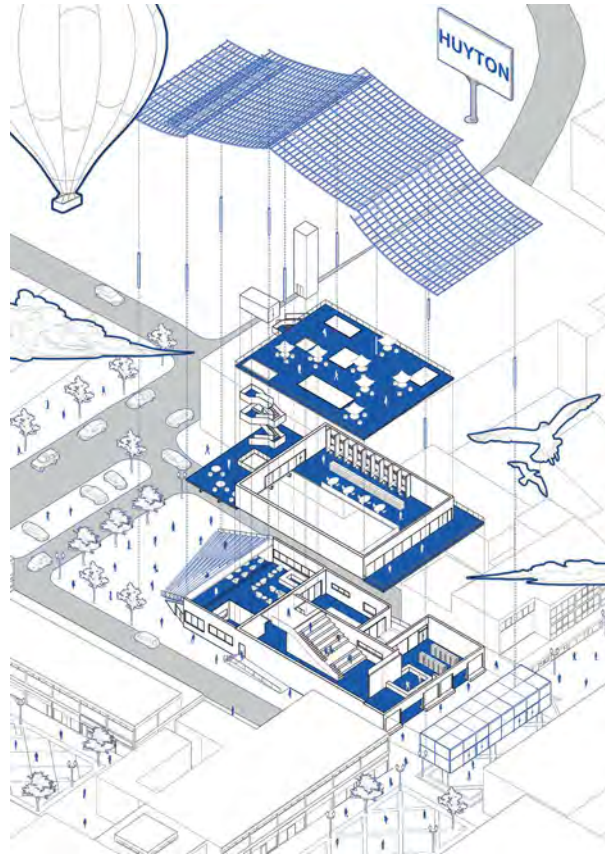
*Runner up Swedish  
Wood Student  
Architect Award*





**Bo Wang**

Mayfair Axonometric Explosion  
/ Sectional Perspective  
*Huyton, you alright?*  
CGI



**Jiayi Chen**

Balcony Interior / Floor Plans and Dog's View  
*Mayfair Cultural Hub*  
CGI





**Yiqun Tang**

Lively Sail day/night render  
Compass Meanwhile proposal  
Model



**Jingshu Zhang**

Render / Perspective section  
Riotous Corner Sherbourne Square / Inheritance and continuation Mayfair  
Mixed Media

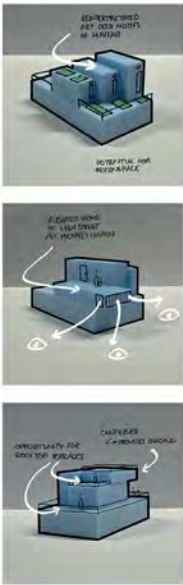
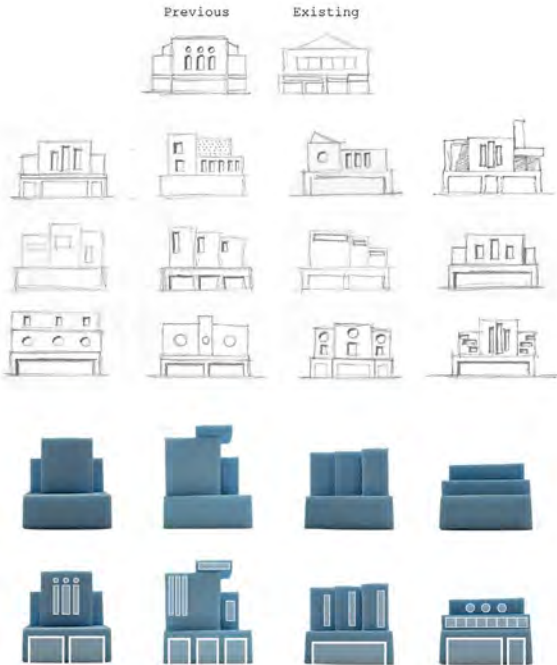




Charlotte Bailey  
Photomontage of first impressions of site / Visual of Community Hub  
*Journey to Mayfair*  
Mixed Media



Harvey Munro  
Proposal Axonometric / Experimental Massing & Sketching *The New Mayfair Centre*  
CGI



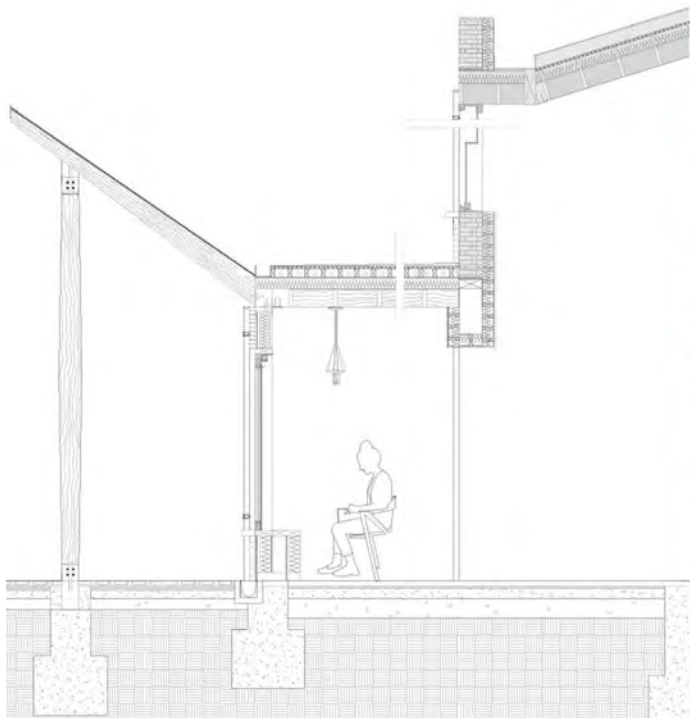


**Amna Farooq**

Old & New – Merging of materials / Detail Elevation

*Rejuvenation of Mayfair*

CGI



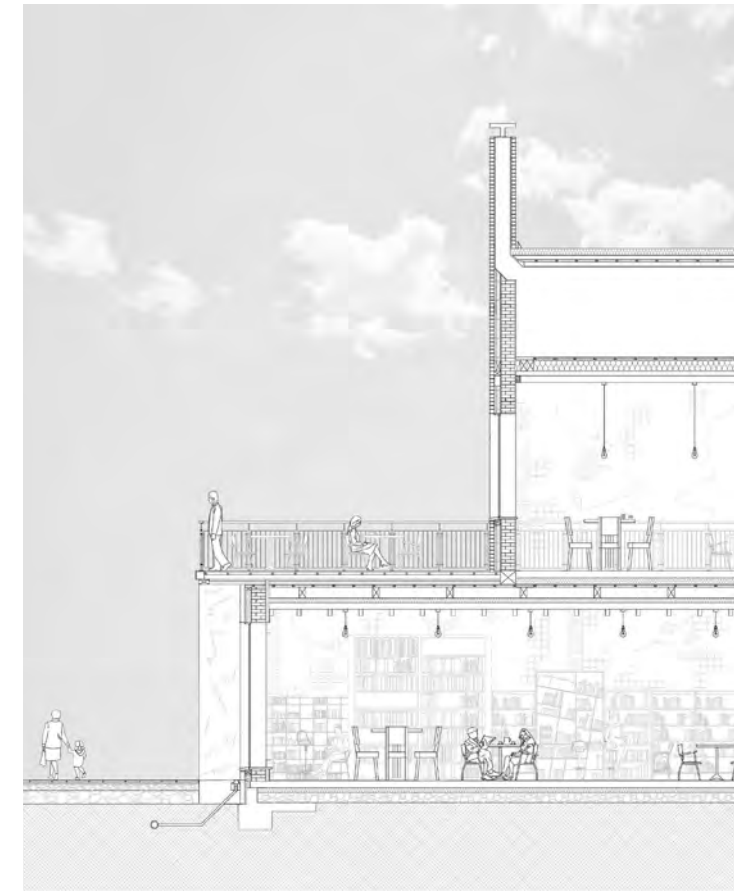
**Amira Al-Najjar**

The Archives – A wooden assemblage with non-specific design allowing for flexibility and adaptability in the long-run, accepting the notion of unpredictability within the 'high street' / Mayfair Cinema Regeneration – Structural strategy

*Liveable cities and Fragile Futures / Arts and culture based hub*

CGI

*Nomination Norman Foster Foundation Travelling Scholarship  
Runner up Swedish Wood Student Architect Award*





**Charlotte Bebb**

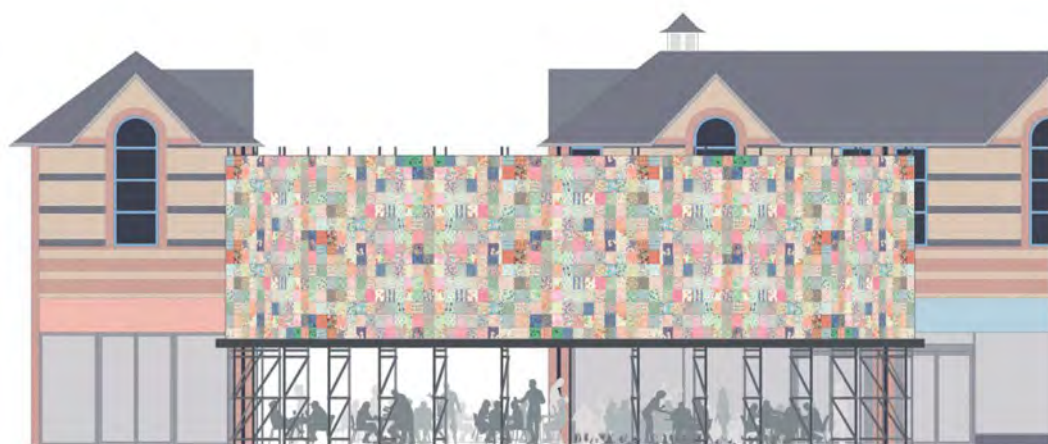
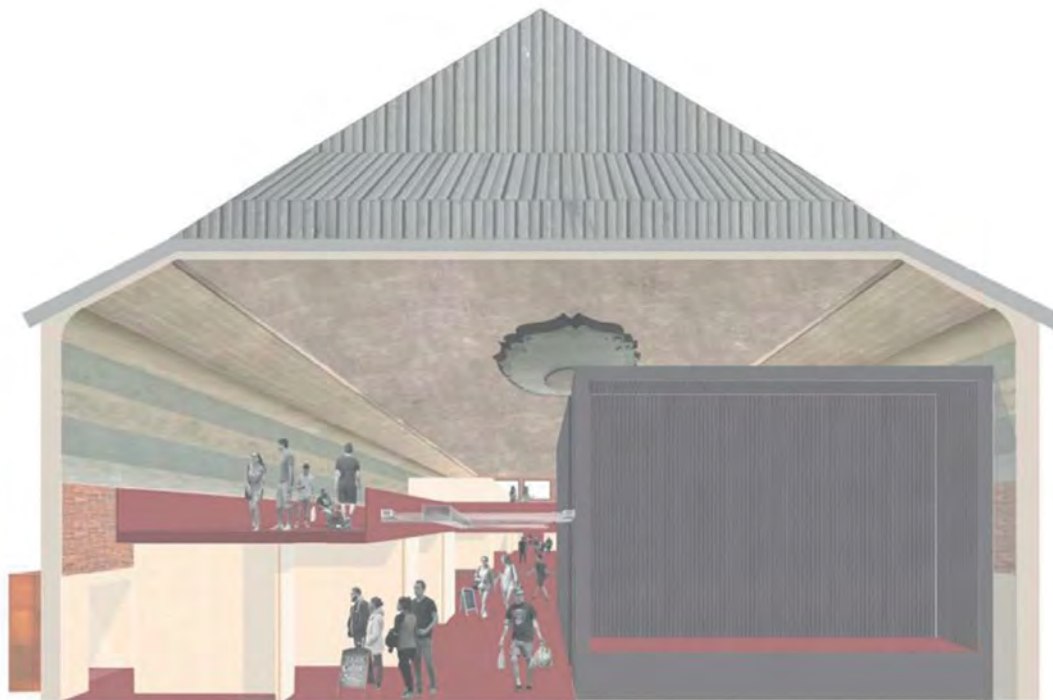
Section / Elevation

*New and old The Palimpsest of Mayfair / Wearing our Identity The Compass*

CGI

Winner John Rankin Awards for best sketch designs

Runner up Liverpool Architectural Society Student Awards 2022

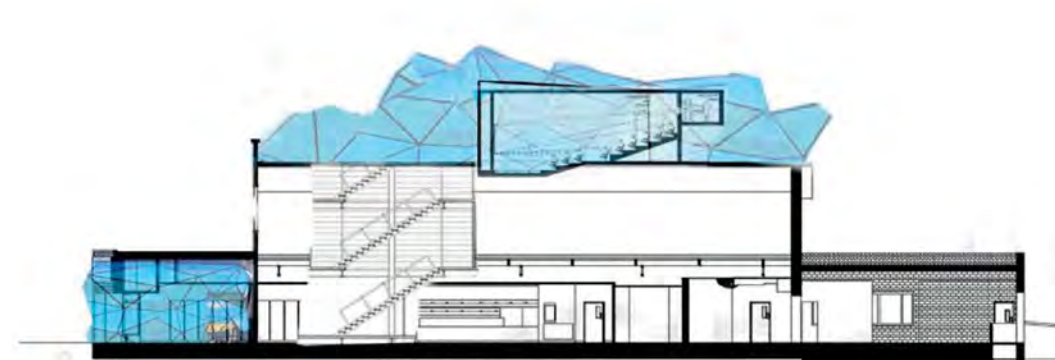


**Leontina Frunza**

Long section of Mayfair cinema regeneration / Concept Section

*Mayfair Focus*

CGI



**Sunil Kim**

Eye level perspective / Sectional perspective

Zero Pavilion / Self sufficient village showcase for Fragile future

CGI

Winner RIBA Project Management Poster Award Prize

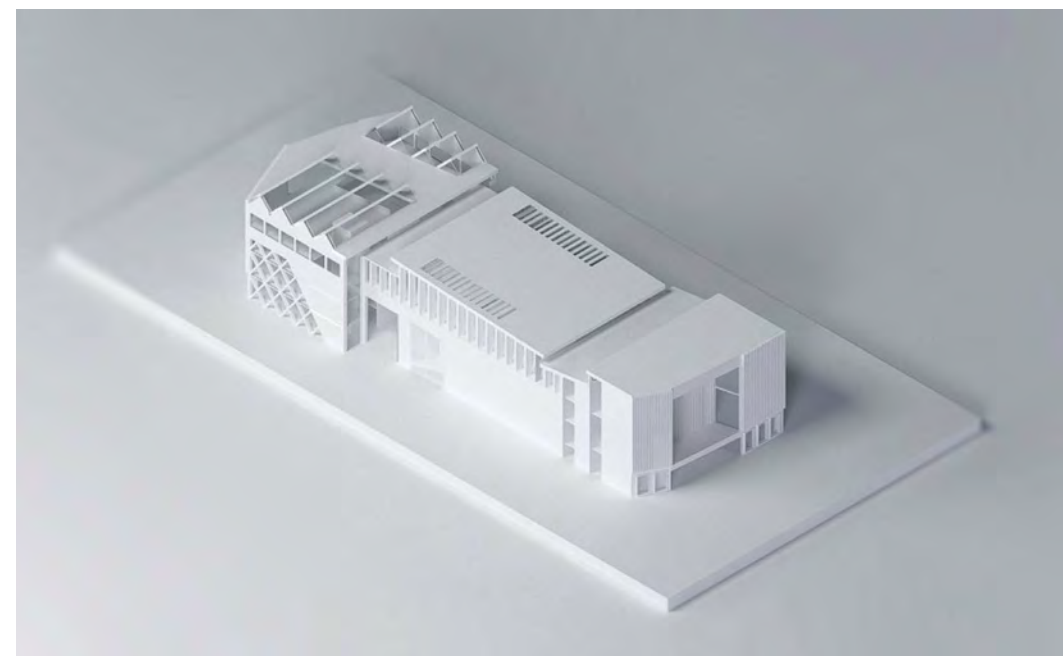


**Jingbo Zhang**

Sectional Perspective / Model

Mayfair community

CGI / Model





**Donatas Dailyda**

Exterior

Mayfair

CGI



**Angela Duka**

Perspective Concept / External Render

High Street Escape / Huytons New Mayfair

CGI





**Malak M. Ismail**  
Elevation / Visual Brief  
*Light in the tunnel*  
CGI



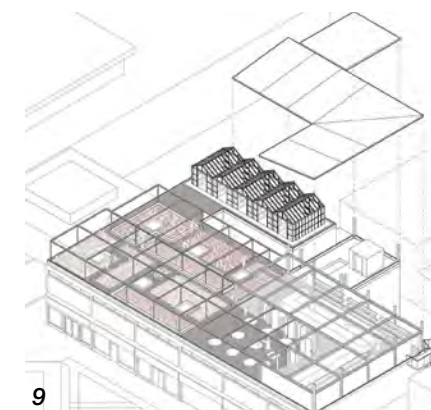
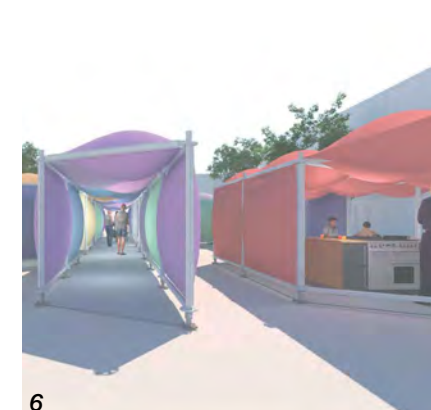
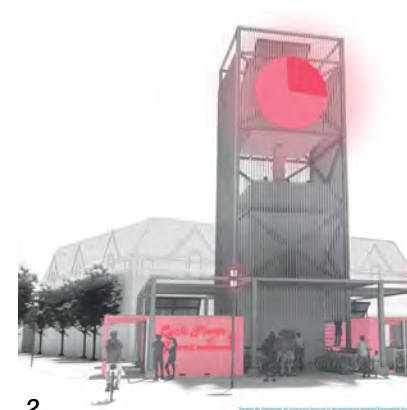
**Bettuel Mehdi**  
Elevation / Render  
*Weekend at Mayfair*  
CGI





# Qifeng Hou

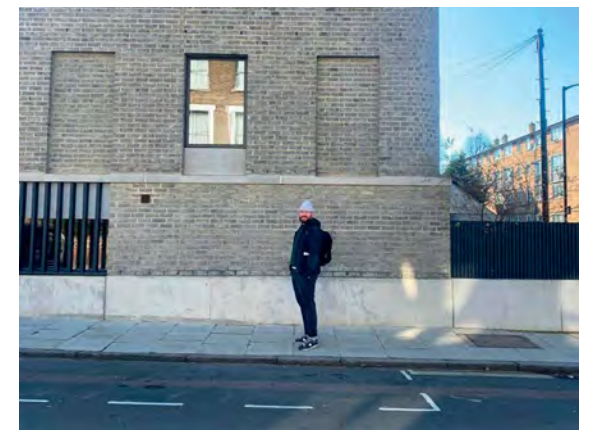
A political approach to help towns rise / A cultural centre and council hub to help Huyton Village high street regenerate  
Huyton Commune  
CGI



A number of semester one meanwhile activators

- 1 Heritage Survey @huytonvillagecentre Background Charlotte Bebb Wearing Our identity
- 2 Cycle Power Tower Samantha Evans
- 3 Shared 1:500 site model
- 4 Huyton Shares Alex Wignall
- 5 Sketch microplan Amira Al-Najjar
- 6 Huyton Community Centre Harvey Munro
- 7 Riotous Corner Jingshu Zhang
- 8 Peoples Pods Charlotte Bailey
- 9 Growing on the Roof Guyu Bao







The work of Studio Pen and Inc from Liverpool School of Architecture explores the balances to be found between social, sustainable and economic demands to create vibrant, happy and healthy places to live and love.

Students individually envisioned small proposals for the Signature High Street, each intended to activate and celebrate the environment in different ways. They collaborated with Knowsley Metropolitan Borough Council, Dr Fei Chen (UoL research group Urban Form and Social Space) and Architectural Emporium to vision their Ideas for Huyton Village High Street.

A thriving High Street is the commercial and social backbone of a town. A destination in itself, it is a place for meeting and exchange, strengthened by its historical characteristics that showcase the community identity. When a High Street struggles, so does its community. During the pandemic, many towns and cities suffered. One of the most affected areas was the high street due to social distancing measures and the increased use of online shopping.

## Project 1

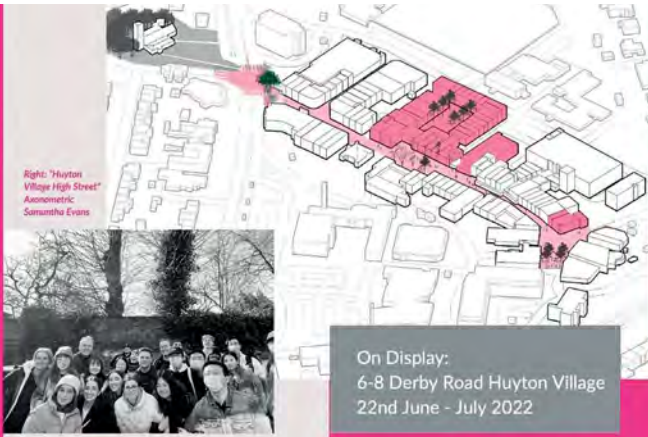
Projects activated and celebrated the high street by providing either:

- A temporary, reusable solution to a current challenge.
- An activator to test a specific need of the high street.
- A generator for a specific activity.

## Project 2

Students created a community hub with a council interface on one of three high street sites:

Site A - Sherbourne Square, a Community Housing based hub; Site B - Mayfair Cinema, an Arts and Culture-focused hub; Site C - William Hill, a Health and Well-being based hub



### Students

Patrick Allan, Amira Al-Najjar, Charlotte Bailey, Amer Balan, Guyu Bao, Charlotte Bebb, Xhesika Bicaku, Monica Chen, Nihad Choudhury, Donny Daillyda, Angela Duka, Duyu Egwudale, Sam Evans, Anna Farooq, Leontina Frunza, Qifeng Hou, Zoe Huang, Malak Ismail, Sunil Kim, Bettuel Mehd, Harvey Munro, Som Phoeuk, Emma Smith, Yifan Su, Yiqun Tang, Bo Wang, Alex Wignall, Jingbo Zhang, Yuan Zhao

Exhibitions and launch event curated and created by: Xhesika Bicaku, Patrick Allan, Amira Al-Najjar, Sam Evans, Nihad Choudhury, Guyu Bao, Qifeng Hou, Yuan Zhao, Leontina Frunza, Emma Smith, Harvey Munro, Donny Daillydas, Molly Fitzpatrick, Holly Knight Parfitt and Connor Foster.

### Tutors

Sandy Britton, Sarah Green, Tony Lees, Giles Whitedon, Stuart Gell

### Special Thanks

Dr Fei Chen, Architectural Emporium, Knowsley Metropolitan Borough Council, Trevor Skemwell, Dr Hamed Chen, Arabi Rashid, Rachel James, Sam Alkhatib, Luke Cragg, Simon Cullen, Gary King, Rebecca Cragg, Andrew Young, DR Architects, Holly Knight Parfitt, Molly Fitzpatrick.

## Ideas for Huyton

By Young Architects in the Making

An exhibition of Huyton Village High Street  
Renewal activations and regenerations





## Practice North

Richard Dod (Lead)  
Jane Moscardini  
James Jones  
Anthony Mackay

*Special Guest*  
Roger Stephenson OBE

*Guest Critics*  
Dan Wiltshire  
Lee Bennett  
Valentino Capello  
Yu Zhan  
Mike Cruise  
Jasmin Eastwood  
Dr Marco Iuliano  
Nina Edge

*Special Thanks*  
Mike Hutchison  
Jaimie Ferguson  
Stuart Gee  
Father Stavros Kasinos  
Daniel Draper

Practice North focuses on the history and under exploited potential of Liverpool. This year we explored themes of place-making and community in nearby Toxteth, L8. Our Semester 1 and 2 sites are located adjacent to each other and form the boundary of a neglected city block. St Nicholas Greek Orthodox church forms the centrepiece of this urban triangle. It has narrowly survived second world war bombing and the Toxteth riots, unlike the neighbouring urban fabric which – in addition to destruction from these events – exhibits signs of decades of underinvestment. Our sites are two vacant lots on the perimeter of this area.

The first studio project was to design a community art gallery and studios as a means of urban regeneration and in recognition of the emergence of Toxteth as a place where art and community are valued. We visited Granby Winter Garden by Assemble and toured the Welsh Streets area that was saved from redevelopment by local activism and design diplomacy. Studio members were encouraged to consider how their design might respond to local conditions and, following an urban design workshop, provide a vision for the wider public realm. The second project was to design a Youth Zone. The project brief required a range of accommodation and facilities but also offered the scope for reinterpretation through individual research and analysis.

## Students

Karolina Adamiec  
Hamad Alnaqbi  
Imogen Campbell  
Kai Green  
Aaron Griffin-Keogh  
Will Jackson  
Arina Kulinich  
Piyush Kumar  
Zak Kurtulus  
Alessandra  
Lanzoni-Rivers  
Zonda Lau

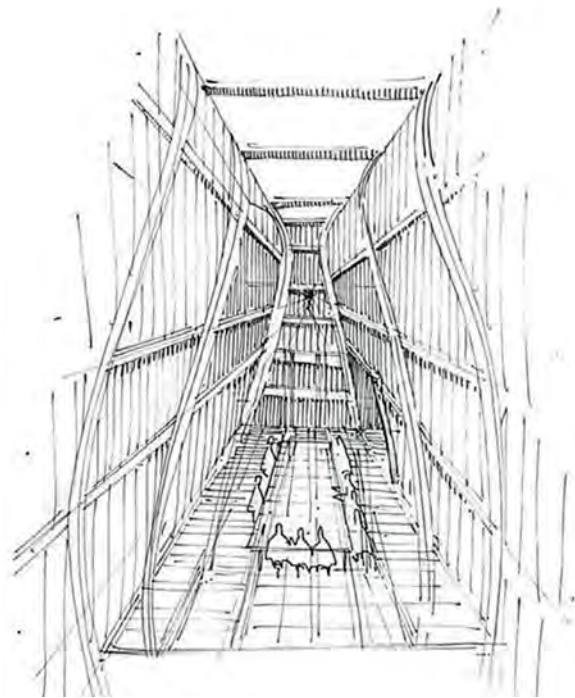
Danny Lay  
Johnathan Li  
Amelia Maddocks  
Bethany Mallard  
Louis Marchini  
Aishlin McGowan  
Lyra McKinnon  
Hannah Meheran  
Mina Mufid  
Thomas O'Loughlin  
Henry Omotosho  
Owen Riseley

Zivoin Ristic  
Eleanor Robinson  
Sarah Seichter  
Thomas Simpson  
Clarence Tang  
Grace Webb  
Jingyi Wu  
Zhiqing Zeng



*Climbing wall: Informal (above)  
and Formal (below) use*  
Karolina Adamiec





**Karolina Adamiec**

Upper Stanhope Street View / Perspective Section

*Confluence of Communities*

Mixed Media / Photomontage

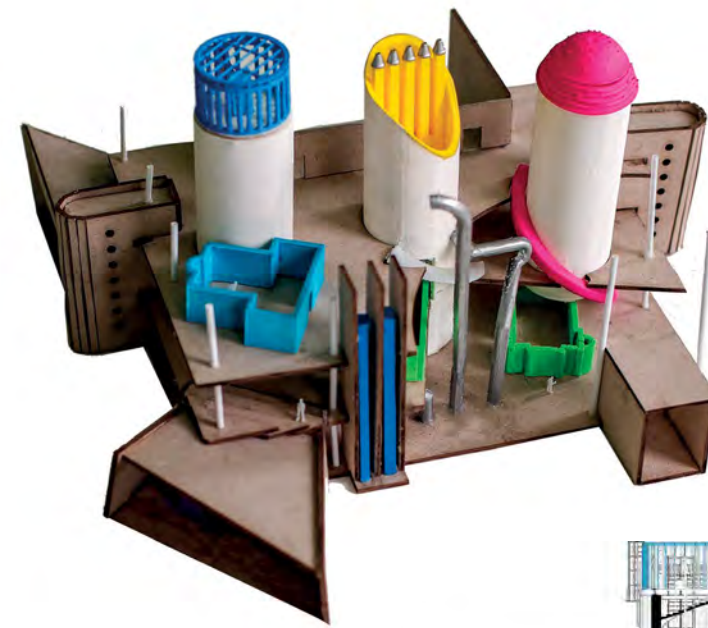
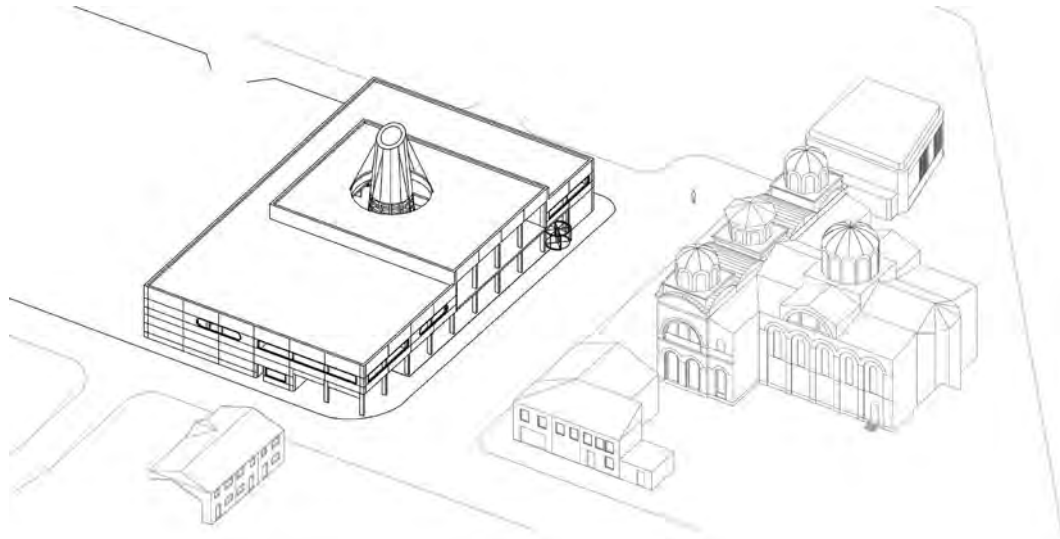
*Winner of Best BA3 Model*

*Runner up School of the Arts Academic Achievement Award*

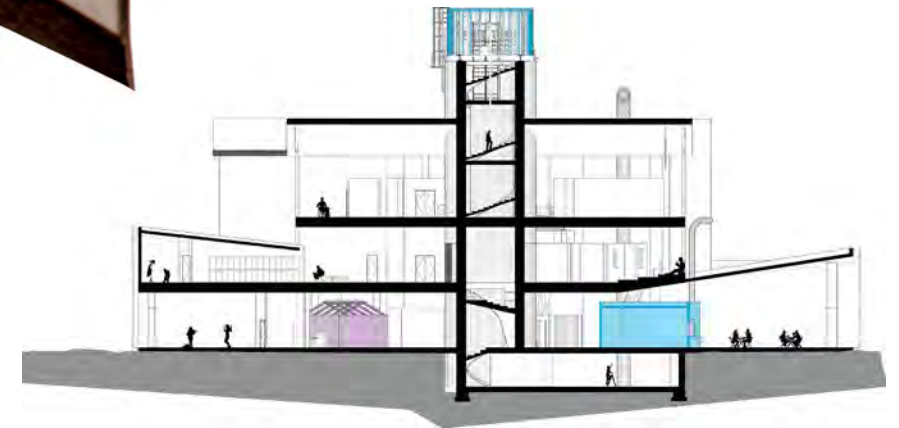
*Winner Emma Holt Travel Scholarship for academic achievement*



**Imogen Campbell**  
 Section / Chimney  
*The Factory*  
 Photomontage / Mixed Media



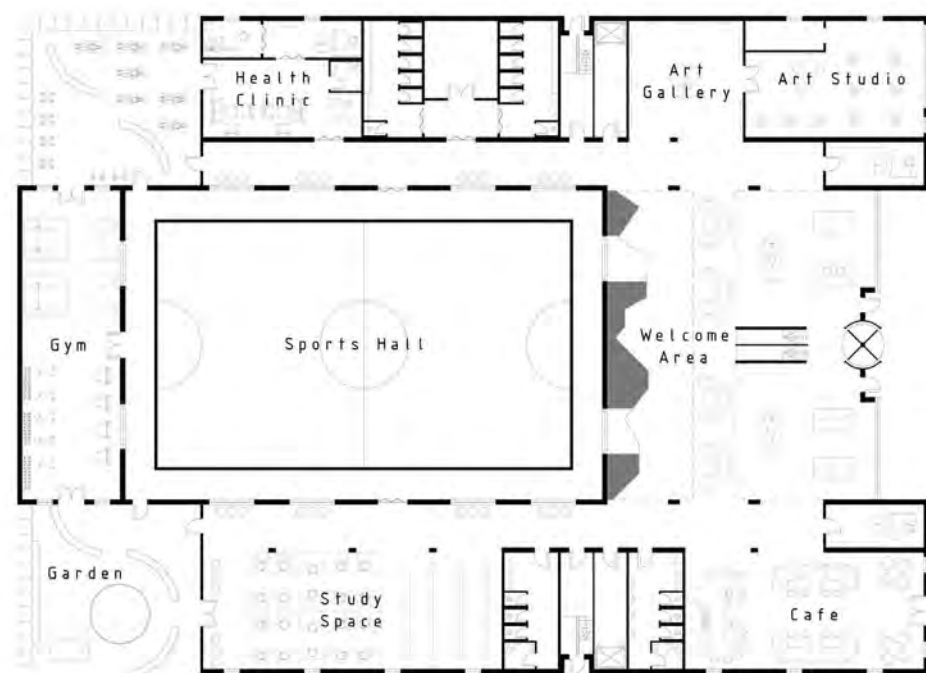
**Hamad Alnaqbi**  
 Physical Model / Section /  
 Elevation  
*The Youth Palace*  
 CGI





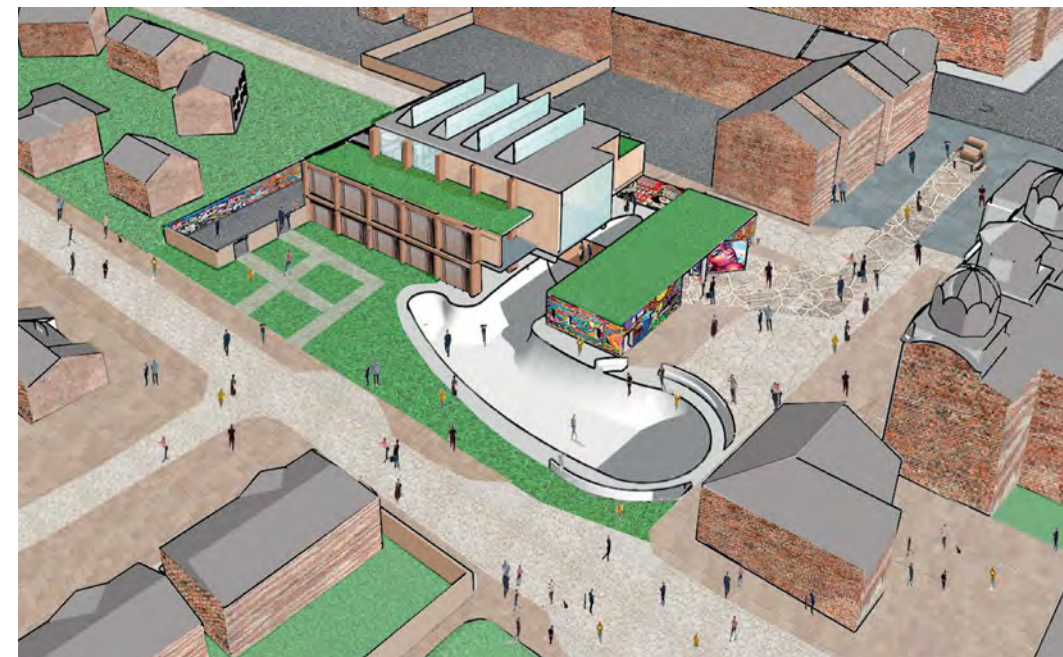
**Kai Green**

Interior Render – View of Atrium & Café Area / Ground Floor Plan  
*Berkley Street Revival*  
Photomontage



**Aaron Griffin-Keogh**

Beyond the Bounds of Anti-social Behaviour / Café Looking Through  
*BTB Youth Centre*  
CGI





**Ale Lanzoni-Rivers**

External View / Internal Visual

*L8 Youth Sanctuary*

Mixed Media, Photoshop



**Zak Kurtulus**

External View / Entrance, Sports Hall and Youth Zone Interiors

*Toxteth Tetrads*

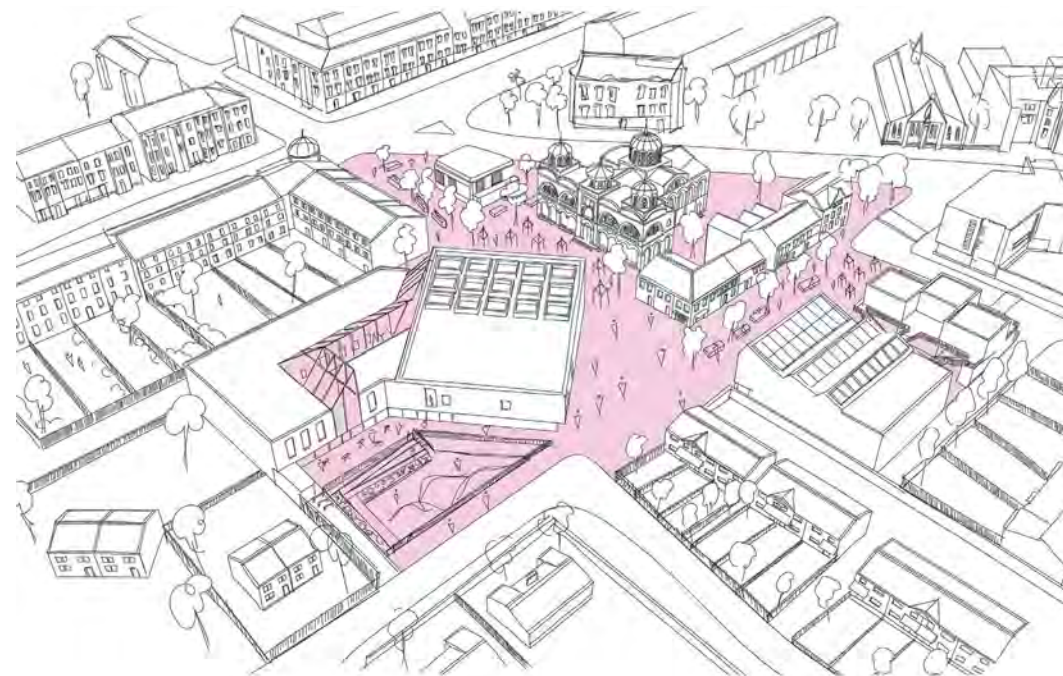
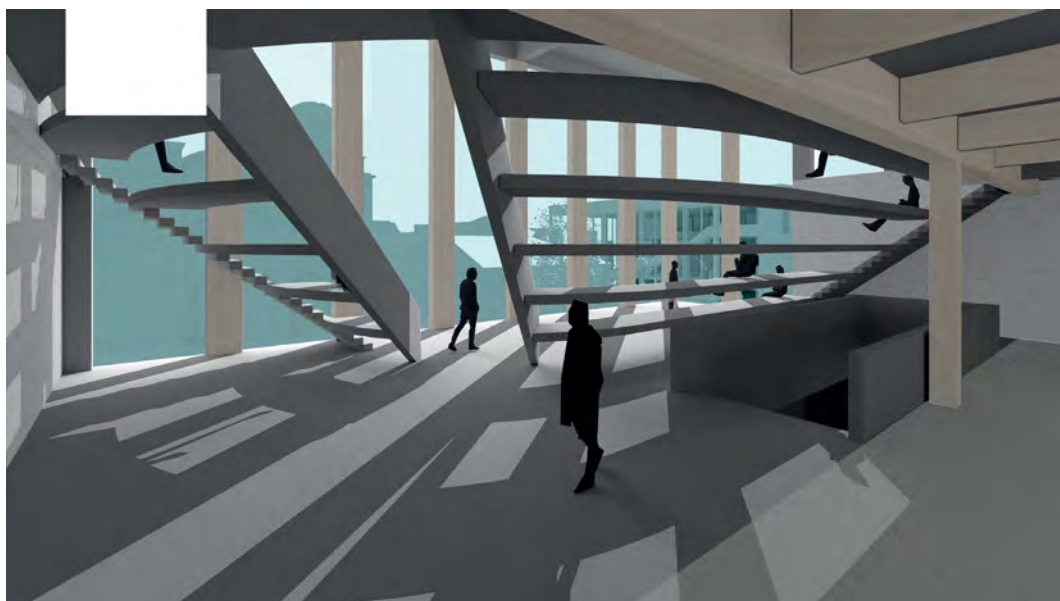
CGI

*Jicwood Prize Shortlisted*

*Winner RIBA Project Management Poster Award Prize*



**Johnathan Li**  
 Berkley Street Elevation / Internal View of Youth Forum  
*Subtraction*  
 CGI



**Amelia Maddocks**  
 Arial View / Interior  
*Play Street*  
 CGI



**Bethany Mallard**

The Regeneration of Berkley Square – Masterplan Arial View

If Walls Could Talk – A street art takeover of Toxteth

"The Bridge" Youth Centre & Stanhope Gallery

CGI



**Louis Marchini**

View from Princes Avenue / Inside the Frame

X40 – Community Art Exchange

CGI

Winner of Best Contextual Response

Runner up Liverpool Architectural Society Student Awards 2022





**Lyra McKinnon**

Upper Stanhope Street Elevations  
*Toxteth Youth Innovation Hub*  
 Mixed media: oil paint, spray paint,  
 cardboard collage  
 Photoshop Collage



**Hannah Meheran**

Community Youth Centre – Perspective Section / Entrance to the Young Generations Future  
*Shape L8*

CGI



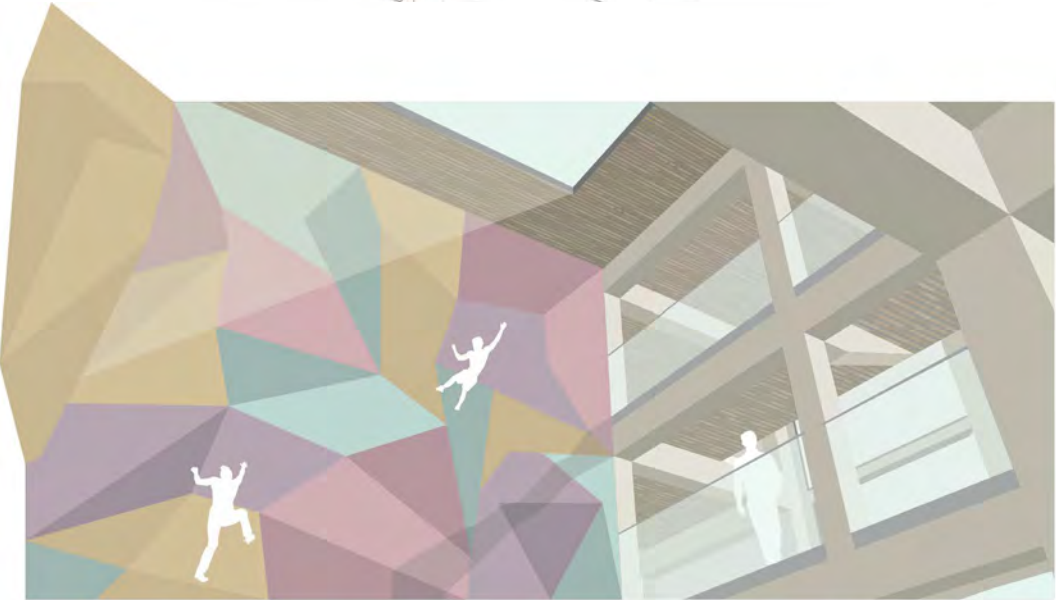


**Thomas O'Loughlin**

Isometric / View of Climbing Wall

*Connection is Unity*

CGI

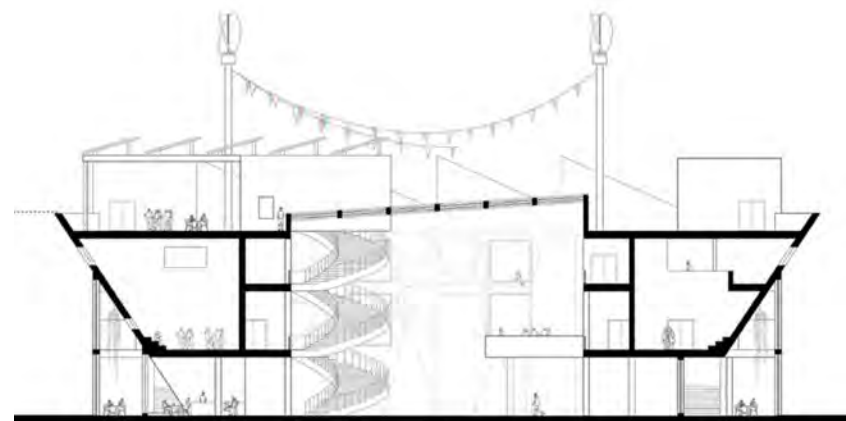


**Henry Omotosho**

Section / Elevation / External Render

*The Ark*

CGI





**Zivoin Ristic**

Ground Floor Axonometric  
Kinetic Community

CGI

LSA entry for AJ Sustainability Prize

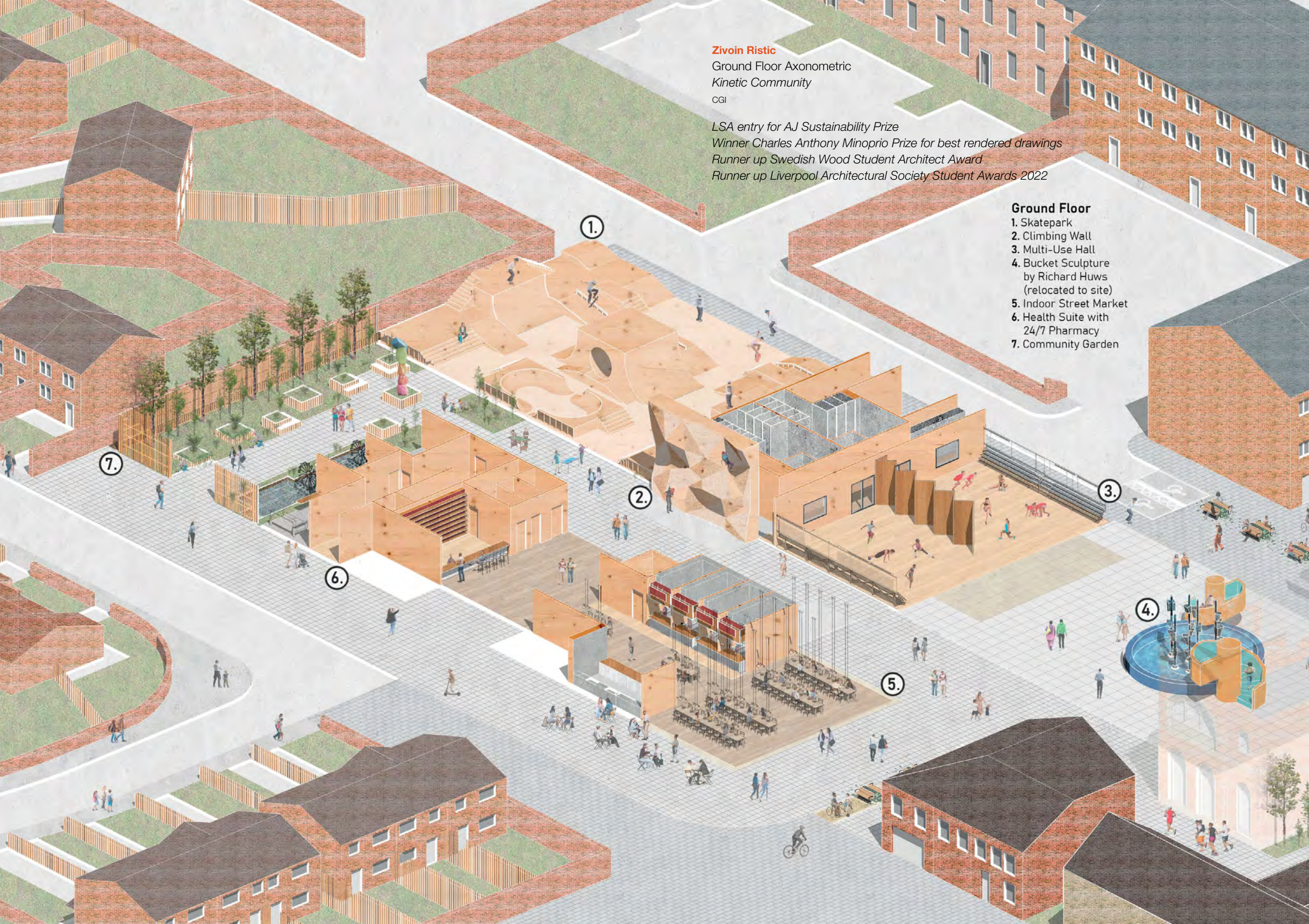
Winner Charles Anthony Minoprio Prize for best rendered drawings

Runner up Swedish Wood Student Architect Award

Runner up Liverpool Architectural Society Student Awards 2022

**Ground Floor**

1. Skatepark
2. Climbing Wall
3. Multi-Use Hall
4. Bucket Sculpture  
by Richard Huws  
(relocated to site)
5. Indoor Street Market
6. Health Suite with  
24/7 Pharmacy
7. Community Garden





**Clarence Tang**

A vision for the L8

Section – The long staircase serves as the centerpiece of the design

*The L8 Prospective*

Model / CGI



**Danny Lay**

Berkley Street View / Aerial View of City Block

*Toxteth Terraces*

CGI



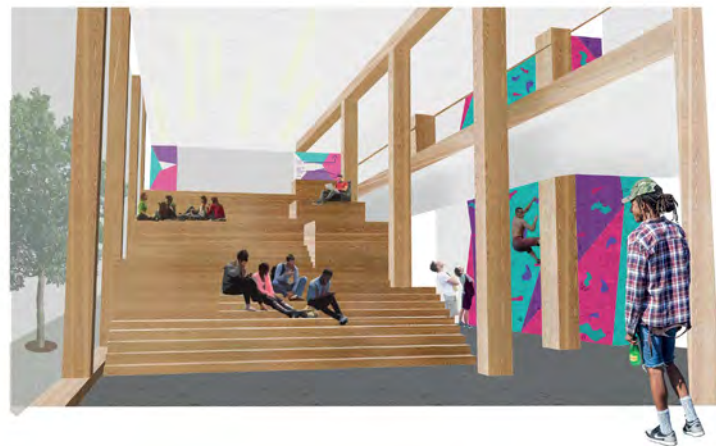
**Jingyi Wu**  
Atrium View / View from Outside  
*Inclusive Youth Centre*  
CGI



**Zonda Lau**  
Interior / Street Views  
*L8 Creative Arts Centre*  
CGI







**Eleanor Robinson**  
View of square / Interior /  
Section  
YzL8  
Photomontage

*Winner David Inman Fund  
for environmental science  
performance*



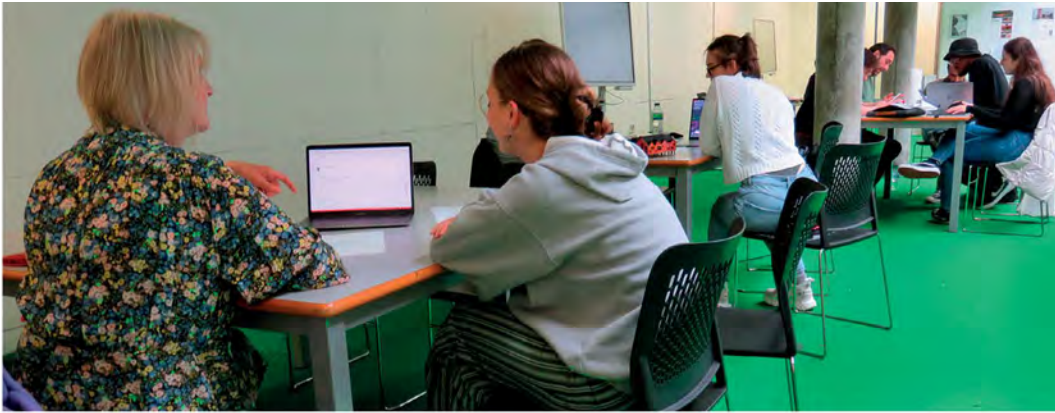
**Arina Kulinich**  
Multi-purpose Hall /  
Site Axonometric  
*Urban Hub*  
CGI













# Studio NOW

James Crawford  
(studio lead)

"The Long Now is the recognition that the precise moment you're in grows out of the past and is a seed for the future."

*Brian Eno (founding board member of The Long Now Foundation)*

Graham Burn  
James Crawford  
Ben Devereau  
Alexander Turner

## Special Guests

Mat Barnes  
Ione Braddick  
Alice Brownfield  
Marc Cairns  
Emma Colthurst  
Laura Gaskell  
Ernst ter Horst  
Evonne Mackenzie  
Rachel Patel  
Alex de Rijke  
James Rogers  
Su Stringfellow  
Fran Williams  
Hannah Wilson

## Special thanks

Adam Booth  
Richard Jennions  
Will Howard  
Jason Coe  
All the staff at Ty Pawb,  
Wrexham.  
Sophie Percival

Designing architecture can be a contradictory process. At once designing for the present, with the inherent optimism of designing something for the future, whilst also considering and referencing our shared histories. Our understanding of what is 'now', and how that affects future 'nows' is critical if we are to address the challenges ahead.

This year, Studio NOW has been investigating high streets. Their decline has been well publicised – threatened by out-of-town shopping malls, online shopping, a monoculture of retail uses, changes in consumer habits and more recently COVID-19.

Like most historic high streets, our wider site, London Road, was once the beating heart of social life with a variety of uses, including numerous pubs, cinemas, restaurants and a wide variety of shops.

Projects this year look to create a future vision for the area and propose a new gathering space. Each student has interpreted what this new typology might be, and formed their own individual brief. The bones of a typically outdated department store has been our host to test, trial and prototype a wide range of ideas all seeking to activate the high street once again.

We ask, can a renewed idea of the high street as a social space reinvigorate our town centres and provide new, sustainable and accessible spaces for urban life to thrive?

# Students

Thomas Barlow-Kay  
Haowen Bo  
Carrie Boon  
Lewis Bushell  
Lok T. Chin  
Katrina Fung  
Cara Grime  
Daniella Hudson

Kerry Hussellbee  
Daniel Jolaosho  
Ajey Kesavaraj  
Finlay Law  
Fonda Lee  
Emma Loughnane  
Natasha Mallin  
Myah Phelan

Boyu Qu  
Josh Richardson  
Liza Rose  
Ben Rylance  
Niamh Sharrott  
Yusra Sorwar Akhter  
Ben Sutherland  
Zhi Tan (Andrine)

Tianjun Tan  
Emilia Taraszkiewicz  
Yanfei Wang  
Qianshu Xu  
Li Zeju (Jared)  
Zihan Zhang



*How Long is Now: The Kunsthaus Tacheles, Berlin*  
Alamy Stock Photo

*Collection of student models*  
*NOW Model selection*  
*Photo: Sophie Percival*



**Thomas Barlow-Kay**

The project proposes a social music and art centre that engages local community groups with the creatives of Liverpool. Using the abandoned TJ Hughes building, two flexible performances spaces linked by an open plan food hall hosts events showcasing and celebrating local Artists, Musicians and DJs.

Foodhall Scene / London Road Scene

*The London Road Project*

CGI

Winner David Thistlewood Dissertation Prize

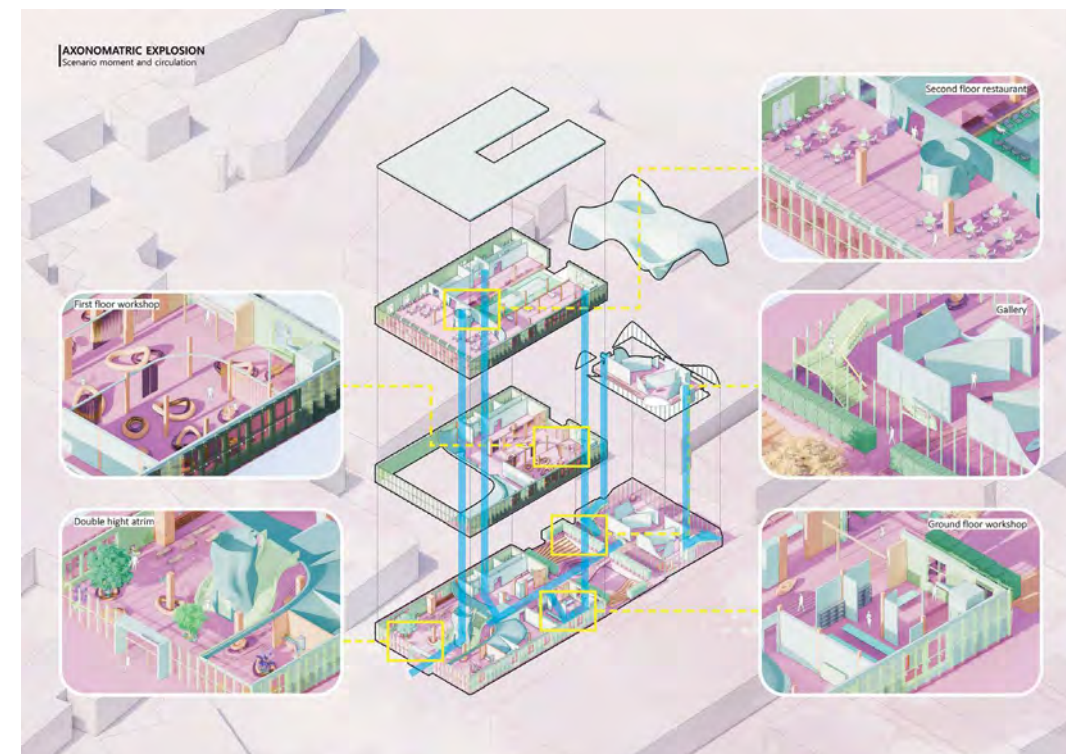


**Haowen Bo**

Perspective Rendering-view in the atrim / Axonometric Explosion

*W(e)AVE GALLERY*

Rendering / Mixed Media



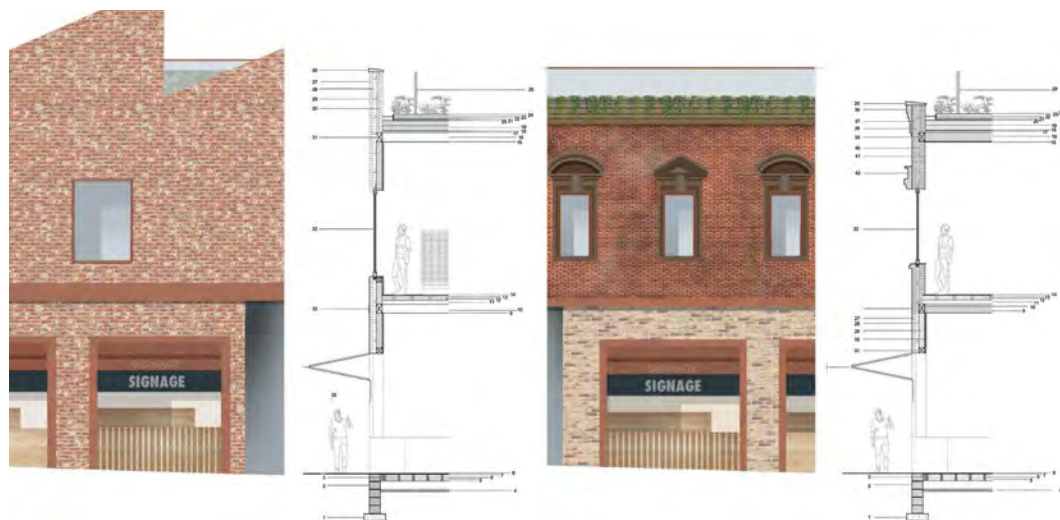


### Carrie Boon

Long Elevation to Stafford Street

Bay Elevations showing action of open air stalls within the proposal  
*London Road Market*

CGI



### Lewis Bushell

The Fabric district transport hub – An affordable, sustainable, and flexible gathering space providing services to the commuters of Liverpool / Transport hub exterior showing interaction of commuters with building and surrounding infrastructure

*OK Commuter*

CGI





**Lok T. Chin**

Aerial view-sculpture garden / Iso view – Visualisation of new high street – Stafford Street  
De pARTment Store  
Model



**Katrina Fung**

Exterior render / Interior  
The MakerSpace  
CGI





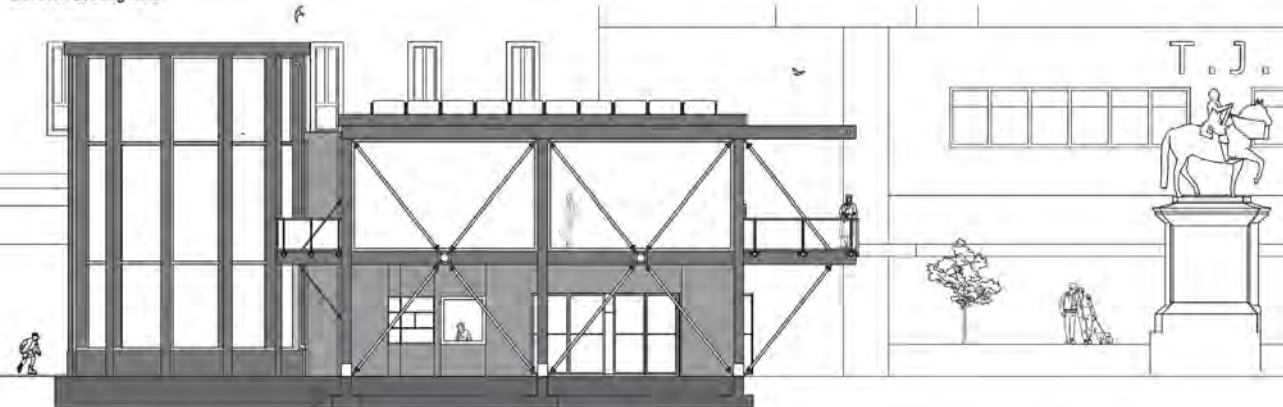
Cara Grime

Elevation Drawing / Rendered Elevation

Thread Exchange

CGI

Elevation Looking North



Kerry Husselbee

View from London Road / Internal view – using the existing structure

London Road Creative Centre

CGI









Fonda Lee

Future Trafford Street – A place to pursue dreams

UNITE

Hand drawing / Model



Emma Loughnane

Mixed use market and fashion studios / Adaptable retail market

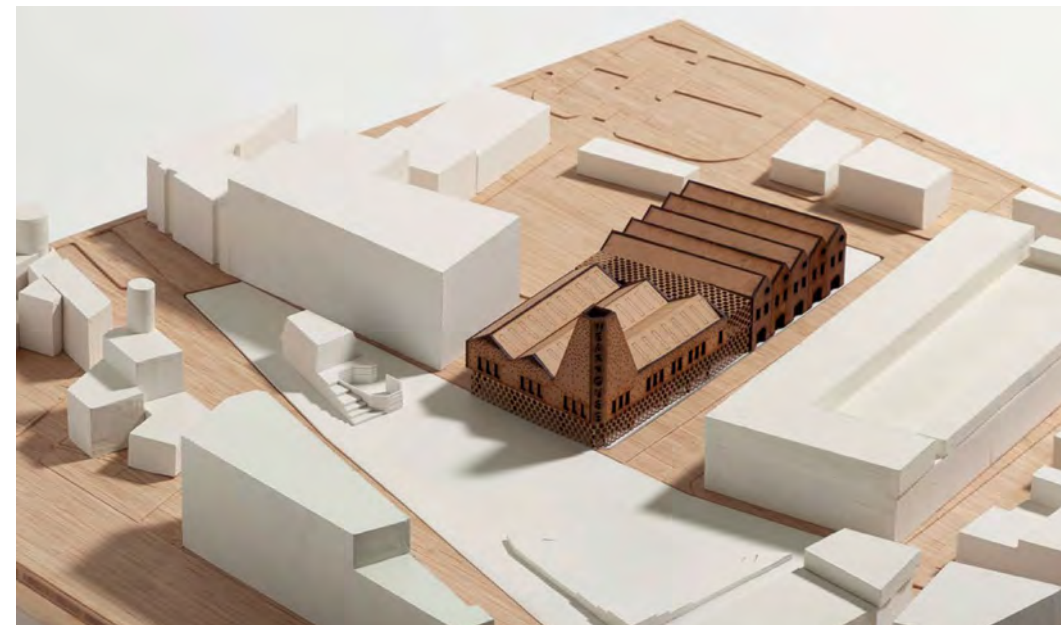
Wearhouse

Model / CGI

Winner Sheppard Robson Jicwood Prize

Winner RIBA Presidents Bronze Medal – part 1

Runner up Liverpool Architectural Society Student Awards 2022



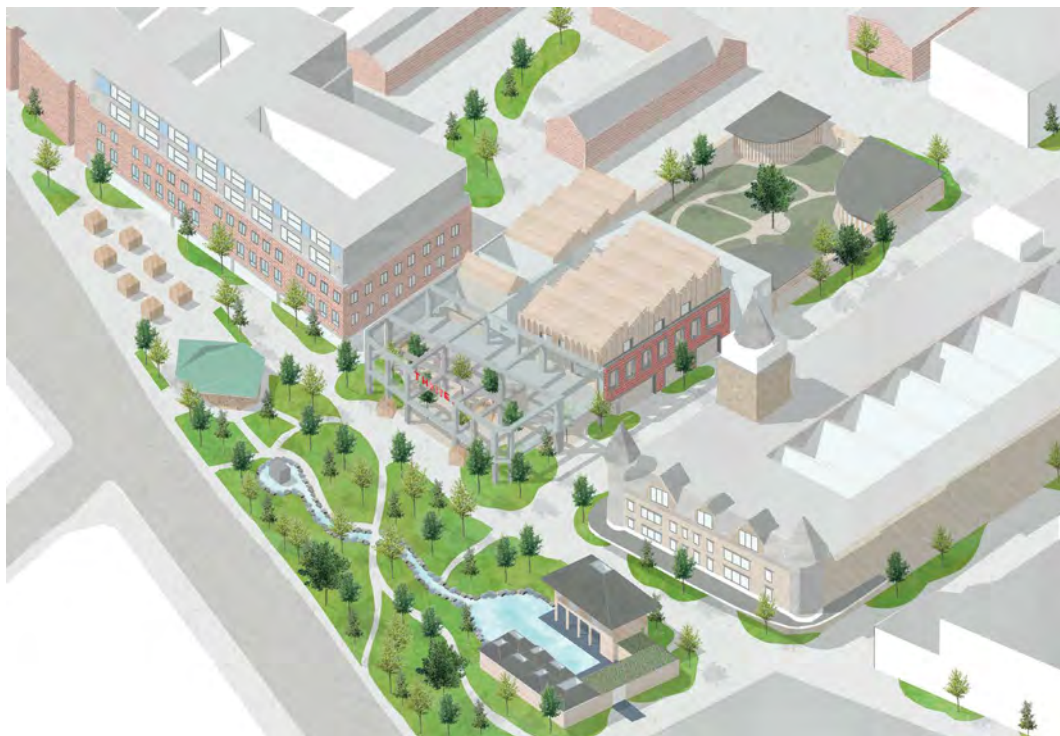


Natasha Mallin

London Road Reimagined / Entrance Perspective of Climbing Wall

THRIVE

CGI



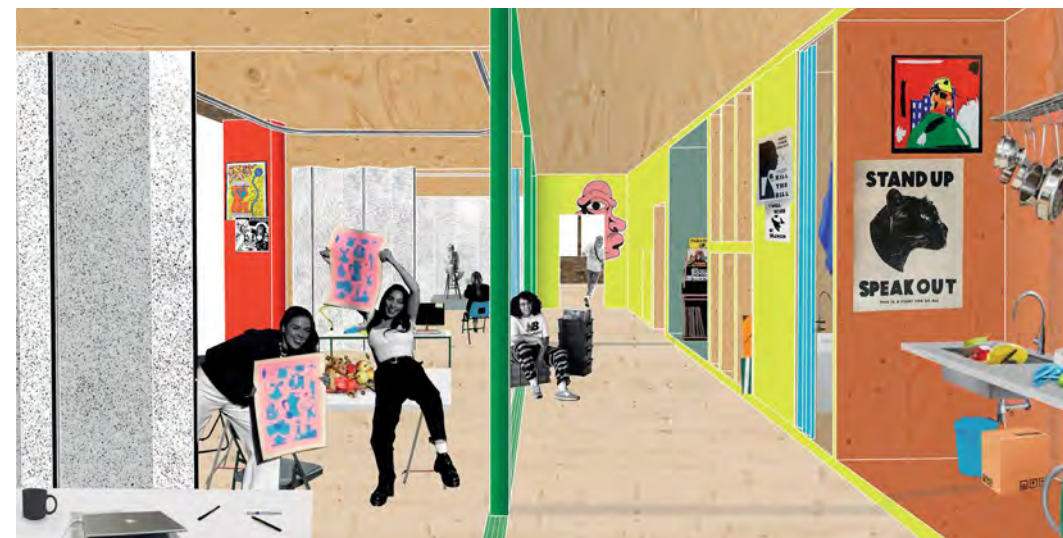
Myah Phelan

Live, Work, Protest.

Stand Out – development models and facade patterns for a non-profit art hub in Liverpool

NOW or NEVER

Photomontage / Mixed media, spray paint



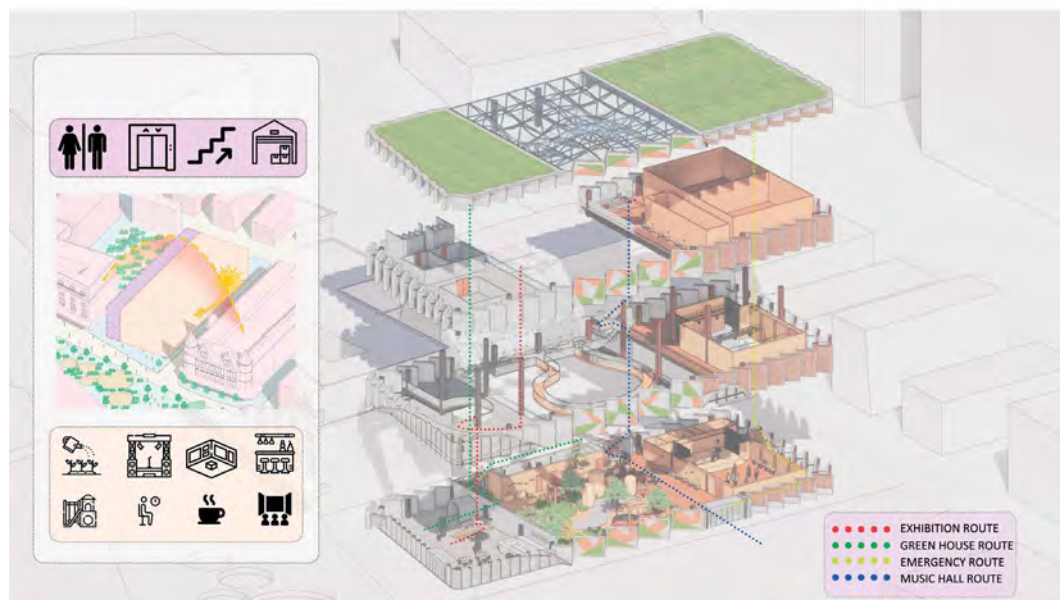


Boyu Qu

Exploded Axonometric of music venue / View of green house

POP MUSIC VENUE

CGI



Josh Richardson

Proposed redevelopment of Monument Place, including SoundGarden and Café NOW /

View inside SoundGarden Glasshouse

SoundGarden

CGI





Liza Rose

Internal Collage image / Glasshouse for Aromatics model

*The Glasshouse*

CGI



Ben Rylance

'The Nest' @ HABITAT – Internal view of the main venue space with a double balcony structure /

Night Section – Activity level and uses

*HABITAT*

Mixed Media / Hand drawing





Niamh Sharratt

Theatre – a view from the first floor / Long Elevation – the view from Stafford Street  
*The Department Store As a Theatre*  
CGI



Yusra Sorwar Akhter

CGI

The project design, preserving the now demonstrates the concept of maintaining the original aspect of a dated building like the case. Of J Hughes. The approach is to simply retain the main area and frame of the building. The envelope presents a different modern way of creating a simple outlook to the whole façade of the building, moreover the difference in height of the ground floor and the first floor inform of the different values and uses of each level. Having a shorter bottom suggest a more intimate area as here is less space from ground to roof. Moreover, the first floor has a higher floor to ceiling proportion as there is glazing surrounding majority of the area and creating a lighter space in contrast with the rest of the space.

PLANS

ELEVATIONS

SURROUNDING SITE AREA

DETAILED TIMBER ENVELOPE SECTION



**Ben Sutherland**

The People's Library and Music Hall – East Elevation / The Courtyard – an informal welcoming

*Indoor Voices*

CGI



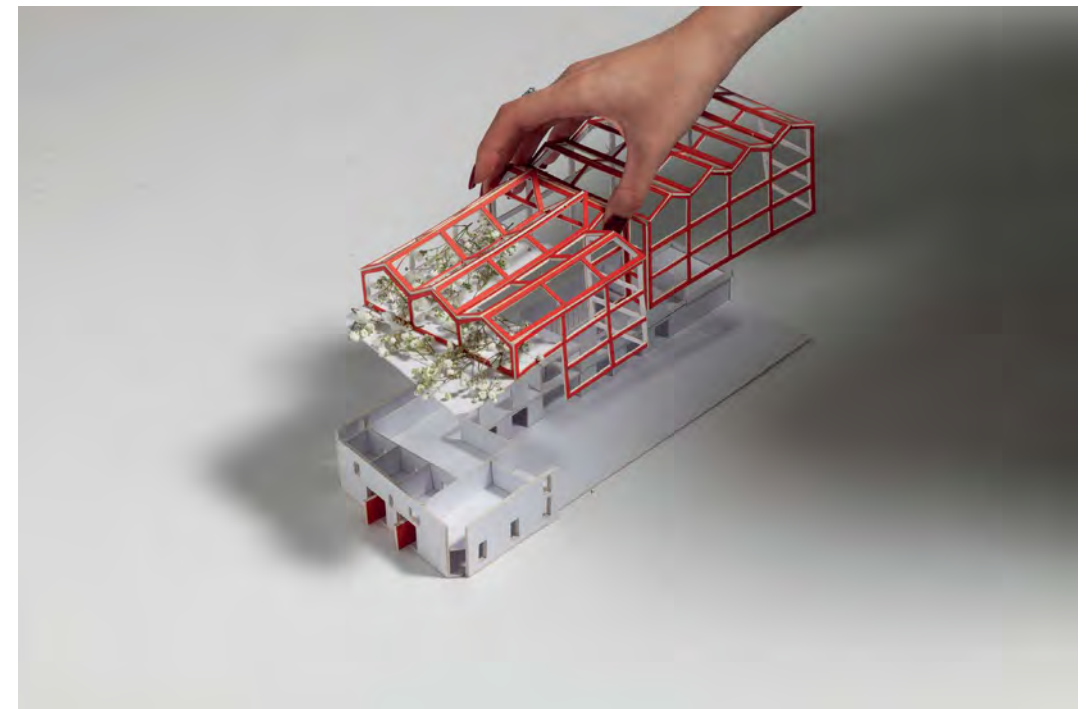
**Zin Tan (Andrine)**

Youth Centre and Urban Farm / Greenhouse Envelopment

*Grow & Grow*

Collage / Model

*Winner BA3 Best CGI*



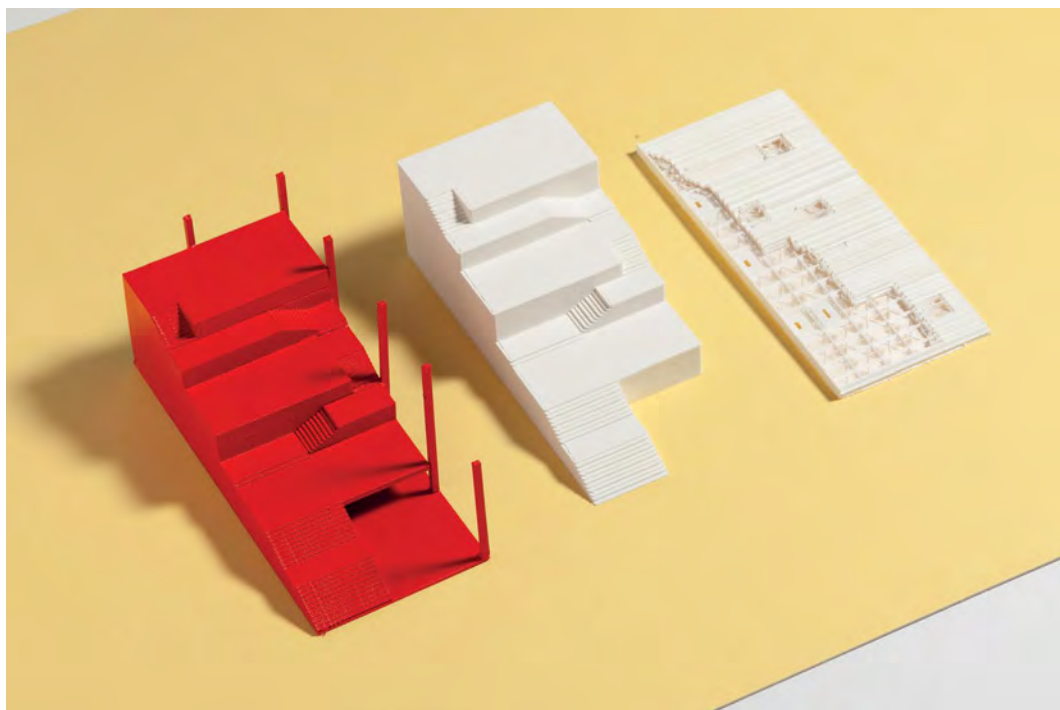


**Tianjun Tan**

Fabric Hub-A socialising space for fabric designers in Liverpool / Physical Model of 'Fabric Facade' and 'Fabric Stair'

*Fabric Hub*

Rendering / Model



**Emilia Taraszkiewicz**

Food court and Theatre – View from London Rd, Liverpool

*People attract People*

Photomontage / CGI





Yanfei Wang

Sectional perspective of the building – including theatre, market, food hall, classrooms / External perspective of London Road – combination of old and new

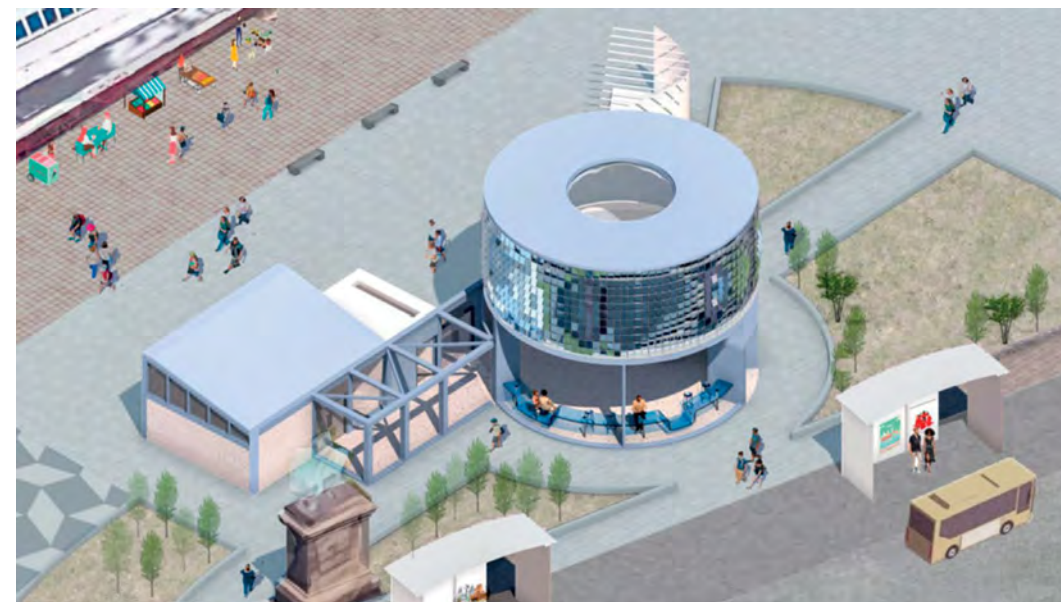
*Shopping as Theatre*

CGI



Qianshu Xu

CGI





Li Zeju (Jared)  
Diploma piece  
TJ Hughes Bar  
CGI

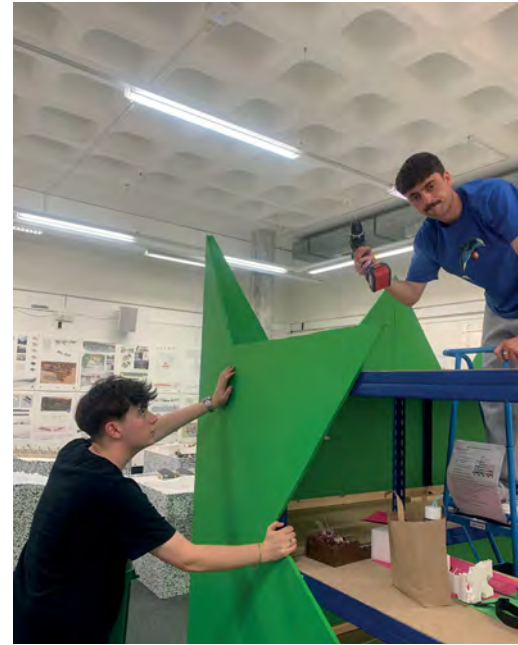


Zihan Zhang  
Food hall & fashion studio-external view / Night view at atium area – fashion show  
Foodie&Fashion  
CGI

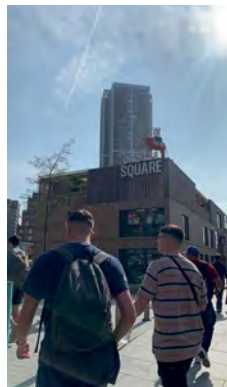
Winner Architects Journal Student Prize – part 1  
Winner Sikorski Memorial Prize for best interior design













# Heritage Related Design Studio

Dr Nick Webb (lead)  
Stephen Graham  
David Raynor  
Dr Torsten  
Schmiedeknecht

*Guest Critics*  
Dr Ataa Alsalloum  
Claudia Briguglio  
Sarah Hare  
Dearbhail Keating  
Charles Rattray  
Dr Giamila Quattrone  
Rebecca Sawcer  
Laura Sherliker  
Matina Vrettou

*Special Thanks*  
Heather McGrath-Alcock  
Dr HanMei Chen  
Dr Stuart Gee  
John Hinchcliffe  
Lowri Ifor  
Chris Iles  
Cadi Iolen  
Katy Marks  
Tom Stapledon

Historic buildings present particular challenges when considering new design proposals in their vicinity. Our studio focuses on interventions in these contexts, whether building a dialogue between old and new as adjacent yet separate designs, creating new extensions, considering design solutions within the footprint of the existing building itself, or a combination of these. Our ethos is to encourage creative and innovative design ideas whilst respecting and adding value to the existing historic built context.

Semester one saw us working with the Friends of Williamson's Tunnels to design a visitor centre on the site of Joseph Williamson's house; a businessperson in Liverpool renowned for building a network of underground tunnels. Responses including sweeping roof structures to create bold and contemporary forms inspired by the original tunnel designs below, ramped subterranean entrances giving direct access to the exposed kitchen ruins, as well as vast atriums overlooking these and the original Williamson house façade.

In semester two we explored designs for a traditional building skills hub for the National Slate Museum Wales. We worked amongst ruined slate worker cottages that are a part of the former Dinorwic slate quarry. Design strategies at this industrial yet picturesque site ranged from a series of grouped buildings carefully connected via landscaping, interventions directly working with the slate cottages, as well as elements giving prominence to the panoramic views over Llyn Peris and Yr Wyddfa.

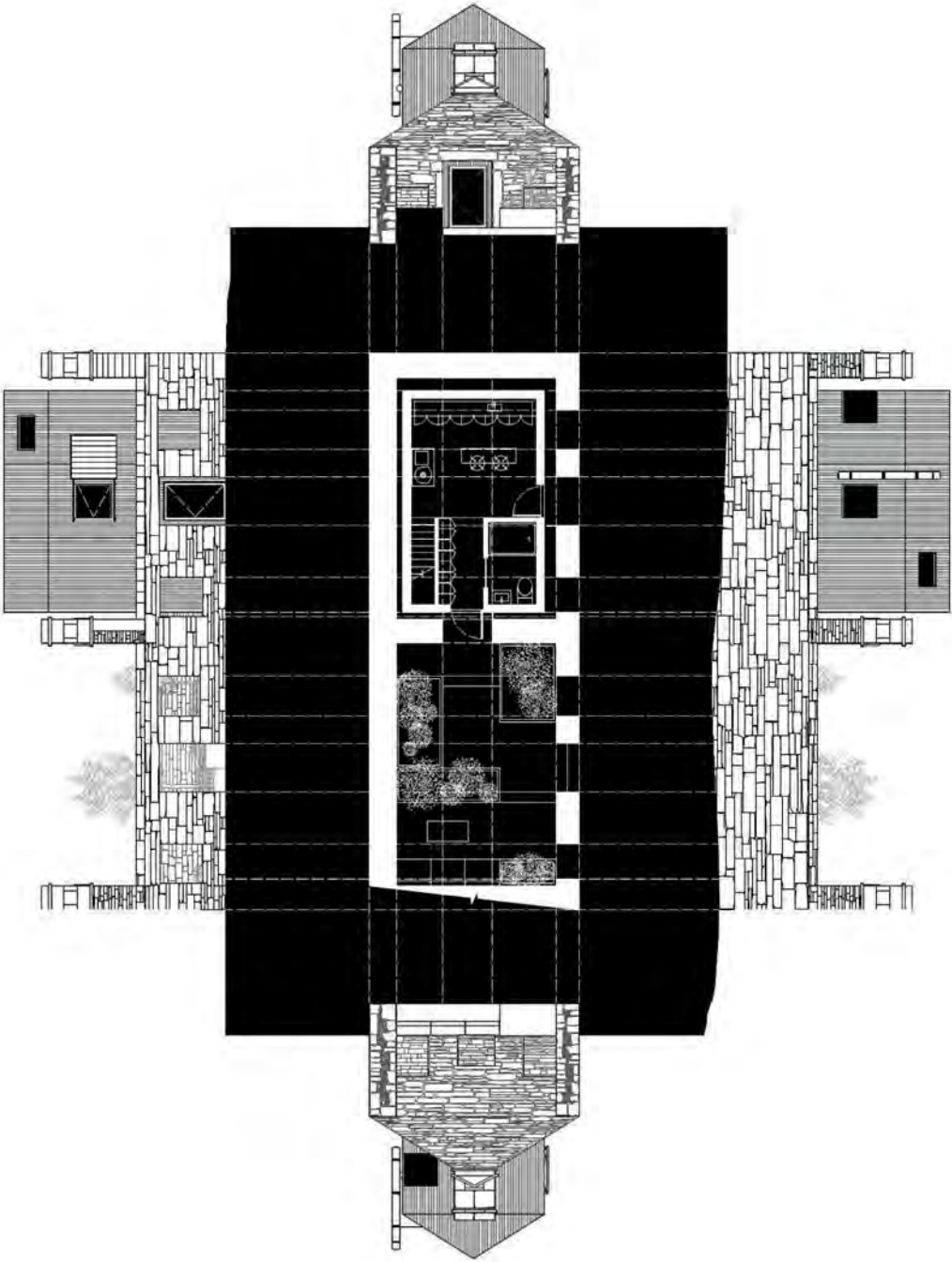
The projects shown here are a celebration of the efforts of the entire studio, who showed resilience, skill and dedication to produce a variety of creative design responses throughout the year.

## Students

Maria Anselmo da Rocha  
Zhongxuan Bai  
Joe Camlin  
Sam Cole  
Yue Dai  
Emily Dodd  
Max Dresler  
Ryan Farrell  
Daisy Foster  
Maddy Gallant  
Rebekah Garner

Veronica Gawlik  
Tomasz Gogol  
Freya Harrison  
Stephanie Hopkinson  
Abi Jones  
Cadi Jones  
Mieraf Koeber  
Sonja Losonci Johnson  
Ethan Martin-Yates  
Rupert Morley  
Caio Owen

Ciaran Robinson  
Izzy Saxon  
Ellie Smith  
Zuzanna Staniecka  
Charles Thadwald  
Sam Thomas  
Alex Walker  
Nianxue Xia  
Zhaoyun Xing  
Ziting Xiong  
Yilun Zhu



Envelope Drawing  
Joe Camlin  
CGI



**Zhongxuan Bai**

Interior Visualisations / Perspective Section

*Layers of Rocks*

CGI

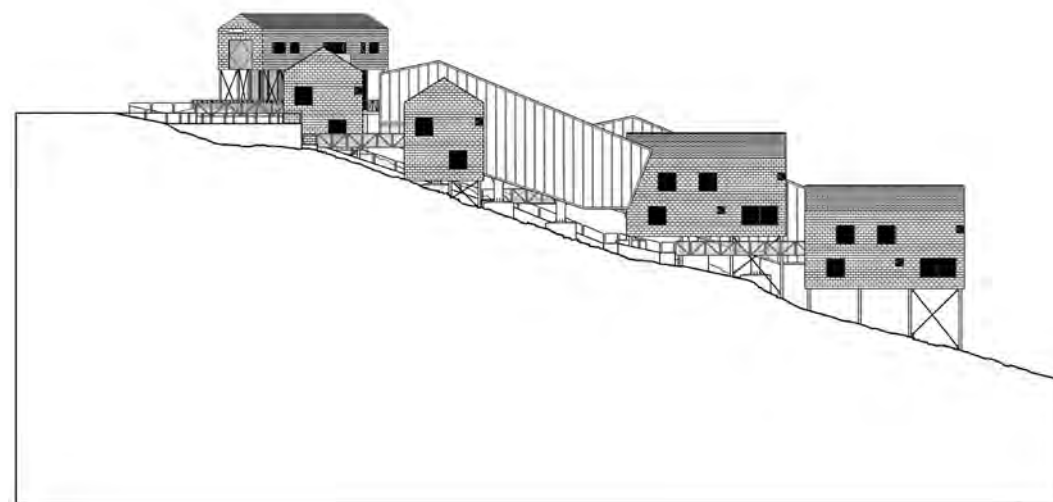


**Joe Camlin**

Mountainside Cross-section / Mountainside Visual

*Mountainside*

CGI

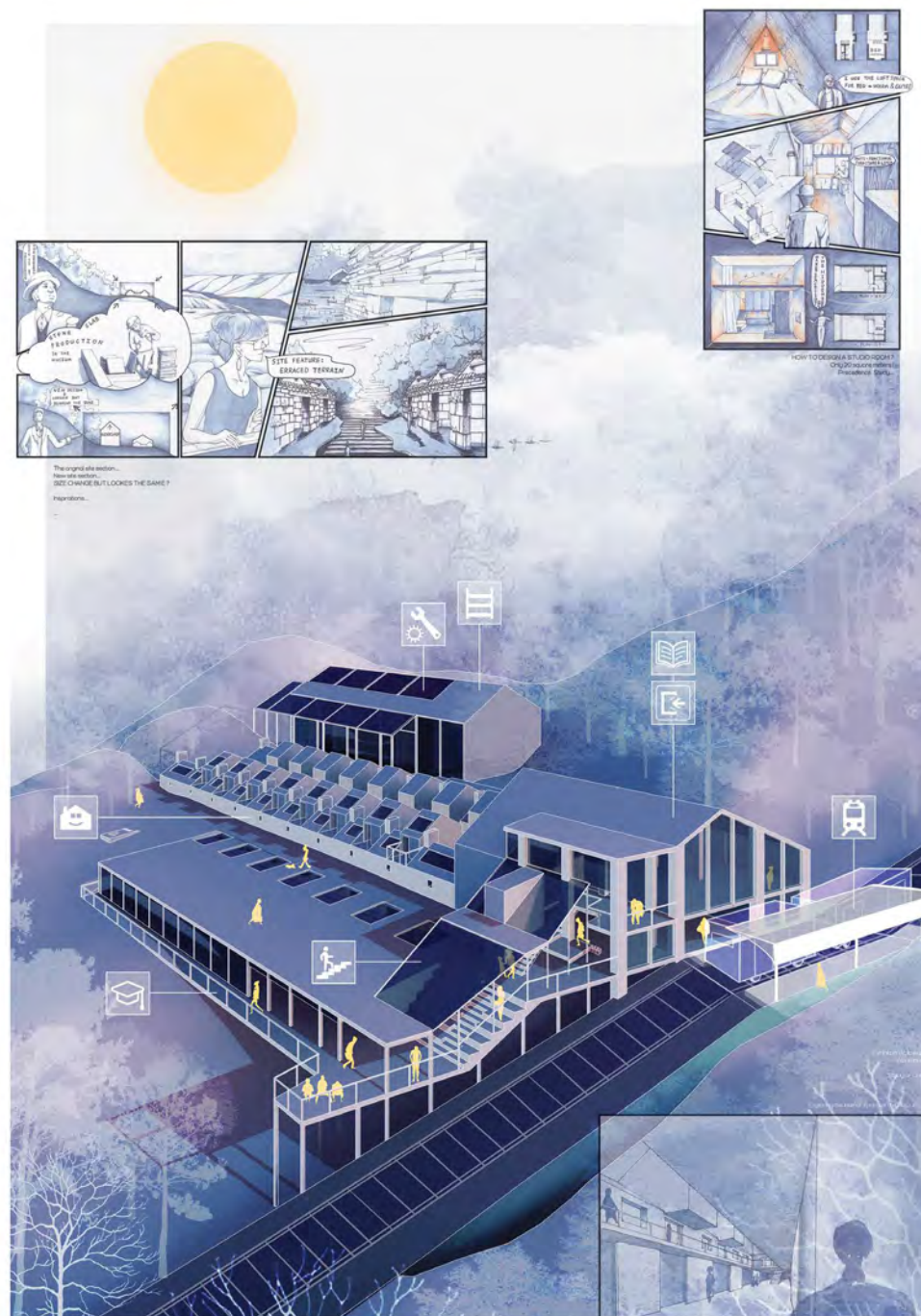




Lane Render / Site Section  
*A Walk Down Memory Lane*  
CGI



Site Perspective / Illustrations  
Barracks Traditional Skills Hub  
CGI / Hand Sketches



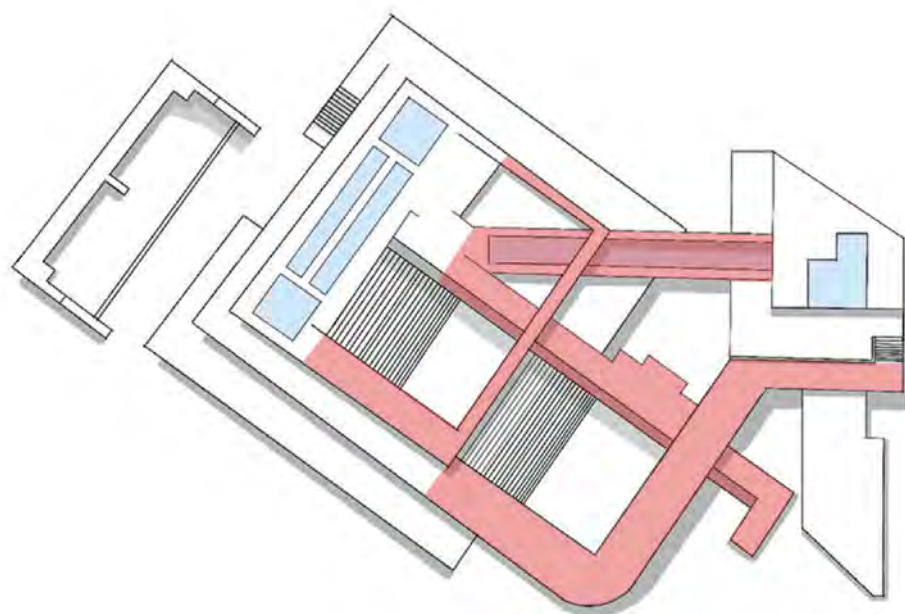


**Emily Dodd**

Site History / Design Development

*The King of Edge Hill*

CGI

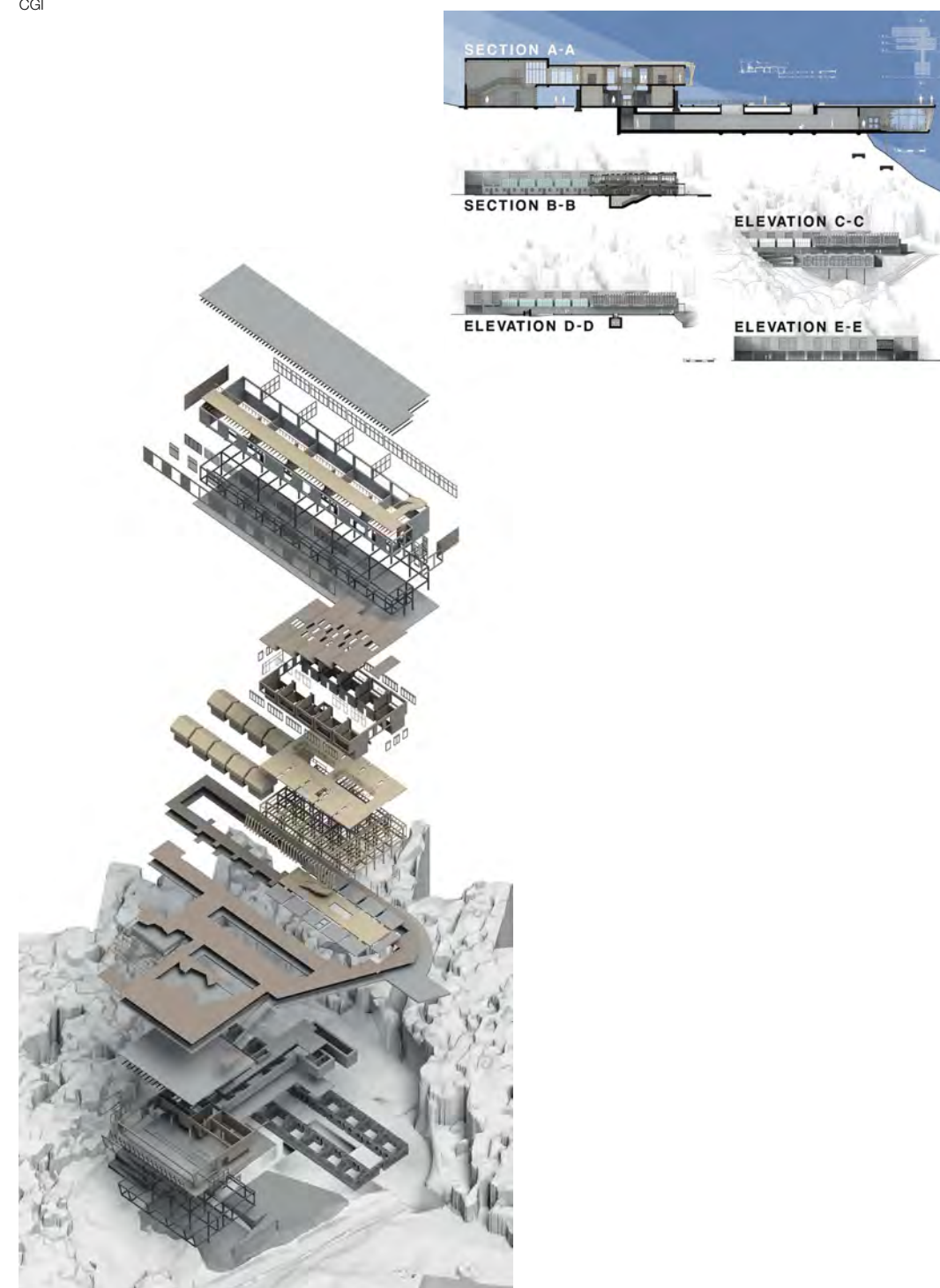


**Max Dresler**

Exploded Axonometric / Sections and Elevations

*Arsylwi Môn (Anglesey Observe)*

CGI





**Ryan Farrell**

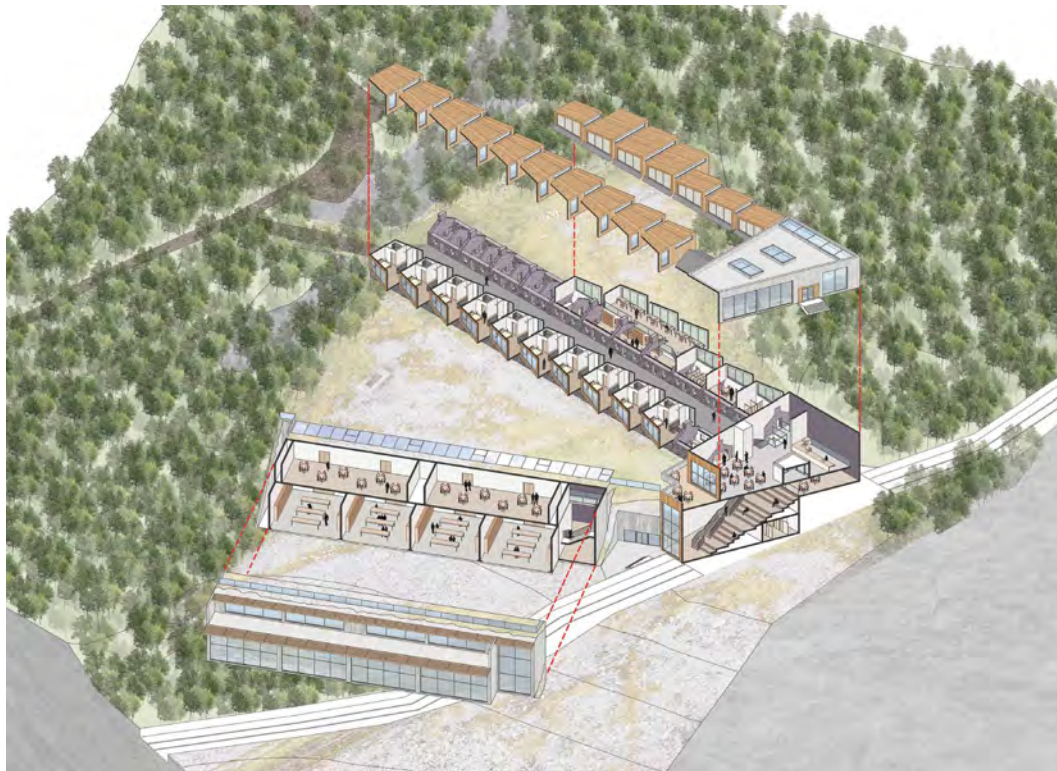
Rendered Perspective Construction Detail /Exploded Isometric

*Anglesey Barracks Traditional Skills Centre*

CGI

*Winner BA3 Best Background Research*

*Winner Swedish Wood Student Architect Award*



**Daisy Foster**

Visitors Centre – Axonometric Section / Site Plan – Heritage Centrepiece

*Williamson Tunnels Visitor Centre / Centre for Building Skills*

CGI

*Winner RIBA Presidents Bronze Medal – part 1*

*Runner up Liverpool Architectural Society*

*Student Awards 2022*





**Maddy Gallant**

Night Time View of Walkway / Elevations

*The Miner's Trail*

CGI

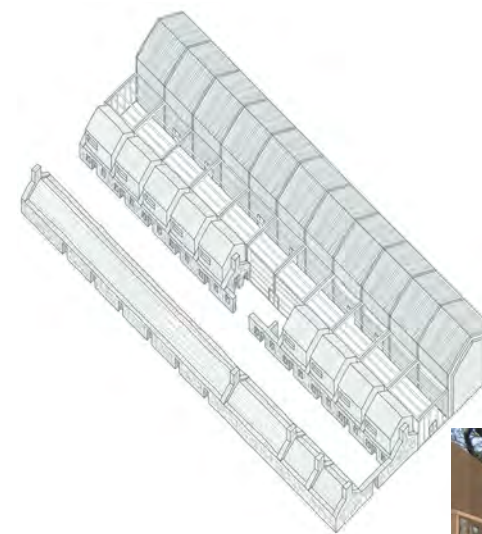


**Rebekah Garner**

Whole Site Axonometric / Internal Street

*Remembering Traditions*

CGI



*Winner David Thistlewood  
Dissertation Prize*



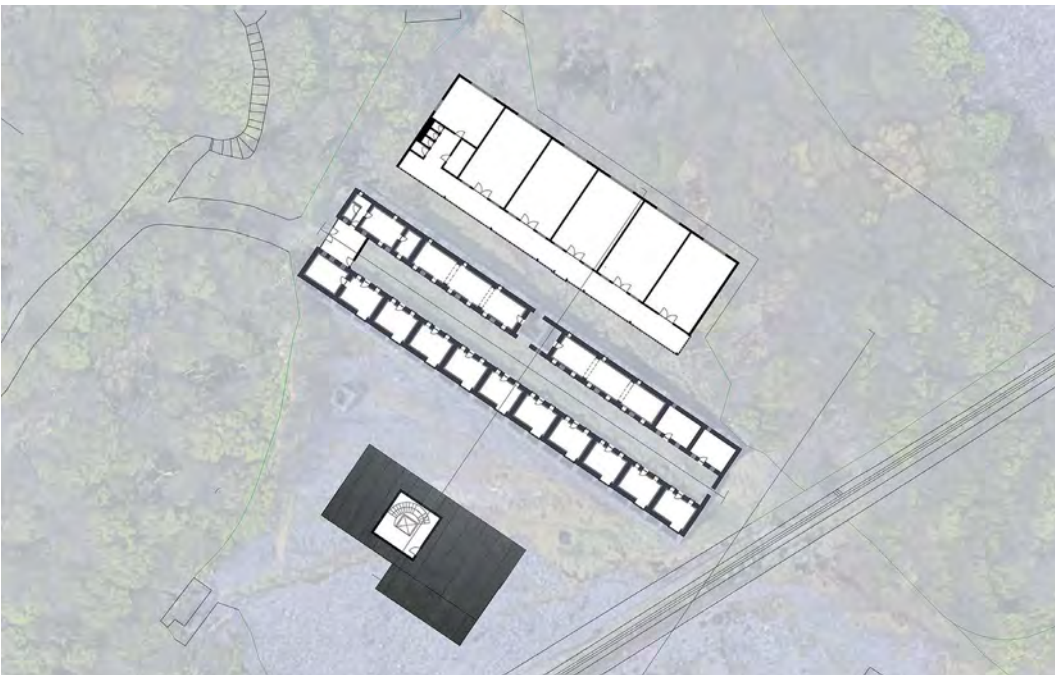


**Veronica Gawlik**

South Elevation – Contrasting Materiality Between Old and New / Ground Floor Plan

*Forgotten Heritage*

CGI



**Stephanie Hopkinson**

Sunken Atrium / Cafe

*Sunken in Time*

CGI



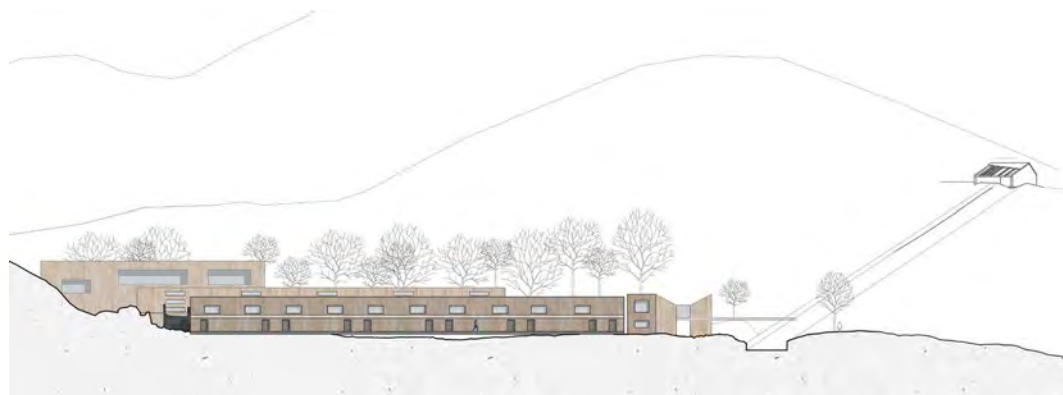
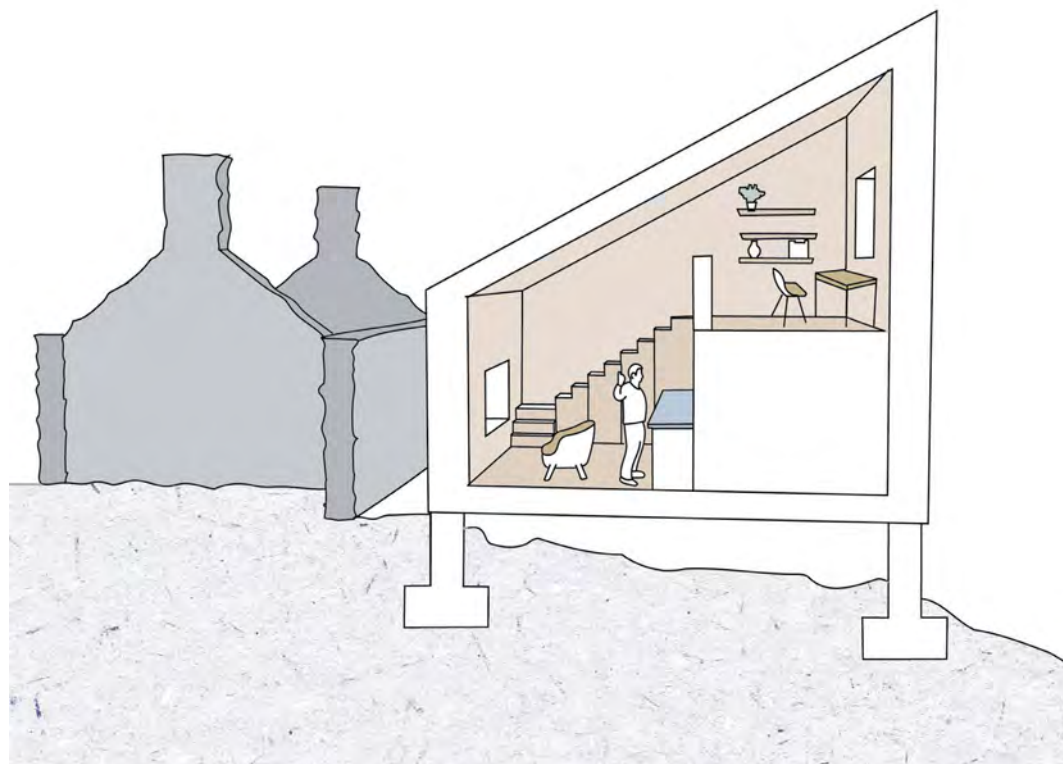


**Freya Harrison**

Sketch Section / Elevation Drawing

*Anglesey Barracks*

CGI



**Abi Jones**

Knitted Concept Model / Site Montage

*Bed and Barracks*

Physical Model / CGI





**Tomasz Gogol**

External Render / Connection Between Old and New  
*Traditional Building Skills Hub*

CGI



**Cadi Rees Jones**

A View from the Anglesey Barracks / The Quarry Workshops  
*Caban y Chwarelwyr / Quarrymen's Cabin*

CGI

*Runner up Swedish Wood Student Architect Award*



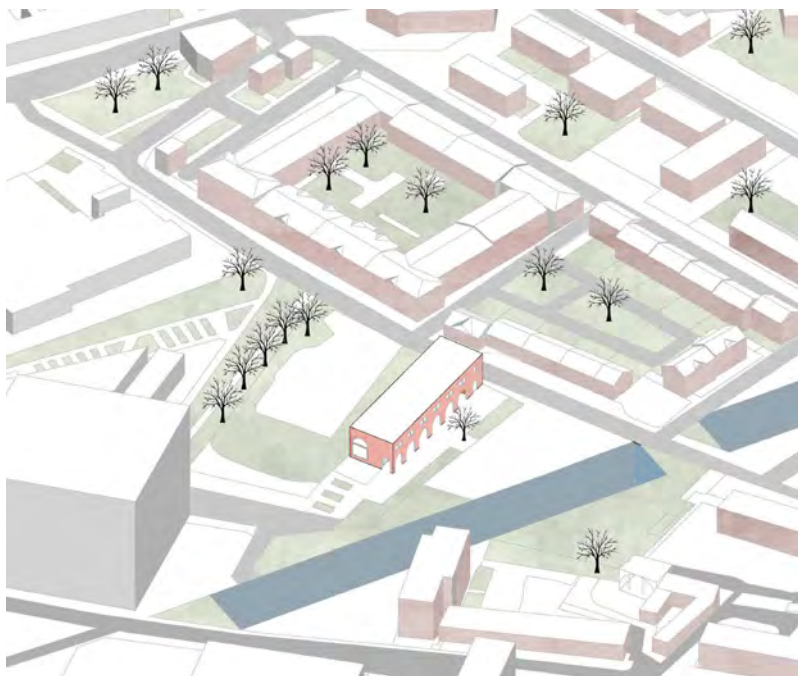


**Mieraf Koeber**

Arch Render / Site Isometric

*The King of Edge Hill*

CGI



**Sonja Losonci Johnson**

Perspective Section / Social Space Visualisation

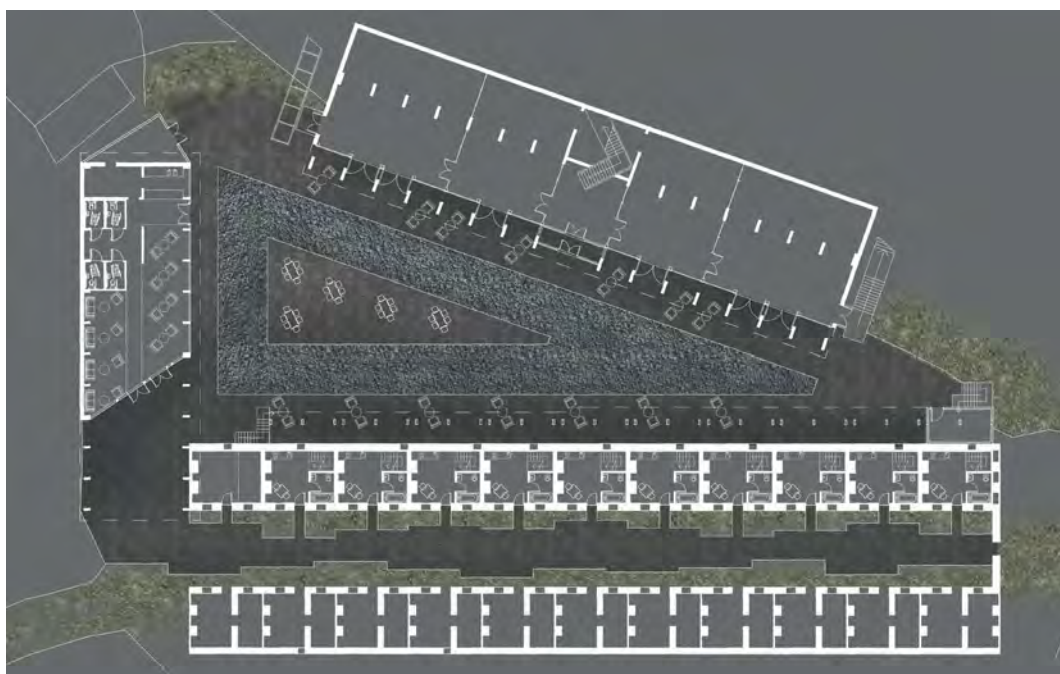
*The Anglesey Workshops*

Mixed Media / CGI





**Ethan Martin-Yates**  
 Courtyard Render / Plan  
*Traditional Building Skills Hub*  
 CGI



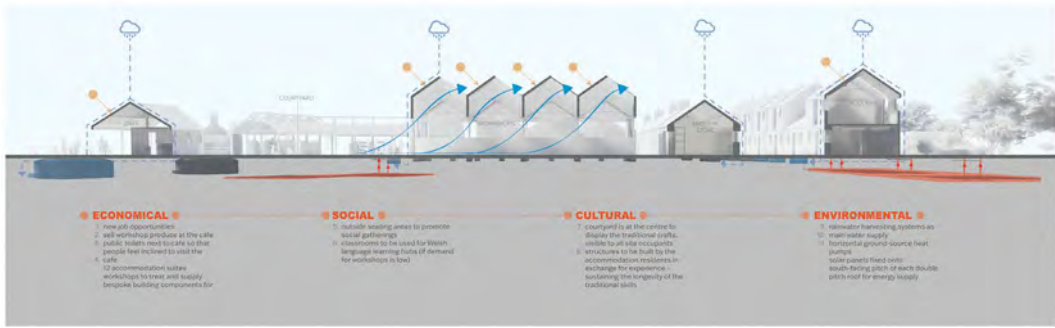
**Rupert Morley**  
 Isometric Drawing / Interior  
 Visualisation – Workshop Spaces  
*Return to the Mountain*  
 CGI





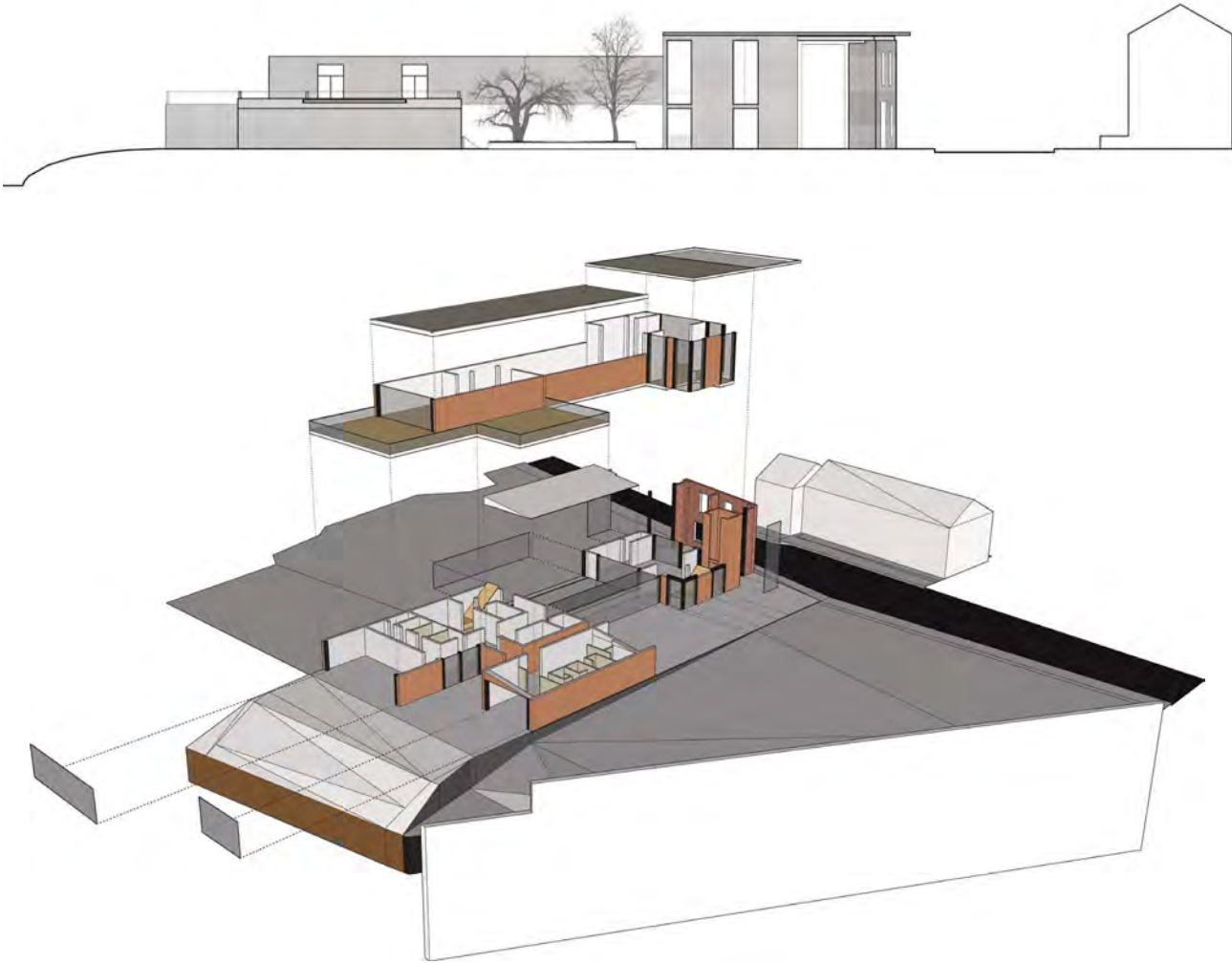
**Caio Tudur Owen**

Accommodation Unit – Traditional Welsh Crog Loft Design, a ‘Suspended Room’ /  
Environmental Section  
*What's Past is Prologue*  
CGI



**Ciaran Robinson**

South Elevation / Exploded Perspective  
*The King of Edge Hill*  
CGI



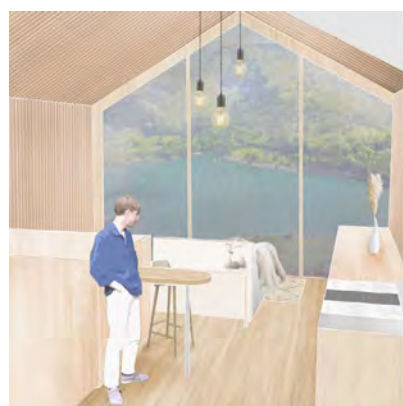
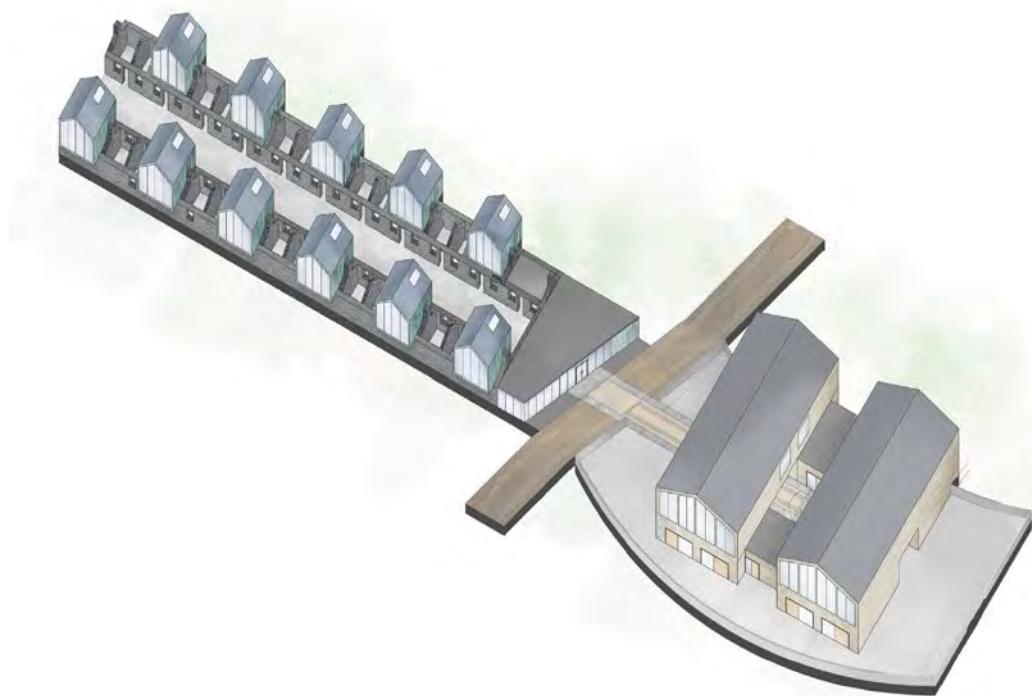


**Izzy Saxon**

Site Axonometric / Interior Visualisations

*Traditional Skills Hub*

CGI



**Ellie Smith**

North East Elevation / Before and After Montages

*Traditional Building Skills Hub*

CGI / Physical Model





**Zuzanna Staniecka**

Site Section / Old and New

*Llanberis Hub for Traditional Building Skills*

Mixed Media / Photomontage



**Charles Thadwald**

Site Perspective / Interior Visuals

*Anglesey Barracks Education Centre*

CGI



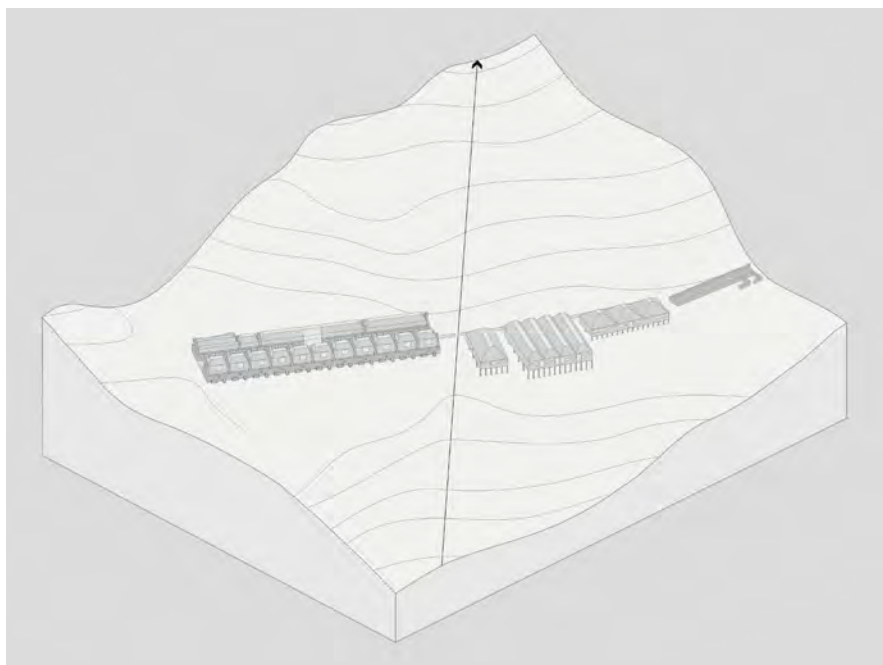


**Sam Thomas**

Concept Diagram / Site Isometric

*Sticks + Stones*

CGI

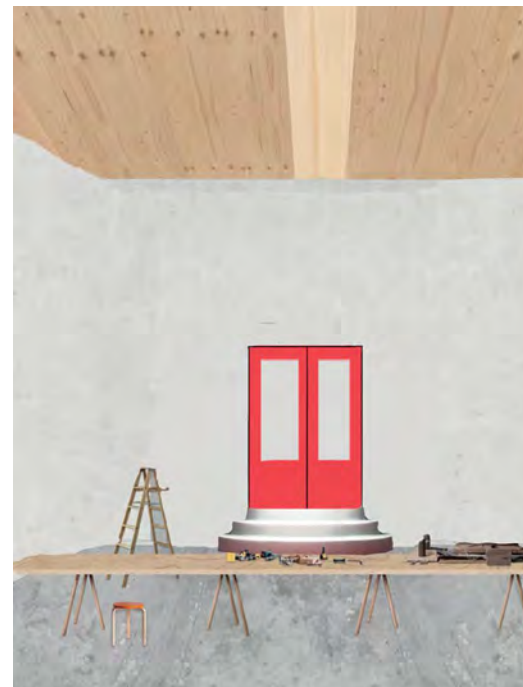


**Alex Walker**

Interior Visualisations / Site Section

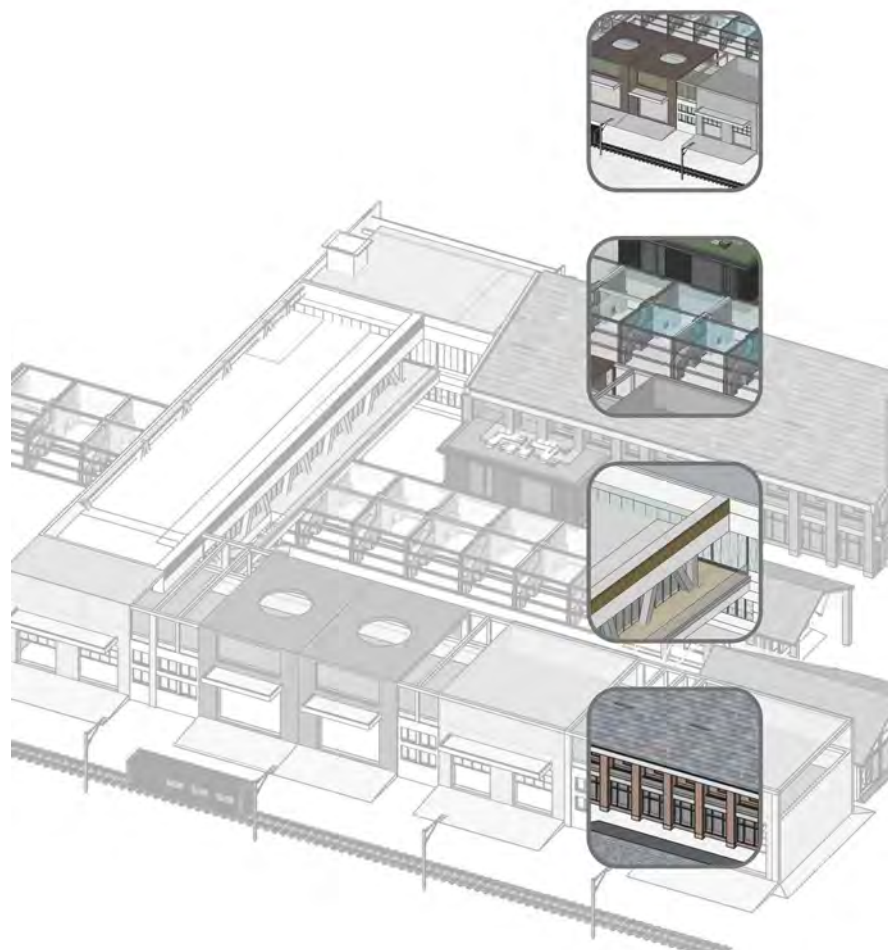
*Anglesey Barracks*

CGI

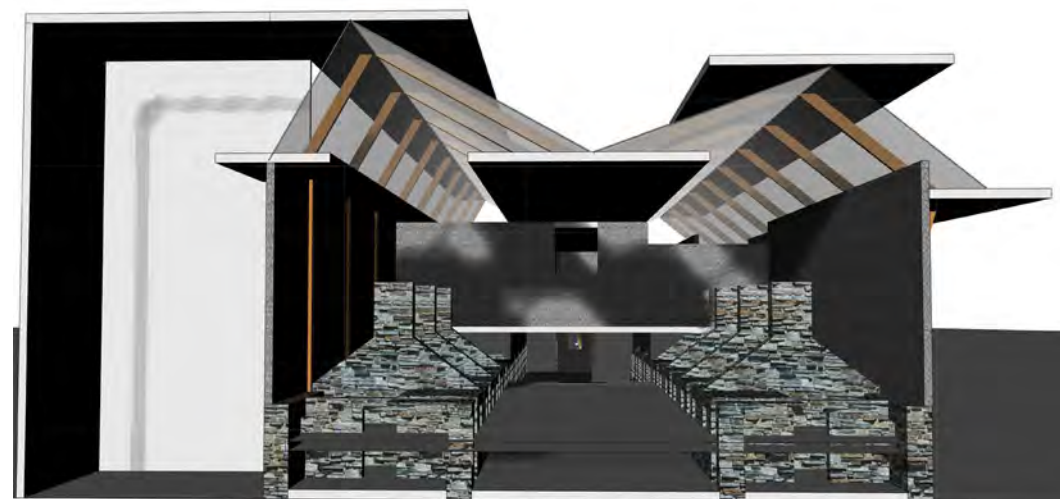
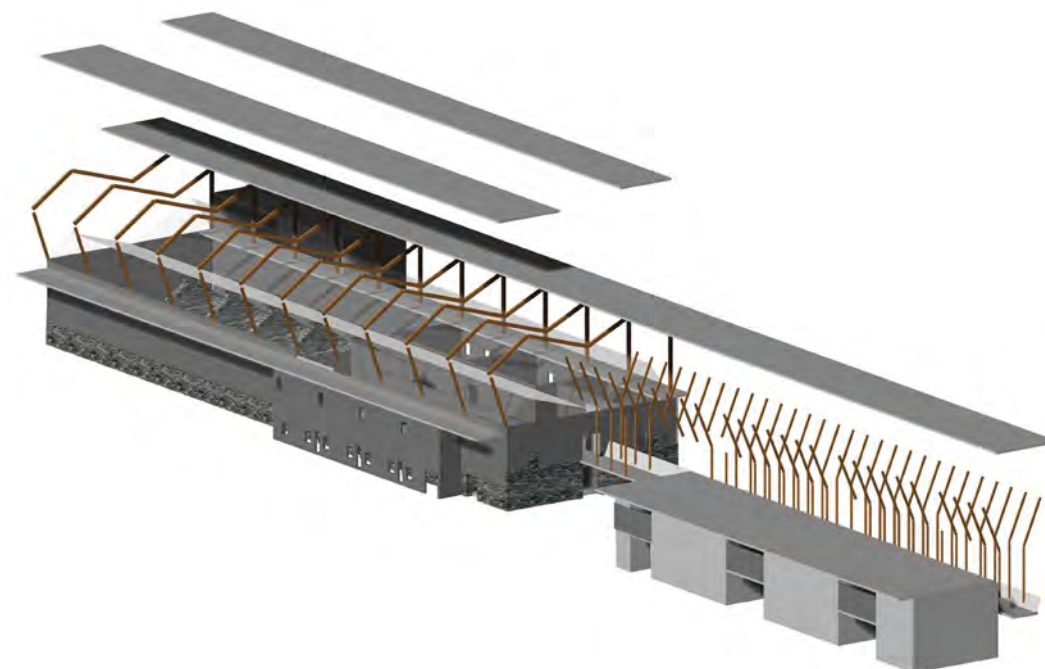




**Nianxue Xia**  
Isometric Highlights / Perspective Elevation  
*Barracks Workshop*  
CGI



**Zhaoyun Xing**  
Exploded Structural Isometric / Sectional Concept Visualisation  
*Symbiosis*  
CGI



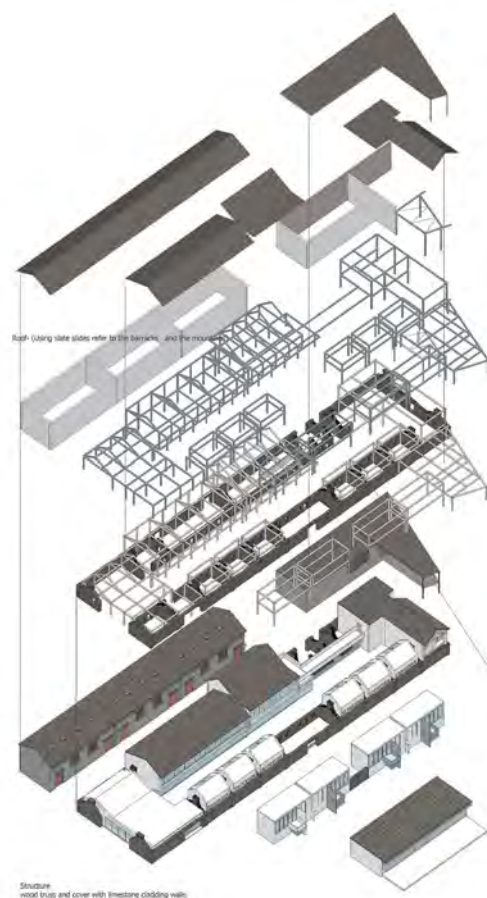


## Ziting Xiong

Exploded Structural Isometric / Elevations

*Lie in Mountain*

CGI

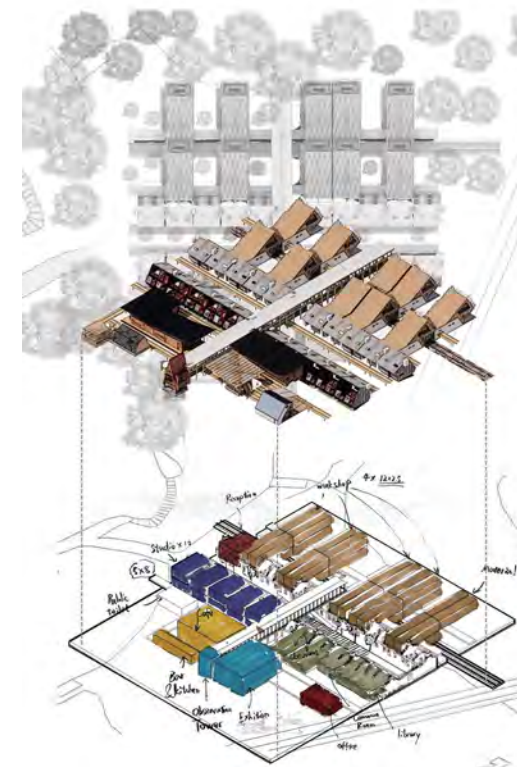


## Yilun Zhu

FoWT Entrance Render / Barracks Concept to Render Process

*Edge Hill Cube / PLUG-IN Barracks*

Mixed media





**Dr Rosa Urbano  
Gutiérrez**

Reader in  
Architecture,  
Programme  
Director M.Arch

*Special thanks to  
our guests and  
contributors*

Our MArch Programme ambitions to provide an environment of intellectual discussion about current discourses in architecture and culture. We aim to promote creativity, innovation, imagination and experimentation in our studios, which we want to relate to a stronger integration of history and theory, technology and urban, structural and environmental design, but also to the use of new design methodologies, hands-on seminars and the active inclusion of new technology, media and formats in the design process. Our tutors have strong research and professional backgrounds, to grant that our students are competent and confident in all areas of the profession and scales of intervention, from urban design to the technical development of the building. Our design schemes explore both local and international issues: working with real projects in the UK context allows input from national stakeholders to the briefing and review process, but equally important is to reinforce global citizenship, acknowledge the international nature of our cohorts and develop the skills to work in different contexts on site and remotely. Our successful international field trips, design competitions, collaborations with different universities and the diverse range of our exchange programme further support this vision.

Unique to the MArch at Liverpool, it very successfully offers a dynamic structure to support collaborative practice, alternating individual and group work, introducing the students to the opportunities and responsibilities of both methods. Our programme also wants to be led by the students own interests, with brief-making and a personal exploration of a wide range of media and resources as part of the design process, strongly supported by seminars and guest lectures delivered by world-class tutors, academics and practitioners. The broad range of design investigations provides a stimulating and highly rewarding learning experience, and the freedom allowed in the programme enables the student to develop a personal perspective towards design, which frequently informs their professional career. Our graduates have an excellent record of employment in both internationally renowned offices and small-scale specialist practices.



*Urban Space – Designed for Whom?  
Interrogating the right to safety.  
Molly Fitzpatrick, Phillipa Mack, Ka Ho  
Tang, Daniel Aston-Clarke*



# M.Arch4

**Dr Katerina Antonopoulou**

M.Arch4 year lead

*M.Arch4 staff*

Dr Katerina

Antonopoulou

Valentino Capelo De

Sousa

Ronny Ford

James Jones

Dr Marco Iuliano

Professor Richard Koeck

Johanna Muszbek

Pietro Pezzani

Dr Spyridon Stravrovadis

(sustainability and environmental design support)

Dr Han-Mei Chen

(structural support)

*Guest Critics*

Dr Sophia Banou

Dr Melinda Benkő

Dominika Tihanyi

Prof Nicholas Ray

Yu Zhan

Jonathan Shaw

Gordon Talbot

Samu Szemerey

*Special Guests*

Michael Wilford CBE

*Special Thanks*

Zoltán Erő

Levente Polyák

## Budapest: Remote [Re] Discovery

The first year of the MArch explores the relationship between architecture and the city. The studio is structured through a series of interlinked stages (ARCH401 and ARCH402 in semester 1 and ARCH403 and ARCH404 in semester 2), where students work through critical architectural projects that traverse the full range of scales, from the urban strategy to the design of an urban building, to its finest technical details.

This year the city of our study was, for the second consecutive year, Budapest, Hungary, which we could not visit due to the COVID-19 travel and health and safety restrictions. The theme of the studio, *Remote [Re] Discovery* has built upon these restrictions and called students to develop tools to engage with a place they cannot visit. How can we explore, read, represent, and design for a city we cannot physically experience? What are the media that architects have in their hands today to understand the multiple realities of cities at a distance? What are the material, cultural, political, economic, and environmental capacities of the city that we can unmask and reprogram in this manner, and how can we develop interventions that release them and make them productive in new ways? Throughout the year we engaged with local agents; we studied the city's deep history through text, maps, photographs and videos; we drew and re-drew its multiple layers; and, we modelled its endless potential. Under this framework, the three studios developed different methodologies and programmatic approaches. Ultimately, Budapest became trope to enquire what a Central European city is and how it may be reimagined in the context of complex contemporary challenges.

Alongside the studio, taught modules in *Urban Design Theory*, *Practice Management & Contract Law*, and *Sustainability in Practice*, provided further support to students' academic development, while *Research Methods in Architecture* prepared them for the writing of their dissertation in the second year of the programme.

*ARCH405 Practice Management & Contract Law*

Jack Dunne

*ARCH406 Urban Design Theory*

Dr Fei Chen, Dr Francesca Piazzoni,

Dr Yat Shun Kei, Dr Junjie Xi

*ARCH410 Sustainability in Practice*

Dr Stephen Finnegan

*ARCH480 Research Methods in Architecture*

Dr Barnabas Calder



*Remaking Budapest*

Walid Al Jaber, Rufus Burridge, Sam Mottram,  
Harry Waudby (Winner Norwest Holst Prize)



# M.Arch4 Studio 1

## Urban Beaches: Domestic Commons

**Johanna Muszbek  
& Pietro Pezzani**

### Students names

Hamaad Akram  
James Harry Bower  
Heather Coleman  
Katie Eleanor Dodds  
David Mathew Grant  
Dean Joseph Moore  
Donia Mursi  
Fadime Sanli  
Chin Fung So  
Lewis Scott  
Washington  
Yue Zhu

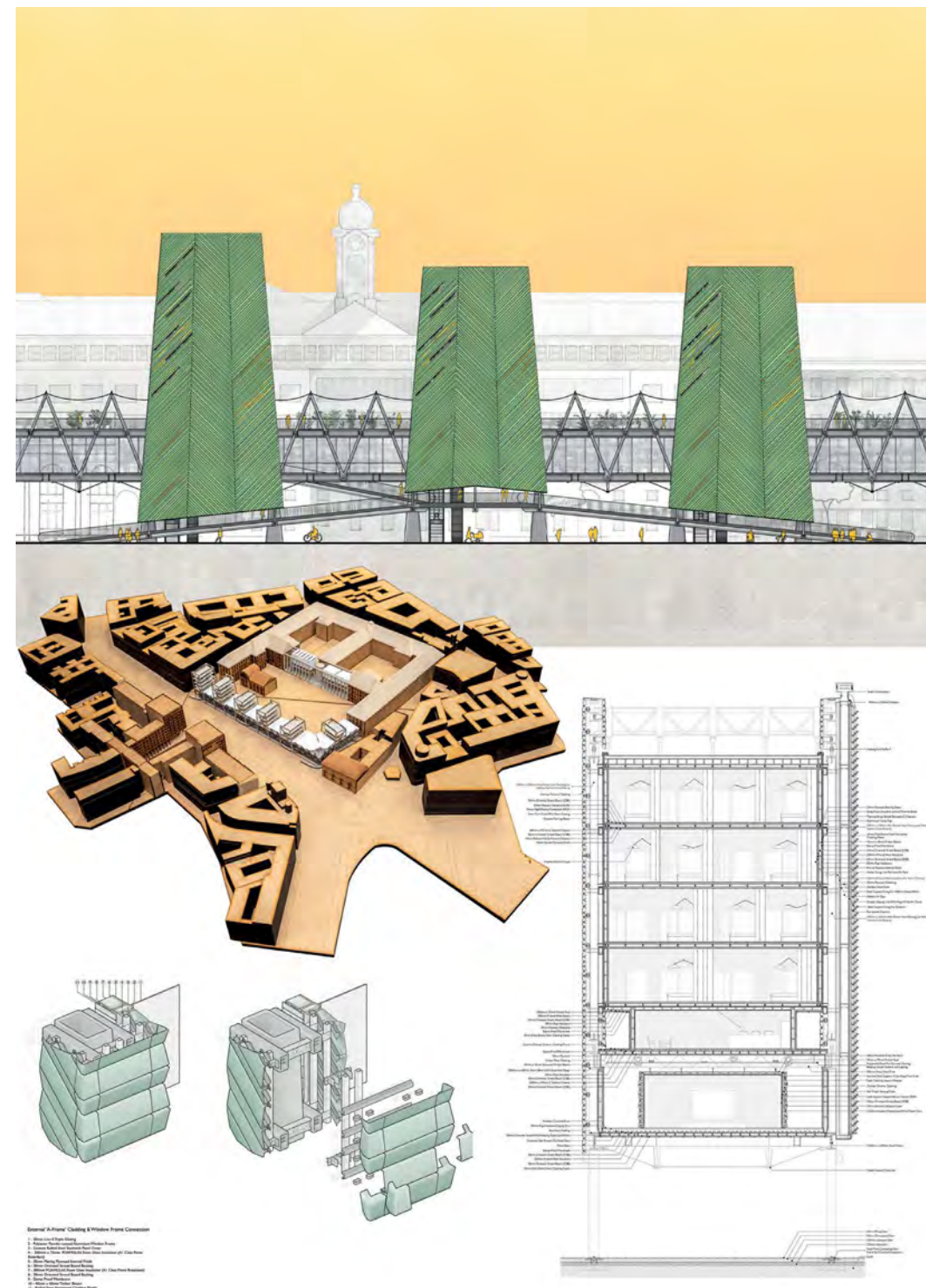
Urban beaches are exceptional public spaces. A place of leisure between sea and land, natural and built environment. They are a celebration of everyday life. A place where the city takes time off and plays. A place where domestic routines are exposed in public. An urban beach is a kaleidoscope, displaying a perpetually changing pattern of city life. Here, structures, objects, pieces of homes, games, social norms, and codes of behaviour mix in a seemingly spontaneous yet highly choreographed configuration. Beaches are both spaces and events.

Budapest is the capital of a landlocked country with no seashores. The studio used the “beach phenomenon” as an operative term. As we explored ideas around public/civic space, the question posed was: what lessons can we learn from this urban typology? In the field of towels, beach beds, coolers, umbrellas, and personal objects, how are the private-public boundaries negotiated? Can beaches teach us how to address the reciprocal relationship between the public and private realm?

In this context, the first semester’s civic space design tackled domesticity in the public realm. In the second semester the studio flipped the order as they developed housing proposals as part of the city’s public infrastructure.

Five themes through which the urban beach can be analysed were extracted, producing a comprehensive brief to discuss public and domestic space:

1. Ownership/politics
2. Infrastructure
3. Urban form
4. Temporality
5. Nature/Environment



*Rehoming Ateliers*

*Elevation, model, technical section, and technical detail*

*James Bower, David Grant, Lewis Washington (Winner Building Management Prize)*

*Winner P S TYSON Prize*



## M.Arch4 Studio 2

### Space and Narrative: an exploration of city narratives and spatial immersion through literature & film

**Ronny Ford  
& Professor  
Richard Koeck**

#### Students names

Alfie Ashburner  
Zita Constance  
Belderbos  
Meelad Sami Faris  
Julia Grzesiak  
Chetan Karadia  
Stuart Frederick Lee  
Alice Lilley  
Naristha Naicker  
Adam Szyman  
Lewis Topping  
Michael Witherwick

Have you ever had the feeling, while reading a novel, a piece of non-fiction, a poem, or a short story, watching a movie that you are inside a structure built, knowingly or unknowingly, by the writer or filmmaker? We are not referring to the reader's natural process of imagining and visualising the locations described in the text, but the clear sensation of being immersed in a space – literary or cinematic space – built by somebody else. In fact, the studio argues that there is a clear relationship between space/architecture and storytelling, and good architects often approach architectural design with an understanding of narrative and structure.

It is hardly an original proposition, but some of the best critical histories of urban life, and some of the most powerful representations of buildings and cities, are arguably not produced by urban or architectural historians but by novelists and filmmakers. Literature and film can enrich our understanding of place, illustrate the phenomenal logical character of the city in an immediate and pressing way, and simply evoke the most precious of things, the atmosphere and experience of urban life, of moving and being in time and space.

The studio looked at the city as “narrative construct” that exists as much in reality (hard city) as well as in the minds of dwellers, on-site observers and off-site consumers (soft city). Hence, we used spatio-temporal techniques and methods to explore architecture and the city. Students were trained to see the city with different eyes; learned about the architectural tectonics of texts/films/games as well as the narrative structures/qualities of place.



*Gallery of Art in the Expanded Field  
Elevation, sketches, plans, and renderings  
Julia Grzesiak*



# M.Arch4 Studio 3

## The Future of the Past

**Dr Marco Iuliano**  
**Valentino Capelo**  
**De Sousa**  
**James Jones**

### Students names

Hasanain Ali Al-Jawad  
Walid George Al Jaber  
Aidil Faiz iBin Supaat  
Rufus William Anthony  
Burridge  
Jacob Chawner  
Uladzimir (Vova) Duniak  
Samuel Hall  
Magdi Khalil  
Samuel James  
Mottram  
Joseph Riordan  
Ismail Tamimi  
Harry Sean Joseph  
Waudby

The contemporary arena of architecture seems dominated by trends identified with specific terms that are in the region of the 'here and now': words like sustainability and innovation are often used with superficial and opportunistic meanings to fund or justify projects in a politically correct way. Without denying or neglecting the importance of these topics for the public good (if properly framed), the studio aims to rediscover the fundamentals of architecture, which should form the basis of any intellectual argument for thinking and making.

Le Corbusier's position on the relationship between human and nature, just after WWII, could still be a significant starting point so as, in the first instance, to relate ourselves to a given context. The analysis of how this relationship operates, should anticipate any modification of the natural and of the built environment:

*In this time of upheaval, we must discover the constructive principles of man and the*

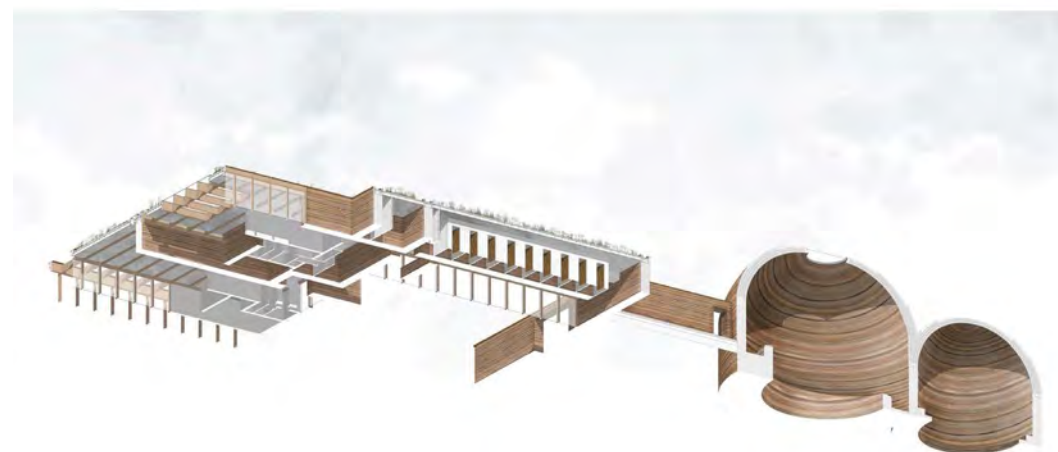
*environment: essential man and profound nature. Man is a product (perhaps the highest)*

*of nature, and is consequently a mirror of it; nature, a part of the cosmos [...]. Human work*

*should reflect solidarity with the work of nature.*

Then, column, capital and composition: our cities are full of objects and of concepts that form the vocabulary and the grammar to write architecture. Are we in control of these devices that have influenced our way of perceiving and thinking architecture for millennia? In order to renew their use today, we need to understand how they were conceived and how they evolved.

In the past the classical language of architecture was used to define surface and space, power, social status and authority. Critically interpreting this language, together with the consideration that the human being has to be harmonic with the environment, we can devise a meaningful approach for the future of architecture.



*Connecting the Shell*  
Elevation, axonometric drawing, models  
Jacob Chawner, Sam Hall, Magdi Khalil, Joseph Riordan



## M.Arch Dissertation

**Dr Patrick Zamarian**

M.Arch  
Dissertation  
Module  
Co-ordinator

*Dissertation Tutors*

Dr Ataa Alsalloum

Dr Aikaterini

Antonopoulou

Dr Fei Chen

Dr Han-Mei Chen

Dr Daveed Chow

Emma Curtin

Ben Devereau

Dr Jiangtao Du

Jack Dunne

Alex Dusterloh

Peter Farrall

Dr Stephen Finnegan

Ronny Ford

Anna Gidman

Dr Marco Iuliano

Professor Iain Jackson

Dr Yat Shun Kei

Professor Richard Koeck

Dr Stephanie Koerner

Dr Randal Lawrence

Dr Christina Malathouni

Dr Haniyeh

Mohammadpourkarbasi

Johanna Muszbek

Pietro Pezzani

Dr Francesca Piazzoni

Lucretia Ray

Dr Torsten

Schmiedeknecht

Dr Mary Shepperson

Dr Nick Webb

Dr Junjie Xi

Dr Patrick Zamarian

How can the architectural profession tackle racism, ableism and androcentrism? What can we learn from nature to promote a more sustainable building production? How can we address the needs of visually impaired children and people who suffer from mental health problems? Is there a future for collective housing, and how do we avoid the failures of the past? What to do with our built heritage?

These are just some of the intriguing questions that have been tackled in this year's dissertation work. Some students focused their research on local issues, making the most of the wide range of resources available to them at the University and in the wider city region. Others chose their case studies in countries as far and wide as Germany, Italy, Poland, Cyprus, the Czech Republic, China, and Bangladesh, with several students using the relaxation of lockdown rules to carry out research in their home countries over the summer.

The students' written dissertation in the first semester of MArch 5 is the outcome of a sustained intellectual effort that starts in the methodology module of the previous semester, where students formulate a research proposal and are paired with a suitable supervisor to give them advice and guidance throughout the process. Though they collaborate closely with their supervisors, students are encouraged to take full ownership of their dissertations. Their topics and emphases are thus a reliable barometer for the changing mood and priorities of a generation of architects shortly to enter our profession.

The thematic and geographical spread of our dissertation work is a distinctive feature of our school and reflects the diversity that exists within it. This has been particularly noticeable in the past academic year, which saw an unusually large graduating cohort. 37 members of staff were involved in supervising and assessing the dissertation work of 65 students – roughly twice the number than in previous years. I commend our students for producing work of generally high – and sometimes exceptional – quality.

## M.Arch Dissertation: Safeguarding Liverpool's Historic Urban Landscape: Assessing the Impact of Past, Present, and Future Urban Developments on the Waterfront's Post-Industrial Heritage

**James**

**Alexander Hole**

M.Arch5

*Dissertation Tutor*

Dr Ataa Alsalloum

*Winner RIBA*

*Presidents*

*Dissertation*

*Pier Head and*

*Mann Island: historic*

*buildings and new*

*developments*

*James Hole, Google*

*Earth*

The recent de-designation of Liverpool's World Heritage Site has brought to light the impact that current developments are having on the city's heritage. James Hole's study provides a detailed analysis of the changing relationship between heritage and development on Liverpool Waterfront's Historic Urban Landscape over the past forty years. James explores this relationship by using a new heritage impact assessment methodology which analyses the impact that developments have had on three core values: Integrity, Authenticity and Outstanding Universal Value. These values are assessed by comparing elements that have not been brought together in previous methodologies, ranging from urban to architectural elements and their tangible and intangible domains. In addition to the heritage impact assessments, James carried out interviews with experts on the Liverpool heritage context to deepen the understanding of the impact of developments. He chose three case study areas for closer analysis: the adaptive reuse of the Albert Dock Complex (1981-88), the Pier Head Developments, including the Museum of Liverpool and Mann Island Buildings (2007-2013), and the Stanley Dock Conservation Area, including the Stanley Dock Complex and the Everton Stadium proposal (2021 onward). James concludes that adaptive reuse schemes have proven to be successful on the Waterfront's historic urban landscape, whereas urban interventions have shown to have a harmful impact on heritage. To gain a better

understanding of how Liverpool can strengthen its grip on safeguarding heritage, he recommends that additional research be carried out on Liverpool's historic urban landscape, with the inclusion of additional development case studies and the study of successful cases of urban interventions in historic areas in other cities.





## M.Arch Dissertation: Urban and Social Transformations in Post-War New Towns: The Case Studies of Stevenage and Nowa Huta

**Gabriela Grodny**  
M.Arch5

*Dissertation Tutor*  
Dr Patrick Zamarian

*Winner Tarn*  
*Dissertation Prize*

Gabriela Grodny's dissertation examines the urban and social transformation of two post-war Eastern and Western Bloc new towns: Nowa Huta in Poland and Stevenage in the United Kingdom. It discusses their administrative framework, political background and ideological influence on the new town urban image. Drawing upon a broad range of literature and archival sources, Gabriela analyses the social background of the first residents, their first experience of the new urban environment and their active response to the urban design imposed on them by their respective governments. By evaluating historical maps and newspaper articles as well as correspondence deposited in local archives, the dissertation traces and classifies the urban transformation patterns instigated by the residents of Stevenage and Nowa Huta. Through a comparative study of case studies on either side of the Iron Curtain, it finds common themes regardless of political circumstances: new living conditions, residents' background, employment, future plans, and a demand for places to meet their social needs. Both towns were subject to multiple strikes and social actions to satisfy their inhabitants' social and architectural aspirations. Gabriela argues that such community activities significantly contributed to the creation of an urban transformation pattern: the construction of an excessive number of buildings with identical social functions.



*District Plan of Nowa Huta, 1960*  
*Nowa Huta Community Archive*  
*Network*

## M.Arch Dissertation: Biomimicry: a catalyst to future underground (re)development?

**Ho Fung Lee**  
M.Arch5

*Dissertation Tutor*  
Dr Daveed Chow

Underground spaces have been accommodating human activities since the Stone Age. Yet contemporary designers no longer consider them due to stereotypes and technological limitations. Given the shortage in land supply, Ho Fung Lee wonders whether it might be time to re-discover these spaces for future architectural interventions with the aid of biomimicry, a problem-solving tool that over time has successfully inspired designers to overcome a wide range of challenges through innovative strategies. Underground spaces have protected countless lives in human history, and they have greatly improved transportation efficiency, notably through the development of the famous London Underground in the late nineteenth century. Some of these spaces are being forgotten while new developments are being announced every second. Ho Fung's dissertation aims to uncover the lost stories that are hidden in an abandoned station of the Tube and suggest potential environmental strategies for underground spaces based on the study of precedents around the world. Interviews with experts as well as members of the public suggest that the idea has broad support; the main reasons why so many re-development projects remain on drawing boards are the high costs involved in executing them as well as the reluctance of developers to engage with a medium with which they are not familiar. Even though contemporary technologies could

*Down Street disused*  
*tube station*  
*Courtesy of Ian*  
*Mansfield,*  
*ianVisits.co.uk*



solve some of these issues, Ho Fung predicts that the time for financially sustainable underground developments is yet to come.



## M.Arch Dissertation: Community-First Living: Identifying and Assessing Local Strategies to Resist State-Led Gentrification

**Daniel Aston-Clarke**  
M.Arch5

*Dissertation Tutor*  
Emma Curtin

According to the Department for Communities and Local Government, in 2019 an estimated 1.11 million households were on the waiting list for social housing; the Office for National Statistics meanwhile recorded only 60,300 dwellings built between 2017-2018. These stark figures evidence today's social housing crisis in England. It is this crisis that forms the backdrop to Daniel Aston-Clarke's dissertation. Following an analysis of how and why this crisis has arisen, his study focuses on contemporary regeneration/state-led gentrification schemes which envisage the demolition of council estates, resulting in the wide-scale decanting of residents. The objective of Daniel's research is to identify and assess local strategies adopted by residents to resist regeneration. He identifies two suitable case studies to pursue this objective: the Heygate Estate in Southwark and Cressingham Gardens in Lambeth. His research is informed by relevant literature and digital resources as well as two interviews conducted with key stakeholders, one with Geraldine Dening from 'Architects for Social Housing', the other with a resident campaigning to save Cressingham Gardens. Framed by the notion of 'community-living first' – once formerly enshrined in social housing policy and today a major driver behind estate communities resisting gentrification – Daniel's dissertation affords new insights into strategies relating to the language and communication

of regeneration; political climate and the timing of resistant actions; self-organisation; social value, networks and skillsets; and the imaging/publicising of estates.

*Lyrics of the song 'Moved On' by Jimmy Aldridge and Sid Goldsmith, written in response to the disenfranchisement of communities as a result of urban regeneration (2017)*

I'm not worth the land that I live on  
Though I've lived here for all of my life  
Three generations have rooted me here  
Now I'm shipped off and kept out of sight

This place has been changing for many years now  
So much has been lost, too much has closed down  
It's harder to find somewhere to be still  
And there's nowhere to be without spending

(Aldridge and Goldsmith 2017)

## M.Arch Dissertation: CITY vs BODY: Did modern planning movements develop as a response to the perceived threat of female sexuality?

**Bonnie Jackson**  
M.Arch5

*Dissertation Tutor*  
Anna Gidman

Even in the earliest texts on the foundations of Western society (Eve and Lilith in the *Book of Genesis*, the myth of Pandora's Box, Plato's writings, and so forth), the female body has historically been pitted in opposition to the 'reason' and 'order' of the polis and the city – the whole of civilised society. This is contrarily declared a genius produced by the 'rational mind', which is distinctly 'male'. The masculine represents consciousness, mind, omniscient presence, whereas the feminine – stressed in its physicality as a 'body' – is placed in the spatial realm as a constant threat to the fabric of society. With (historically male) architects and planners occupying a position of authority over the physical realm, from the onset of modernity the conflation of 'female body' and 'problematised city' requiring design, intervention and ordering by male rationale became an oft-repeated metaphor in urban proposals. In her dissertation, Bonnie Jackson explores how nineteenth-century planning doctrine conflated 'sick' cities specifically with the bodies of female sex workers, and how the drive to perform 'urban surgery' on said city/body exposes a male anxiety with female sexuality, demonstrating a crusade to control women's desire. Drawing

on a range of disciplines, she divulges how ideas surrounding women and the female body were socially constructed in relation to spatial practices. This social history forms the context for individual case studies relating to cities, urban proposals, and planning movements, which she uses to test her claims and hypotheses. Bonnie concludes by highlighting the controlling effects that sexist ideologies have had upon limiting women's spatial and social mobility.

*Cover image*  
Bonnie Jackson





## Johanna Muszbek

M.Arch5 year lead

### M.Arch5 staff

Dr Alkaterini  
Antonopoulou  
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Munitxa  
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Helen Roberts  
Neil Swanson  
Josef Maria Garcia-Fuentes  
Richard Partington  
Michael Wilford CBE  
Nicholas Ray  
Ian Ritchie CBE  
Michael Cunliffe  
Brian Hatton

## I. What? theme

\*An original design thesis needs to be both experimental and rigorous, responding to

- an actual problem(s): Topical
- or by developing solution that anticipates certain problem(s): Speculative

The thematic direction will be proposed by the LSA research groups is in line with their current investigations and thematic interests.

1. Urban Form and Social Space (Katerina Antonopoulou, Francesca Piazzoni, Juliana Kei)
2. Archiam (Soumyen Bandyopadhyay, Giamila Quattrone, Mary Shepperson Claudia Briguglio, Matina Vrettou, Konstantina Georgiadou)
3. Moving Image and Digital Realities ( Richard Koeck, Hamid Khalili)
4. Pragmatic Theories (Marco Iuliano)
5. Housing Research Group/ Houselab (Johanna Muszbek, Rosa Urbano, Pietro Pezzani)
6. History Conservation and Heritage (Iain Jackson)
7. Northwest Urgencies-Thinking Practice (Jack Dunne, Peter Farrall)

## II. How? method

In research by design methods, the experimental process is ensured by finding the right design tool(s). The design tool is a medium through which the thesis is represented and discourse constructed.

To develop their own design methodology, relevant to their chosen topic, students will be offered a series of workshops.

Workshop leads have a unique interdisciplinary research based practice with an experimental design/artistic process.

### A. Film (Monika Koeck)

Analytical filmmaker, documentarist, focusing on 'space' and 'screen space' as a narrative expressive element.

### B. Installation (Johann Arens)

Artist, uses installation and video to survey the documentary properties of public interiors and their inherent social textures.

### C. Body and Performance (Emma Hoette)

Designer, choreographer, performance artist, experimenting with relationship between body and space.

### D. Visual Anthropology (Kata Soos)

Artist, Anthropologist, focuses on visual experiences as qualitative methodologies in cultural anthropology.

### E. GIS Cartographies: Data Visualisation ( Biayna Bogosian)

Architect with a background in environmental design, computational design, data science, spatial science, immersive media design.



*She Was Just Walking Home*

Installation Photo

Molly Fitzpatrick, Phillipa Mack, Ka Ho Tang



# She Made It Home

Molly Fitzpatrick  
Phillipa Mack  
Jester J Abayari  
Daniel Aston-Clarke

*Thesis Tutors*  
Dr Francesca Piazzoni  
Dr Alkaterini  
Antonopoulou

*Thesis Critics*  
Dr Frances Holliss  
Sebastian Aedo  
Dr Maider Llaguno  
Professor Iain  
Jackson

*Special thanks*  
SLDAS (South Liverpool  
Domestic Abuse  
Services), Georgina  
Baines (Principal  
Landscape Architect at  
Planit-ie)

*Molly Fitzpatrick  
Winner Graham  
Saunders Memorial Prize  
for contribution to the life  
of the school*

In 2021 there were 177 cases of femicide in England and Wales; in cases where a perpetrator was charged 92% were male. Moreover, whilst sexual violence against women that results in death is the most serious and heinous of crimes, this is only one form of violence women are subjected to. In the year ending March 2020 there were 618,000 recorded cases of sexual assault, 9% of which occurred in public space.

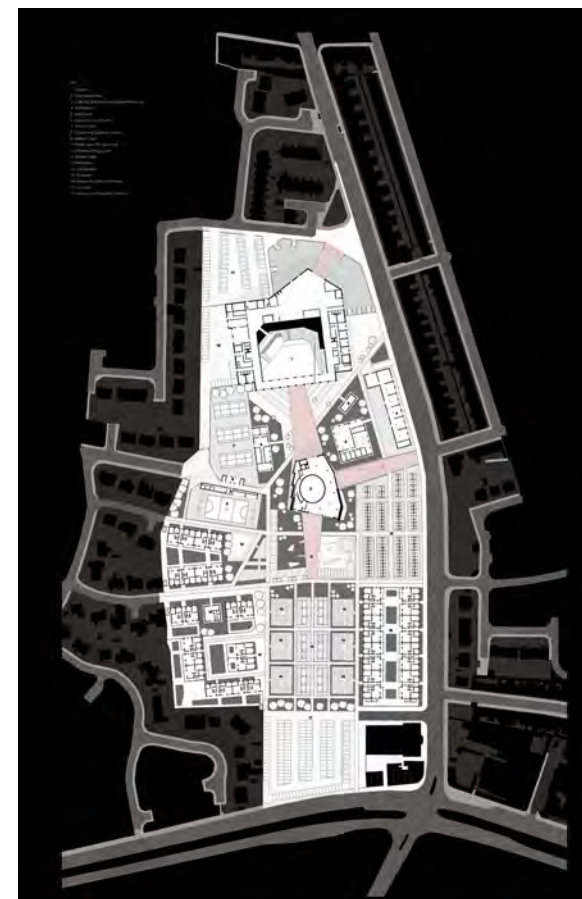
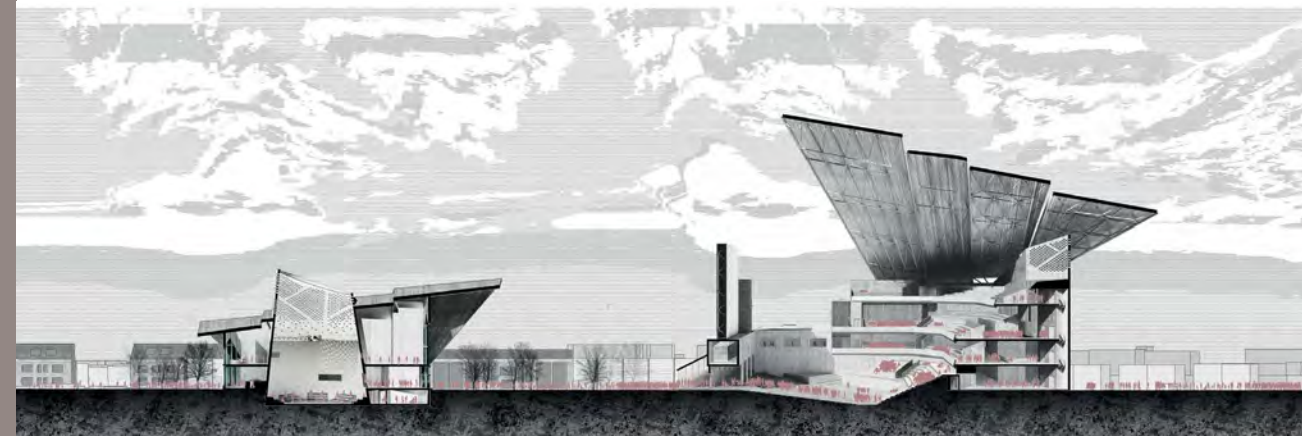
By highlighting the statistical data wrought out from an assault, we call upon architects to reconsider how we design our built environments. Ultimately asking: how may architecture and urban design mitigate against sexual violence, ensuring women's safety in public space?

In light of this aim, testing was conducted in Anfield, one of the worst affected wards for sexual offences in Liverpool. Building upon urban scholar, Vania Ceccato's framework for designing safety, the following factors were considered (alongside urban design parameters):

- (1) Planning solutions targeted at the 'neighbourhood structure' – developed and enforces by partnerships between 'municipalities, police, community groups and local actors',
- (2) secondly, features of high-crime neighbourhoods – 'lack of natural surveillance, empty properties, a lack of public facilities'.

Research into the socio-economic conditions of Anfield renders significant issues that resonate with Ceccato's work. A significant factor of which has been the land speculation policy of Anfield Stadium. Since the early 1990s, the stadium has continued to expand its seating capacity. Given the stadium was neighboured by blocks of terraced housing however, this process would require acquisition of ordinary people's homes. Rather than openly engage and negotiate with these residents, Liverpool FC would purchase these dwellings via a third party. Post-sale properties would then be left abandoned, thus engineering dilapidation, and increasing crime in the area.

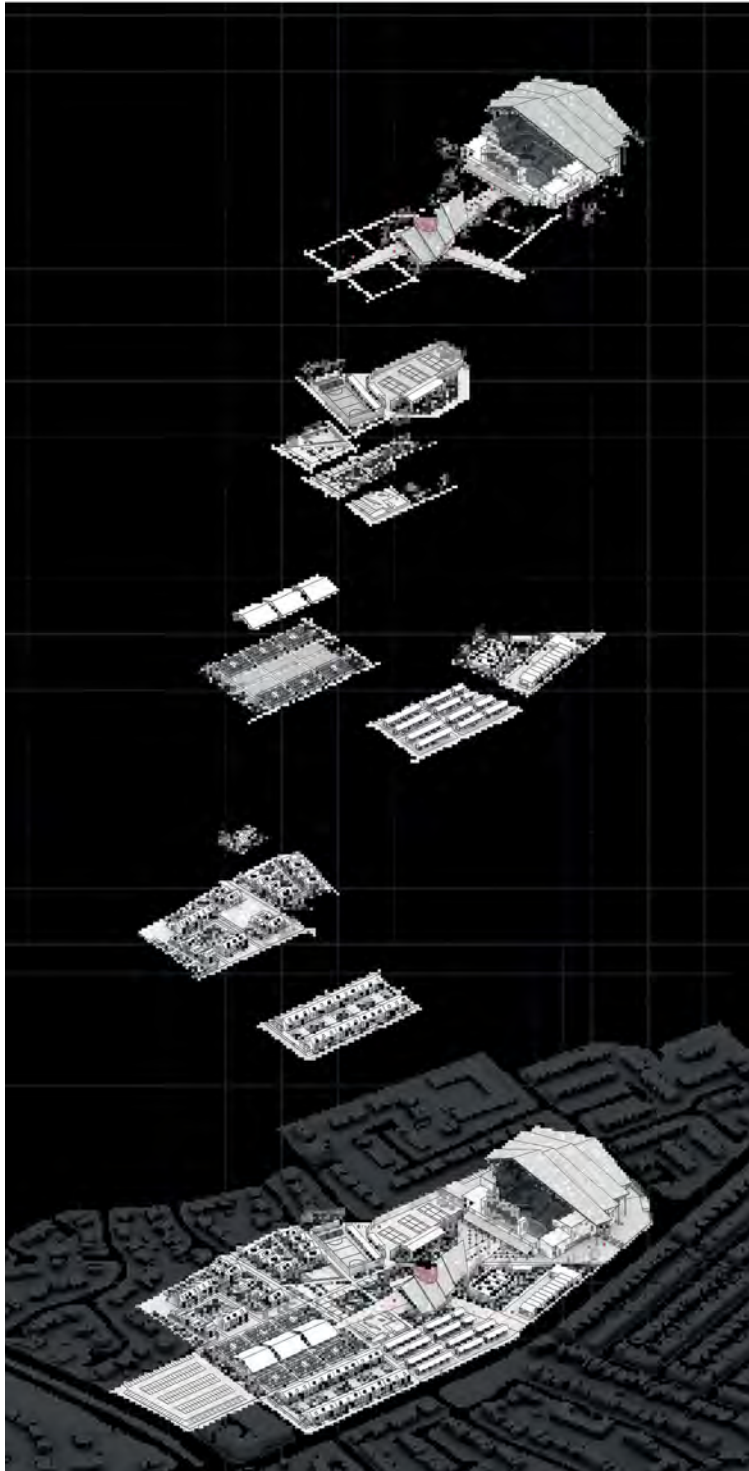
To counteract the effects of Liverpool FC's actions, which have propagated crime, we have proposed a scenario in which their recent stadium extension would be relocated. Rather than isolating this new increased activity within the stadium grounds, it would be displaced to a site at the end of the high-street. This intervention would provide another anchor point — the first being the Anfield stadium — which would increase footfall on the high street in-between. Beneficially it would facilitate a greater success for local businesses to take root and incentivise investment into regenerating abandoned units. And also, these people provide natural surveillance, reducing the likelihood of a perpetrator committing sexual assault.



*Perspective Section / Site Plan*

CGI





Isometric  
CGI



*Dispossession of Anfield*  
CGI



*Abandonment of the High street*  
CGI



## Rethinking Schools: Urban Playgrounds

Ka Ho Tang

The first road service station in the UK was born in 1959. It used to be a way to show off, bold architecture built next to or even above the freeway. However, it currently is a “public toilet” place, a building without a soul, with no one willing to stay except if they are hungry and other physiological needs. With the development of technology, the transformation of transportation, and the opportunities brought by electrification or even automation. This thesis argued architects can once again remake this inconspicuous place on the edge of the city into a special place and match it with the upcoming transformation.

### *Thesis Tutors*

Dr Francesca Piazzoni  
Dr Aikaterini Antonopoulou

This project improves sustainability and mobility by imagining possible new technologies in the future such as on-site production and storage of renewable energy, shared autonomous transportation systems, robotic logistics distribution, etc. The thesis aims to create this new system and guidance prototype for the future motorway station to reference. At the same time, balancing the need for the private car owners and lorry drivers, everyone will be treated as same and equity in the newly designed station area. The interior spaces and circulations of the building are specially designed to maximize the encounter and communication of different groups of people.

### *Thesis Critics*

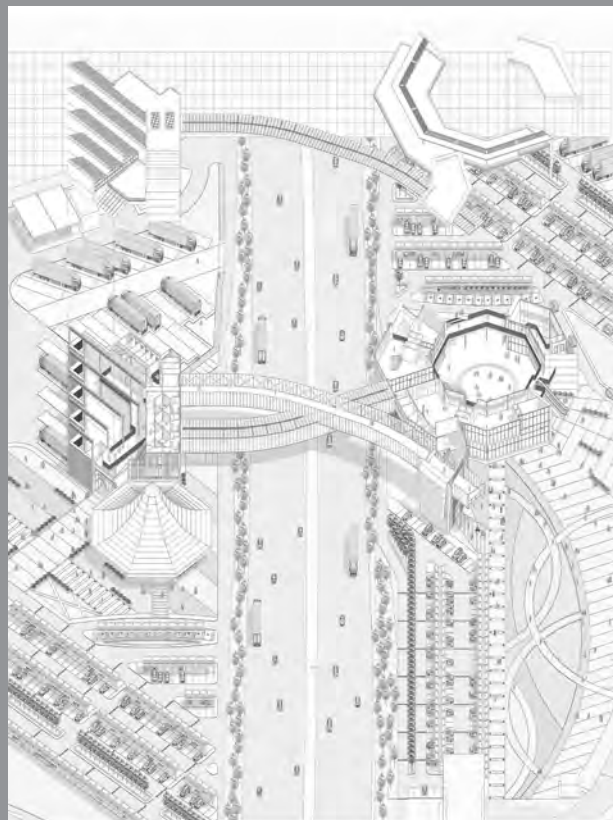
Dr Frances Holliss  
Sebastian Aedo  
Dr Maider Llaguno  
Professor Iain Jackson

This service area will become a place where machines and humans coexist in the future, and the building will serve them at the same time, providing energy, transportation, entertainment and recreational space for all passing drivers and passengers, as well as the vehicles they drive.

### *Special thanks*

Thank you to both of my thesis tutors Dr Katerina Antonopoulou and Dr Francesca Piazzoni for their support throughout the project, and thanks to everyone who helped me.

*Overall Visual*  
CGI



## Rethinking Public Spaces

Malyah Younis

Focusing on Blackburn town centre, this thesis projects looks to redefine public spaces in an unconventional way.

The primary objective of this thesis was to challenge traditional public spaces, by proposing the use of innovative interventions to create colourful and playful spaces that aim to improve and encourage social interactions within the community. The blend between architecture and public art was implemented in the design with the intention to enhance the public realm and its appearance. It is not only about how green our surroundings are, but also about whether the architecture and streetscapes are pleasing to the eye. It is because we as a public feel better when we find ourselves in what we regard as beautiful surroundings because when we are in these spaces they bring us happiness and positive feelings and this influences the quality of life these surrounding convey.

### *Thesis Tutor*

Dr Yat Shun Kei

### *Special thanks*

Thank you to Dr Yat Shun Kei for your continued support throughout this thesis project and to my parents Samina & Wasim Younis for their constant support and positive encouragement.



*External View of the Community Hub*

CGI



# Homelessness: Providing long-term solutions through Architectural Design

Farokh Damania  
Callum Ross

*Thesis Tutors*  
Dr Francesca  
Piazzoni  
Dr Aikaterini  
Antonopoulou

*Thesis Critics*  
Dr Frances Holliss  
Professor Iain  
Jackson  
Noor Ragaban

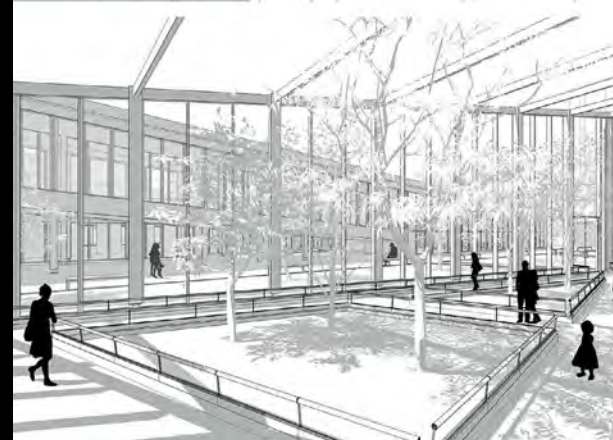
*Special thanks*  
We would like to  
thank Dr Aikaterini  
Antonopoulou and Dr  
Francesca Piazzoni  
for their support and  
guidance throughout  
the duration of our  
thesis design project.

Homelessness is a real and growing social issue on the streets of Liverpool with 2,287 people being registered as homeless in August 2021. Strategies implemented by Liverpool City Council, such as the introduction of 'No Second Night Out' and 'MainStay', focus mainly on an early prevention and intervention approach. However, they fail to focus on long-term strategies aiming to combat the issues surrounding homelessness. Our thesis aims to address these underlying issues by providing long-term and sustainable solutions to fit the current urban and socio-economic context of Liverpool.

The selected site for intervention is located behind Liverpool Central Station and has unique characteristics, due to being sunken below the surrounding street levels by 6-10m and has high stone walls surrounding it, which creates an element of secrecy. Our urban and site analysis showed that there are opportunities to play with the privacy of the site by creating new entrances. The public ramps and platforms provide a connection to our proposed public and private spaces. The public ramp also offers a shorter route to Central Station.

The core of our sustainability strategy is the proposal of a new green space to regenerate the site. To make way for the green space, some of the existing buildings on site had to be demolished and we analysed how we could potentially reuse or recycle the materials. The proposal comprises of two main buildings, a greenhouse along with public and private ramps. The massing and design of the proposal reflects the wider triangular context of the site and its boundaries. The public zone accommodates shops and a cafe to encourage community involvement with the site and also helps in generating income to run the homeless community. The semi-private zone accommodates specialist services to support the homeless, such as financial advice and healthcare; and the private zone accommodates the co-living community. Cedar cladding and a glulam primary structure form part of the thesis environmental strategy.

What makes this proposition unique from previous homelessness schemes is that it offers a tailored programme to the individual circumstances of new users to set them up for their future. As a part of the economic strategy, the semi-private zone has skill-building workshops to enhance the service user's employability. There are also opportunities to work in the shops and cafe, which can develop transferable skills and promote community cohesion.



Longitudinal section / 3D Visuals  
CGI



# Feminist City: A Typology for Activism

Gemma Bartle  
Bonnie Jackson  
Victoria Robertson

*Thesis Tutors*  
Johanna Muszbek  
Pietro Pezzani

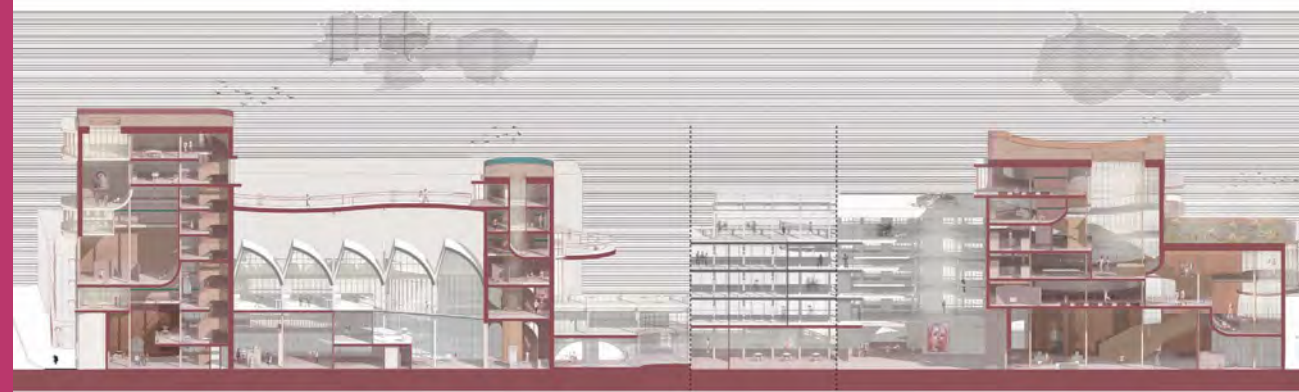
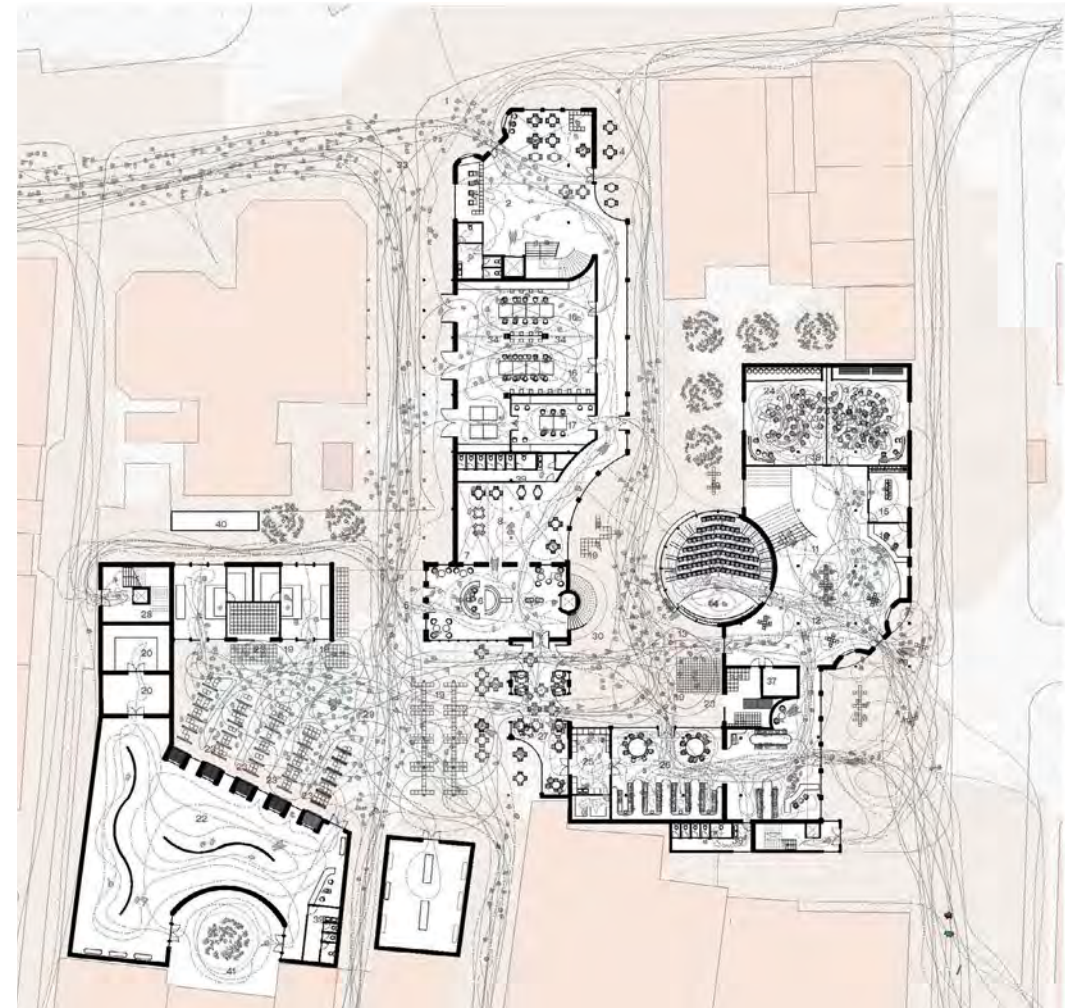
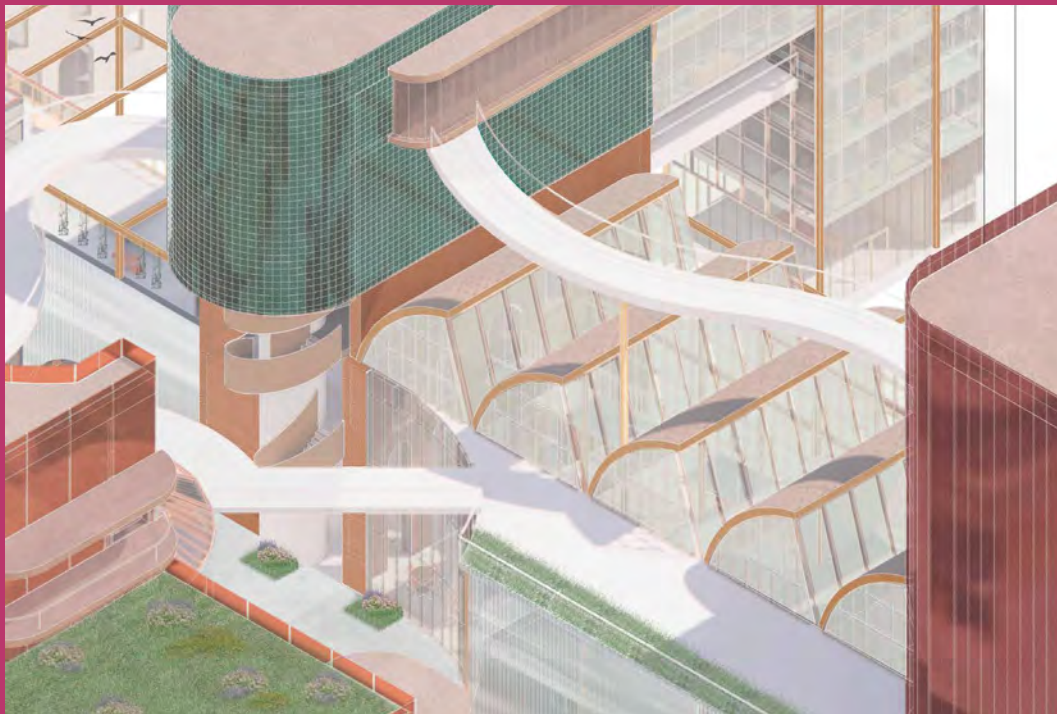
*Thesis Critics*  
Dr Frances Holliss  
Sebastian Aedo  
Dr Maider Llaguno  
Professor Iain Jackson

*Winner Architects  
Journal Student  
Prize*

*Visual  
CGI*

Our research began initially with Christine de Pizan's 'The Book of the City of Ladies', which helped us envision how to work allegorically in order to navigate the present day issues women have. By applying a feminist lens to post-covid society and the city centre, we have identified the Central Business District within Liverpool as the site in which to situate our project, rebelling against the historically patriarchal context.

Throughout history, social, economic and environmental activism has been the central root of any political change regarding women's rights. Women's protest movements have occupied buildings and public spaces to make their voices heard. This project looks to rethink and create a new typology for political engagement, activity, co-work and co-living surrounding current 4th wave activism debates. Our situated design provides a testing ground to pave the way for new discourse and a typology of city-space. Working at different scales to analyse forms of discussion and change-making – from around the kitchen table to the public space of the streets, and then the digital realm – our proposal focuses on programme-led architecture providing a multitude of community services to tackle gender equity issues. With public spaces for political engagement becoming ever-more scarce due to Government regulations, and women still finding it harder to protest for equal rights due to time-poverty, our intervention activates this programme within the city and society. "No cause can be won between dinner and tea."



Ground Floor Plan / Sectional Perspective  
CGI



## Life Back to Future

Yuchun Lin  
Xinyue Tian  
Zhengcheng He

Urban villages refer to traditional villages that remain in urban areas. It is a unique phenomenon that emerged in urbanization in mainland China. Shenzhen is a large city that emerged in the 1970s. Extremely rapid urban development and a substantial economic shock have brought this unique urban village phenomenon to the city.

Our research confirmed a public space pattern based on the street grid in the urban village, which makes the space in the urban village have extremely high attractiveness and efficiency. The project takes Baizhizhou urban village in Shenzhen as the stage. We hope to use this public space pattern as the design thesis to realize a high attractiveness and multi-functional urban block renewal project.

Thesis Tutor

Dr Juliana Yat  
Shun Kei

Our hypothesis is: Some of the current Shenzhen urbanization issues can be discussed through the concept of “street public space pattern” from the urban village. Nowadays, mega cities in China, including Shenzhen, are facing issues such as gentrification, urban space, low attractiveness and functional simplification. Our project aims to achieve an urban planning and architectural design solution that brings the vibrant street life of the past back to the future and the sustainable development of the entire urban fabric.

## Guest Critics

Ian Ritchie CBE  
Michael Cuniff  
Ronny Ford  
Juliana Kei  
Dr Fei Chen

The early design policy of urban planners was to give priority to demolition, while the current strategy is to regard urban villages as part of the urban fabric and carry out micro-transformation and partial renewal of existing urban villages. However, the Baishizhou urban village is currently being demolished. The concept of our thesis design is to debate the demolition plan.

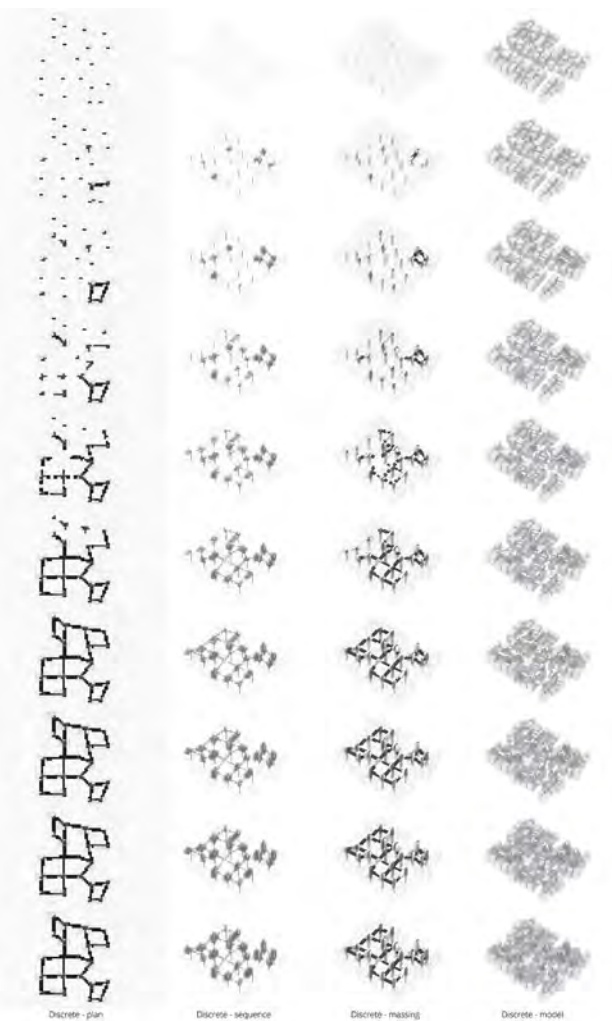
The design will adopt a combination of discrete and modular design methods, including urban and architectural scales. It should be noted that the purpose of the design is not the organic growth of the existing urban village but the establishment and development of a street-based public space network while emphasizing the space equity and sustainability of the urban fabric. Furthermore, the design will improve the quality of space in the existing urban village. Propose a vision of a possible future city.



Street View at night

CGI





Unit aggregation diagram  
CGI

Axonomic View  
CGI



Perspective Views  
CGI



## In Search of the Civic: A network of Public Amenities in the Baltic Triangle

Helena Kate Sarney

The thesis project is a network of civic functions developed within the interstitial space of the Baltic Triangle, Liverpool. The scheme seeks to contest the local plan by supplementing the current housing developments in the area with much needed facilities for the growing community. Furthermore, this thesis draws on ideas regarding the civic economy to explore how community, education and commercial factors can influence a sustainable neighbourhood, whilst mitigating the interests of existing business owners and rising land prices.

*Thesis Tutors*  
Dr Francesca Piazzoni  
Dr Aikaterini  
Antonopoulou

The Baltic Triangle is a previous industrial hub that is experiencing a huge population growth. The area is also undergoing a change in use, from its former industrial warehouses to a residential area with fledgling businesses emerging. As a result there is an obvious juxtaposition between the new elements and the pre-existing industrial heritage.

*Thesis Critics*  
Dr Frances Holliss  
Professor Iain Jackson  
Noor Ragaban

Liverpool city council has earmarked many sites within the area for regeneration however the majority of developments proposed and completed are high-rise residential complexes. The type of accommodation provided has also mainly catered for a young and an often transient population which compromises the future sustainability of the area. As a result, developers are causing rises in land prices that risk the displacement of existing small businesses. Additionally, the absence of civic facilities proposed further perpetuates the unsustainable population growth.

*Special mentions or thanks*  
A special thanks to my  
tutors and Johanna  
Muszbek

Focusing on just one site within the network this thesis explores design opportunities on a brownfield site formally accommodating industrial buildings despite today being a carpark and an area of green space. The green is largely unused due to the lack of purpose and the way the elevations meet the land gives an unwelcoming experience. As a result the project seeks to frame the space whilst the civic buildings act as an extension to the public realm.

When travelling outwards from the city centre, the site is at the entrance to the Baltic Triangle and the project seeks to make a statement to celebrate the intent of the proposal. It positions itself to act as a signpost to locate yourself within the city. It does this by arranging its programme on a series of grids framing views to buildings of Civic Pride within the city.

Whilst acknowledging the importance of the buildings presence within its context, the proposal is designed in a way to reawaken a historic axis that has been left unused. By reappraising this axis, it highlights an existing route that was once used to travel from Duke Street through to the Docks. Providing a series of civic facilities along this route gives new purpose to the journey and encourages people to move through the Baltic Triangle differently, thus enhancing street activity and vitality.



Visual  
CGI



# Jumpers for Goalposts

James Budd  
Daniel Gayle  
Finn Hulbert

*Thesis Tutors*  
Mary Shepperson  
Lucretia Ray  
Luke Bushnell-Wye

*Thesis Critics*  
Peter Farrall  
Professor Richard  
Koeck  
Dr Hamid Khalili

Brought together through a deep-rooted passion for community sport, our group has actively sought out ways in which architecture can help create a more sustainable platform for the continuity of grass roots initiatives.

Our initial explorations took place under the guidance of the ArCHIAM research group focusing on a town called Drama, Greece, an ancient settlement developed over time following major events, typically through changes of rules and religion. By analysing, across a range of scales, a community that has undergone dramatic social, economic, political and/or cultural shift, our aim was to more clearly understand any change in the urban fabric. Highlighting key events and studying their impact on the present built form.

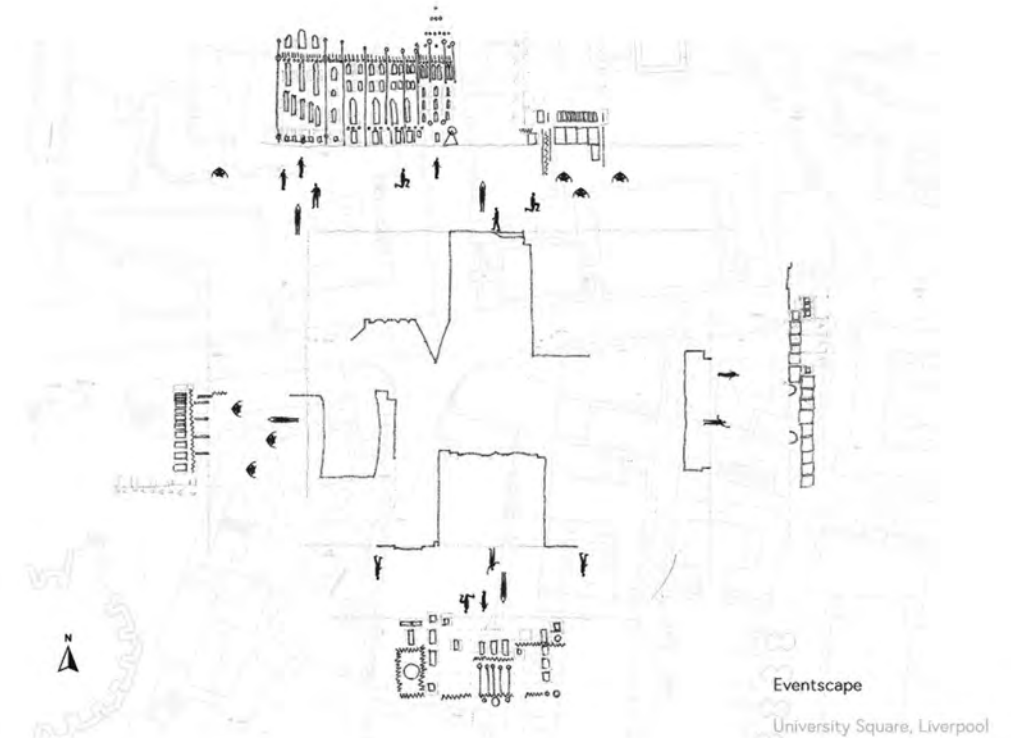
Following a Body and Performance workshop with Emma Hoette, we began developing a research methodology which would allow us to analyse the architecture at a fundamentally human scale. Too often are modern event spaces dictated purely on practicality at the expense of the experience. Our methods focused on painting an 'Eventscape' through human movement in relation to the surrounding architectural fabric. By analysing space through a series of scores (explorations with defined parameters), we began to be able to understand a more apparent relationship between people and place during event and non-event modes.

At the time of our research method development, we were in contact with tutor and 1874 Northwich F.C. board member Luke Bushnell-Wye. Early conversations regarding the history and development of Northwich exposed surprising references to Drama and our explorations in Greece. Both towns share ancient pasts. These similarities allowed us to use our methodologies to approach our current thesis, looking at how exercising grass roots sport and leisure interventions as a catalyst for community rejuvenation and increased pedestrian activity can create an active network for existing residents to feel a greater topophilia with Northwich. Our emphasis lies heavily on the scales and temporality of the spectacle and spectator. Using architecture to create a more dynamic user experience, ultimately creating a more sustainable future for sport and leisure in Northwich.

Our project has analysed thoroughly and responded respectfully to the historical and cultural history of Northwich. Using our research methodology to develop a coherent and in-depth design response has enabled the proposal to be dynamic and responsive to the needs of the existing Northwich community, with a focus on social and environmental sustainability to ensure the future proofing of the town's leisure scene.

## *Special thanks*

We would like to express the utmost gratitude to our tutors Lucretia Ray, Luke Bushnell-Wye and Mary Shepperton, who have pushed our concept and theories to guide us through a final semester we are very proud of. We thank them for the time and energy they have invested in our thesis project. We are also extremely grateful for the recognition of the requirement for a break room in the School of Architecture. Without the provisions for leisure in the building, our health and well-being would have suffered greatly and we hope this is retained and improved moving forwards. Finally, we express our fullest appreciation to the University of Liverpool's School of Architecture for supporting our research and development.

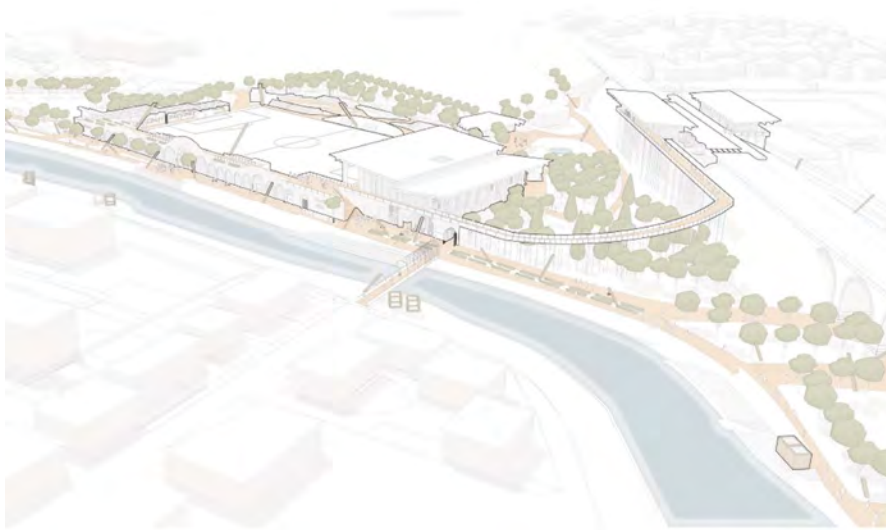


*Mapping Space  
and the Built  
Environment in  
Relation to the  
Human Body  
Hand Sketch*

*Modeling the Relationship between Human Movement and  
Built Environment during Historic Events  
Model*



Isometric  
Visualisation  
CGI



Visuals  
along the  
Processional  
Route  
Hand Sketch



The Future  
of 1874  
Northwich  
'Going to the  
Match'  
CGI

## Dream of Dorset: An Ecological Residence

Fariha Arefin

*Thesis Tutor*  
Dr Juliana Kei

*Thesis Critics*  
Professor Jack  
Dunne

Michael Cuniff  
Ian Ritchie CBE  
Dr Fei Chen

*Special thanks*  
Special mentions  
to Juliana and  
members of LSA

The restriction to live within our four walls caused by the recent global pandemic affected the mental health of many around the world. Disconnecting us from the outside world, limiting us from nature and greenery. Furthermore, at a macro-level shrinking the many aspects of a country's economy, including the tourism industry and the UK, were not indifferent, as it drastically declined, especially during the first lockdown in March 2020.

Through the current ease of travel restriction, the proposal intends to provide an ecological residence and comprehend how nature with architecture may impact the well-being of individuals and potentially create a sense of community. Overall, enabling us to reconnect to nature and our loved ones on a deeper level, providing an opportunity to take a break from our recent rigid lives and a means of mental peace.

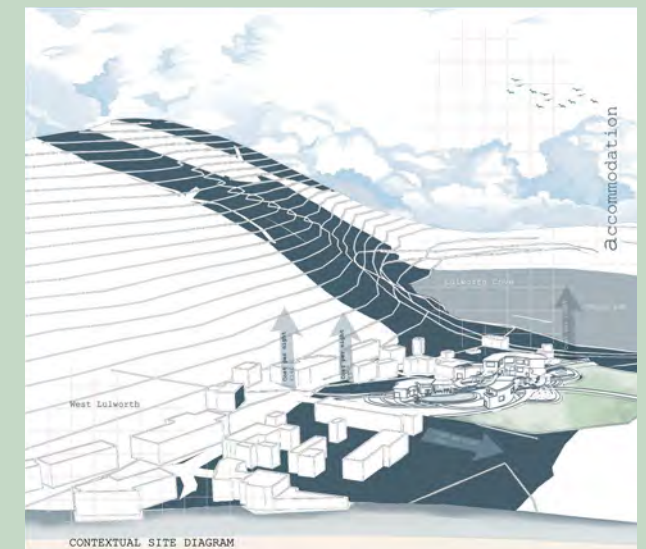
Hence, the research intends to investigate whether setting principles through the indication of potential design phases can promote the creation of a community through organic growth and via the integration of nature with architecture? Also, will the widespread introduction of an ecological residence influence and increase the level of ecotourism in the region?

Furthermore, the research hypothesis is that through the provision of an ecological residence, the level of tourism will potentially increase, which has fallen drastically due to Covid-19, specifically in the form of ecotourism. Moreover, the implementation of integrating landscape and architecture will increase the level of well-being by providing an opportunity to experience nature and a sense of community. Thereby, this will potentially aid our mental health.

The synopsis of this thesis cover three main aspects firstly, the use of an organic form, depicting the organic architecture. This will allow individuals to connect to nature, and secondly, allow the exploration of the surrounding views from all angles while increasing the fluidity in materiality. Moreover, the integration of landscape and architecture will further increase the connection and relationship to nature.

Finally, the mixed building use will increase human activity and circulation, leading to efficient use of space and efficient cost.

*Ecological  
Residence –  
An integrating  
of landscape  
and  
architecture*  
CGI





## Cultural Preservation and Celebration in Babylon

Annette Gathingo

*Thesis Tutors*

Dr Mary

Shepperson

Lucretia Ray

*Thesis Critic*

Peter Farrall

*Special thanks*

Neil Swanson

(Landscape  
Institute)

Professor Soumyen

Bandyopadhyay  
(ArCHIAM)

The proposal is a heritage and cultural centre situated on a flat Greenfield site near the UNESCO World Heritage site in Babylon, Iraq. The scheme offers research facilities and private accommodation for archaeological teams. It also enables mass education about ongoing heritage management activities through the auditorium, by hosting events concerning discoveries as well as a gallery where replicas of vital artefacts can be displayed and the stories of local Iraqis who have participated in archaeological expeditions, can be told. The scheme also promotes tourism by serving as a starting point for a proposed boat cruise northwards along the River Euphrates, to the heart of the heritage site where most of the excavated ruins are situated. The river cruise can also be used by research teams heading back to the scheme with artefacts for further research. Local residents are encouraged to experience the scheme through the proposed pedestrian bridge connection with the opposite riverside in Hillah town. This morphs into an elevated walkway within the landscape which is adjacent to the well shaded seating steps that stretch on the western frontage, and borrow from the 'Hanging Gardens of Babylon' mythology. The elevated walkway has branches which provide additional shading in conjunction with the vegetation mainly date palm, with the walkway ending up at a view point on the eastern façade. Adjoining to this, is a food and retail section where cultural and religious norms have been respected with a separate women only space. The scheme relies heavily on vernacular typology mainly the courtyard design that provides thermal comfort in this high temperature region as well as the use of flat roofs, buttresses for structural support and fortification and the adaptation of the 'Mashrabiyyah' or enclosed balconies. The proposed scheme would be built predominantly of local fired clay brick which has a yellow sandy tint. Certain section including the gallery and auditorium spaces are proposed with precast concrete due to their need for long pillar free spans. The scheme adds value towards cultural celebration in Babylon as it provides an additional venue for the Babylon International Festival which was on hiatus between 2002 and 2020, while bringing closer to home archaeological research facilities to enable better heritage management in Babylon, through UNESCO in partnership with the Government of Iraq. The project would be managed by the SBAH (State Board of Antiquities and Heritage) under the Ministry of Culture, Tourism and Antiquities.



Sections, Elevations,  
Renders and Materiality  
CGI

## Blast Resilient Architecture in Conflict Zones: Looking at A Post-Conflict Future for The Residents of Avdiivka, Ukraine

Harley Bryant

*Thesis Tutors*

Dr Mary

Shepperson

Lucretia Ray

*Thesis Critics*

Helen Roberts

Neil Swanson

Josef Maria

The thesis examines the Donbas area and the military demarcation line between pro-Russian separatists and the Ukrainian army. Events in Ukraine's Donbas regions of Donetsk and Luhansk in 2014, which culminated in an armed confrontation between Ukrainian government troops and Russian-backed separatists for control of these areas, influenced an investigation into the establishment and impact of the contact line. Between then until early 2022, the conflict claimed the lives of around 14,000 persons.

The city of Avdiivka, situated north of Donetsk, has been a critical position for both sides from the commencement of the armed confrontation in 2014. The "Industrial Zone" (located in the eastern part of Avdiivka) was designated as a buffer zone between Donetsk People's Republic-controlled territory and Ukrainian army territory. Residents of Avdiivka are insurgently threatened by pro-Russian separatists engaging the Ukrainian army.

The thesis' premise investigates a hypothesis in which the conflict has ceased, but borders remain and new housing for displaced persons is needed. The project's primary emphasis is on robust residential housing that can mitigate deterministic threats if they re-emerge in the unstable area.

The programme designed is for a new typology inside the area that can safeguard and prolong the survival of its inhabitants in case of restarting hostilities. The improved resilience of the proposal is intended to be an inviting feature that makes it easier for displaced residents to return. Throughout the design process, the aesthetic balance between security and wellbeing was investigated.

SW Isometric  
CGI





# Don't Panic!

Rachel Cummings  
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Ashni Patel  
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## Thesis Tutors

Dr Hamid Amouzad  
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Neil Swanson

## Special thanks

Dr Hamid Khalili  
Professor Richard Koeck  
Han Wu  
Kushagra Jhurani  
Nick Stath

Winner RIBA Presidents  
Silver Medal – part 2

Winner Charles Reilly  
Medal

Gifted a new spotlight by the recent Covid-19 pandemic, Panic Buying is a topical phenomenon described as 'the buying of large quantities of a particular product or commodity, due to sudden fear of a forthcoming shortage or price rise'. Despite its newfound relevancy, our thesis group discovered that that this subject was yet to be thoroughly investigated from an architectural lens.

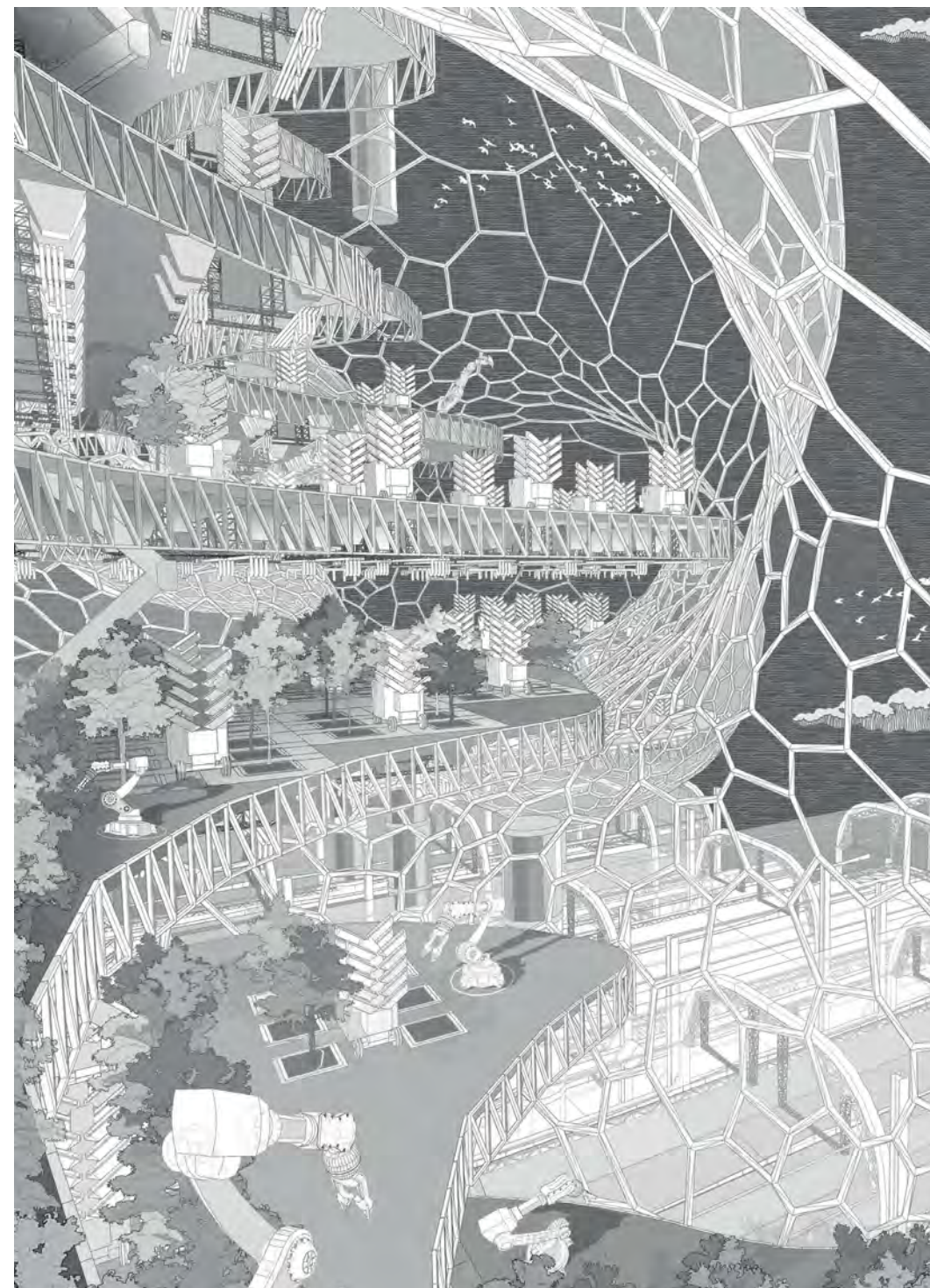
Although panic buying may seem like a relatively minor affliction in today's world, it could also be viewed as a symptom of the wider failings of the UK's consumer infrastructure. Our investigation revealed distinctly architectural ramifications, both at the scale of the supermarket, and much further afield into the layout of our cities, and the structure of our global trade networks. The topic of panic buying, therefore, resides within a large architectural discourse.

For our Thesis, our group aimed to investigate the hypothetical consequences of transforming our consumer industry into a system designed to curtail panic buying, and the other fragilities which currently exist. As a critical commentary of the existing conglomerate paradigm, this project provides a necessary, pre-emptive response to the present insubstantiality of our consumer trade network.

Our thesis introduces 'The Atlas Tower' – a self-sustaining mega-structure, which provides food for its residents in an efficient, yet regimented system. This structure exists within a hypothetical future-Liverpool and is, at its core, a utopian design that interlaces dystopian qualities in order to question – but not solve – the existing fragility of food production, and the future of sustainable living.

As part of the Cinémethods studio, our thesis group was challenged to employ a cinematic approach to our design methodology. Because one of our intended outputs for this project was the promotion of a discourse surrounding the panic buying phenomenon, this somewhat unconventional approach was highly successful, as the medium of film lends itself to the communication of ideas.

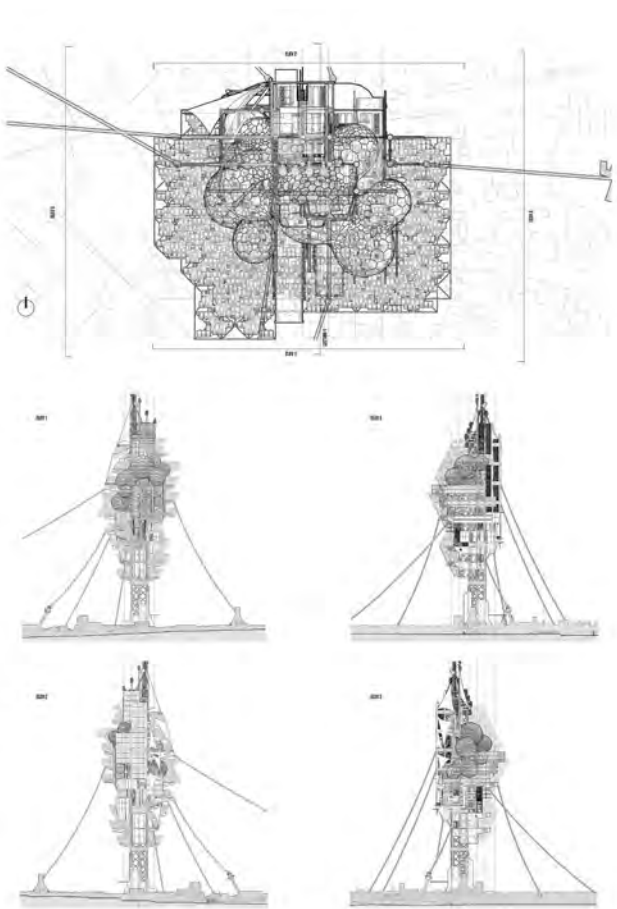
Ultimately, this project is critical in that it brings to attention the highly topical, yet largely overlooked, phenomenon of panic buying, and the far-reaching societal structures that influence it. By formulating a hypothetical future-Liverpool, the existing fragilities within the consumer trade network were explored without the expectation of resolution, or the limitations of our existing systems. From a societal viewpoint, this investigation has revealed that there are many benefits to growing food close to the population; however, doing so exposes an entirely new set of vulnerabilities that have intense social consequences.



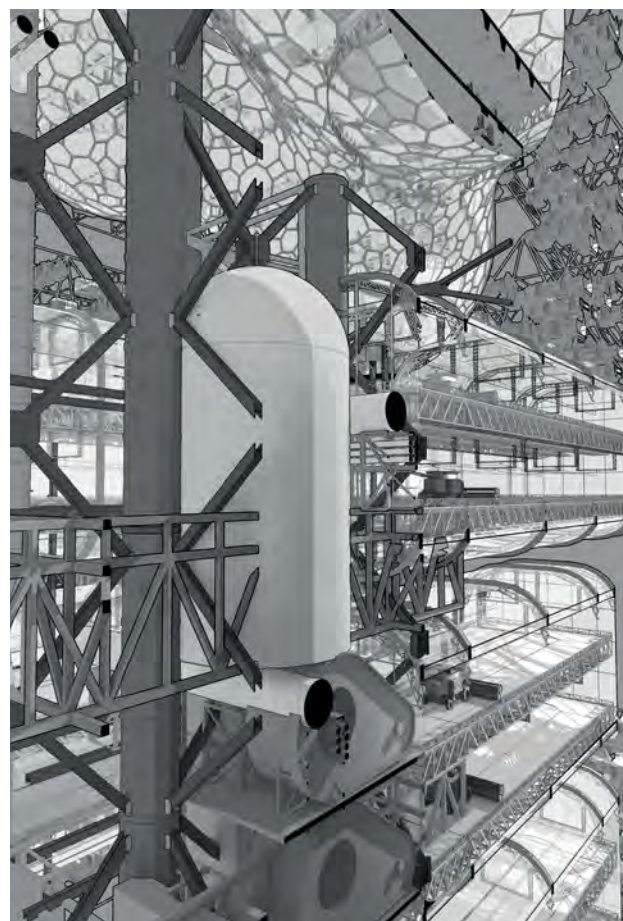
*The Atlas Tower: Internal Perspective*

CGI





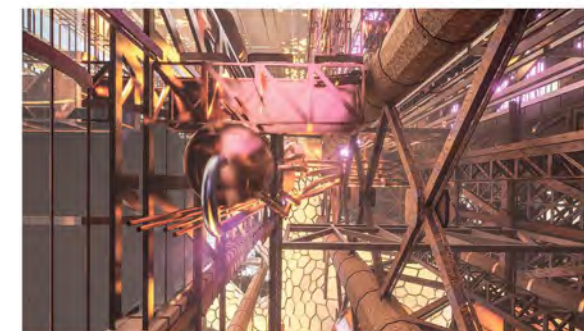
*Plans and Elevations*  
CGI



*Sectional Perspective*  
CGI



*Don't Panic! Cinematic Poster*  
CGI



*Visuals*  
CGI



# Planning with Purpose

Abdullah Zafarullah  
Somon Montinari  
Stanley Smith

In an era that lacks the clear definition or movements of the past, architecture has lost its connection to the city and instead finds itself being used as a tool to maximise a developer's investment. Liverpool's Local Plan outlines a positive vision for the city's future. Viewing the Local Plan through an architectural lens, development typologies can be knitted into the city's fabric.

*Thesis Tutor*  
Dr Marco Iuliano

In the first instance, we attempted to gain knowledge of the urban planning processes. A Local Plan is formed as a document that informs all subsequent planning decisions. We used our research of the Local Plan to extract and form 6 Key Principles that we have used on our site as a testing ground for applying these principles.

*Thesis Critics*  
Johanna Muszbek  
Pietro Pezzani

The Key Principles are:

Historic Environment

Urban Grain

Prevailing Routes

Street Typologies

Public Realm

Building Typologies

*Special thanks*  
Thank you to Dr Marco for all his time dedicated to us as a group & for his expertise in the field.

The site is selected based on the location of the developers reoccurring typologies in the city. Our site in Ropewalks was then used as a testing ground to investigate each principle. The principles provided a tool kit to form our design and start developing it accordingly.

Statistics collected of capital gains of developers have shown hotel developments especially to have an average capital gain of 32% across 10 years. Our proposal should be gaining exactly half the percentage as we will have half the number of rooms available.

To calculate the community gain we used the developer's floor plan to find the area of space provided for the public and have shown a comparison with the area we will be providing for the community. Our proposal has triple the area for public and community use than the developer's, proving that community gain can be achieved to this degree whilst also generating economical growth.



Realistic visual / Sections  
CGI





# The Failing Culture of a Town

Alex Ho Fung Lee  
Simon Baines

*Thesis Tutor*  
Dr Marco Iuliano

*Thesis Critics*  
Johanna Muszbek  
Michael Wilford CBE  
Nick Ray  
Pietro Pezzani  
Richard Partington

*Special thanks*  
Special thanks to  
our project critics  
and councillor  
Daniel Price  
for their insight  
knowledge, valuable  
suggestions,  
and feedback  
throughout the  
project.

In 2015 the RSA commissioned its first national survey to assess heritage and culture within the 325 towns and cities of the UK. The results placed Warrington last. This sent shockwaves through the town. It starkly highlighted that despite its considerable population of 220,000, somewhat larger than many small cities, Warrington's cultural and heritage offer fell considerably short of that provided within comparably sized towns and cities.

Our proposition is that a contemporary enhancement of the town's cultural offer, located within its heritage core, would act as a focal point for increased cultural activity and be a catalyst for the economic revitalisation of a once-thriving town centre.

Appraisal of the results from our initial research questions provided a broader understanding of both place and culture. Through this review it became evident that the area most appropriate for an intervention was the town's existing Cultural Quarter. An area which accommodates Warrington's three remaining cultural buildings along with its heritage infrastructure and fabric. Further appraisal indicated that a single building intervention could not satisfactorily address the overarching issues and identified cultural deficiencies, and that a holistic urban design approach would be a more appropriate methodology.

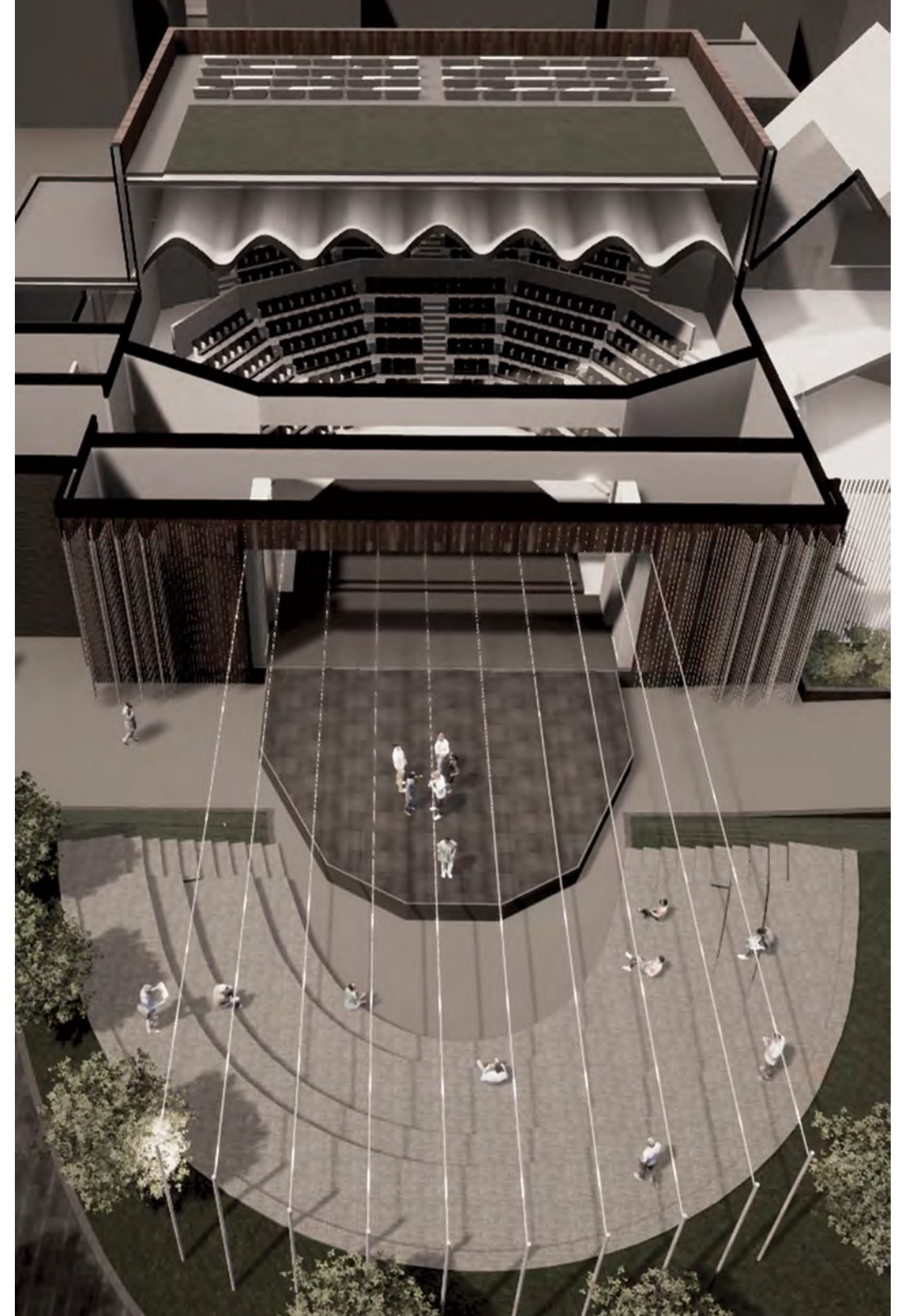
An overall masterplan for the Cultural Quarter was formulated based on three principles; rebalancing of key pedestrian links to improve legibility and connectivity, maximising pedestrian priority to encourage street activation, and the creation of an expanded cultural network.

This network proposition utilises five redeveloped buildings to address the identified cultural deficiencies and builds upon the existing network of cultural venues within the Quarter.

Further masterplan refinement led to the development of The Square; the greened redevelopment of an existing large surface carpark located to the rear of two existing cultural venues and featuring a new amphitheatre. This new square directly addressed, and was developed in dialogue with, our chosen building intervention; a 500 seat dedicated theatre, a resource the town has not enjoyed since the mid 20th century.

This intervention redevelops and extends a vacant Edwardian Registry Office and delivers a thrust-stage based theatre and a new Youth Theatre Workshop for Warrington Collegiate Institute.

Alongside the Theatre's more conventional capacity to offer internal live performance, a primary driver of our scheme was to bring the "theatre to the town". Thus, the Theatre features the ability to open-up its large performance doors, set within its façade, facilitating external live performances whilst addressing The Square's amphitheatre.



Visual Relationship between internal and external performance spaces

CGI



# Andover Estate 2022. Post War Housing Estates. Next Steps.

Jane Georgi  
Laura Roberts  
Eirini Kafa  
Yao Li

*Thesis Tutors*  
Pietro Pezzani  
Johanna Muszbek

*Thesis Critics*  
Nick Ray  
Richard Partington  
Michael Wilford CBE

*Special thanks*  
We would like to express our sincere appreciation and gratitude to our tutors and reviewers for their tremendous help, guidance and the time they devoted on our project.

*Winner Frank Horton Prize*

Hypothesis: ‘By identifying and restructuring common conditions across Andover Estate, new opportunities for its redevelopment will arise, also responding to the wider context of the site’.

Following several estate regeneration debates, this thesis uses Andover Estate in London as an exemplar site to prove that by identifying and restructuring what seems as common in an estate, new opportunities will arise for its redevelopment. Such possibilities can respond to the needs of the current and future residents of the estate, as well as the general public.

The goal of the thesis is to transform Andover Estate into a sustainable community; that being a place where people desire to visit, live and work in, either in the present or the future. A place that meets the needs of its diverse users, contributing to a higher quality of life. A place that is inclusive, safe and that offers equal opportunities to all.

To do so, the whole site of Andover was surveyed thoroughly and 3 masterplan scenarios were generated to tackle diverse objectives. By using the successful design outcomes of each, an overall strategy was created. That strategy was applied on an exemplar area through operations of big and small scales, to examine which ones could be repeatedly applicable on the whole estate. The main operations were the design of four new buildings, the ‘Corner, Cluster, Bridge and Infill’, which utilized under-used spaces in order to foster social cohesion.

Key objectives of the thesis were:

- **Densification:** How can housing estates be part of the solution to increasing the housing supply?
- **Regeneration Debate:** How can the residents of the estate benefit from the regeneration?
- **Stigma:** How can the public engage more with the estate? How can the flow of people be increased?
- **Automobile & 15 Minute City:** How can a housing estate be converted into a community that is not depended on cars?



New Operations in Andover Estate –  
Isometric / Visuals  
CGI / Model





*Visual, looking from the existing walkways*  
CGI



*Visual, Looking from the existing alleyways*  
CGI



*Perspective Section: Cluster Operation*  
CGI



# Sensory Garden

Yashna Calleechurn  
Abigail Burton-Dadd

*Thesis Tutor*  
Johanna Muszbek

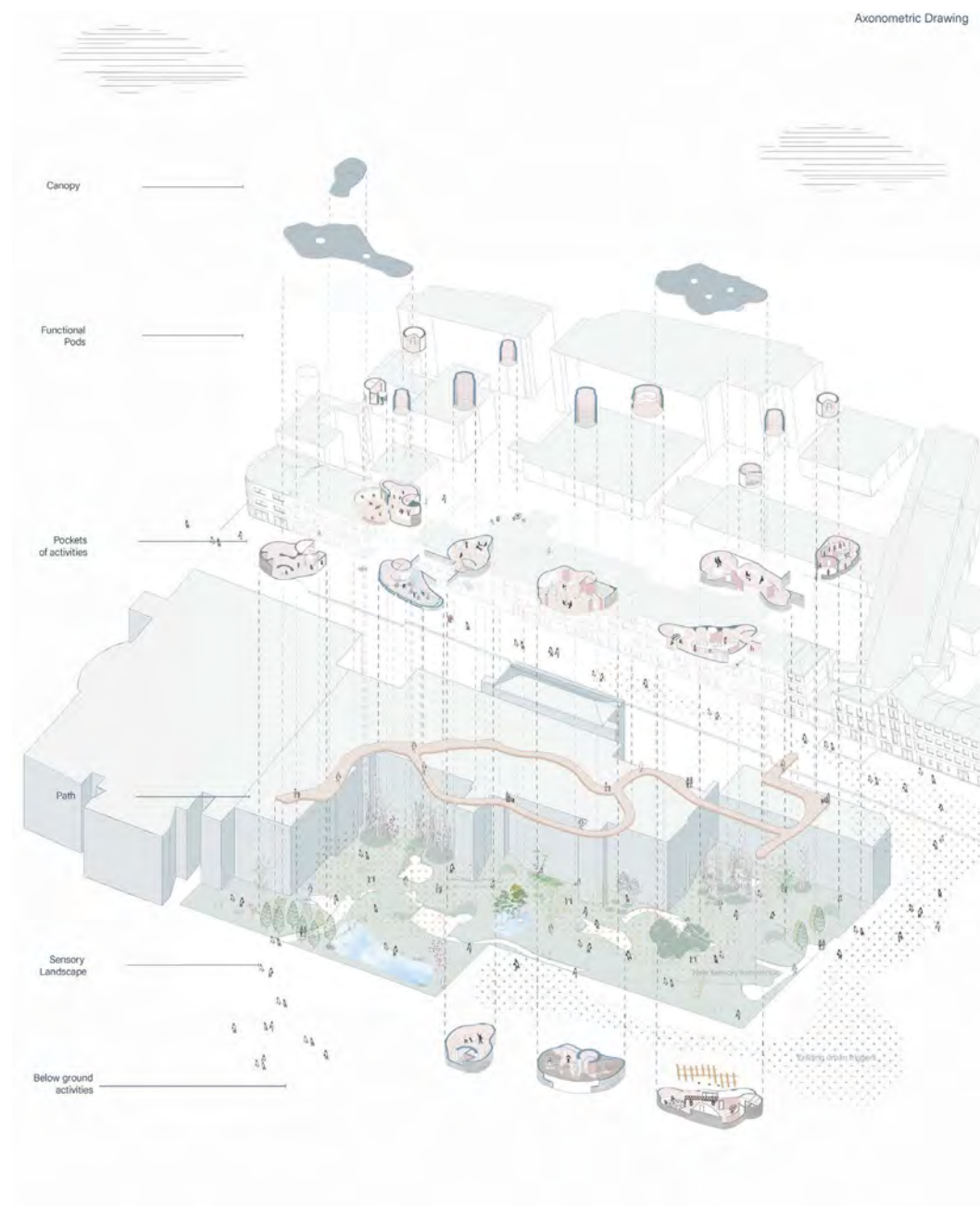
*Thesis Critics*  
Richard Partington  
Michael Wilford CBE  
Nick Ray

*Special thanks*  
We would like to thank our tutors Johanna and Pietro for their guidance and support throughout the thesis; the thesis critics for their feedback and the Liverpool University workshop team for the technical assistance.

The primary objective of our thesis was to create a new way of surveying the urban context through the lense of our senses. It began by looking into Neurodiversity, and how the neurological spectrum consists of many different ways in which the brain processes information. The social model looks at how design can accommodate Neurodiversity within society by designing for both Over and Under Sensitive individuals.

Our methodology for creating our sensory landscape focused on conducting a sensory site survey, analysing the site and identifying sources of potential 'triggers' that may affect a sensory experience. Soundscape, Smellscape, shadows and light intensity were some of the key sensory factors which we analysed in depth in order to investigate our site and understand which were the most sensitive and intensive points to intervene on. Using this design methodology allowed us to determine key areas in Whitechapel (London) which we could enhance or shelter from sensory experiences, and by taking in consideration these elements, we created an undulating sensory landscape, directly responsive to the surrounding urban triggers.

The aim of our thesis is to create a new network of playscape infrastructure which superimposes programmatic experiences with architectural specificity. The synergy between play and landscape creates a gradient of spatial altitude which promotes a variety of intensity of activities. Opportunities within the sensory landscape are encapsulated in pockets of activities which amplify or shelter from external triggers. We introduced play as an element for meaningful experience because sensory experience can't be quantified; however with the right amount of risk, perception and reactivity, we created environments which are sensory stimulating for everyone.



*Exploded Axonometric, Elements of  
Whitechapel's new Sensory Garden*  
CGI



# Reclaiming Hell

Enlai Cheng  
Charlotte  
Whittingham  
Catriona Butters  
Adam Clarence

*Thesis Tutors*  
Pietro Pezzani  
Johanna Muszbek

*Thesis Critics*  
Richard Partington  
Michael Wilford CBE  
Professor Nicholas Ray

*Special thanks*  
Firstly we would like to thank our tutors Johanna Muszbek and Pietro Pezzani for their continued support and guidance throughout the Thesis project. Secondly we would like to thank the guest reviewers for their feedback during the process.

*Winner Sikorski  
Memorial Prize*

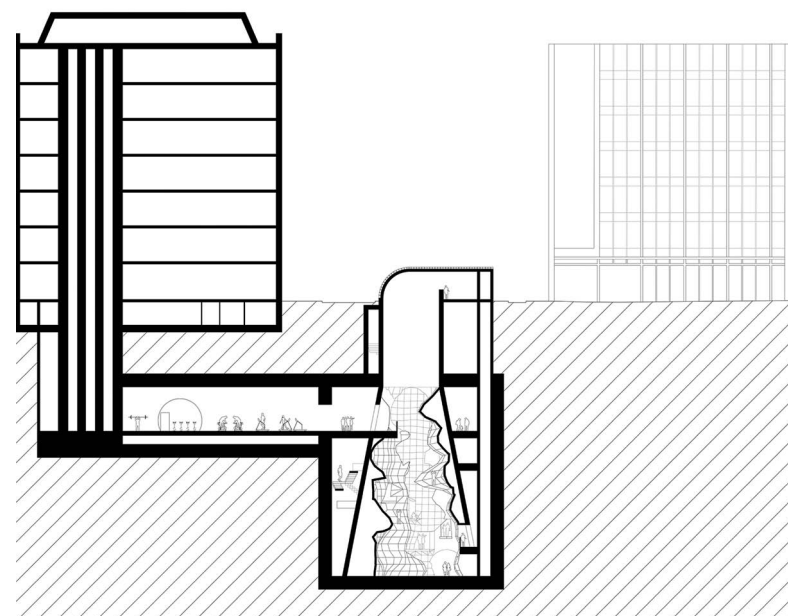
The thesis is centred on the concept of subterranean architecture and based on extensive research into underground typologies at both a global and UK specific scale. Our hypothesis claims that it is possible to create comfortable and sustainable spaces underneath the busy streets of Central London. The proposal aims to reclaim disused and underused infrastructure to provide a new underground urban typology for the public and private realm.

Currently there is a problem with urban sprawl in London, which given the city's rate of expansion is not feasible for the foreseeable future. A way to overcome this problem is to increase the density of existing areas. At present, there is two main methods on densification: building higher or filling in the gaps. Our proposal aims to reclaim disused or abandoned underground spaces, already existing in Central London, to increase density.

The proposal is threefold. First, the pedestrianisation of one side of the Kingsway Road to allow safe access to the proposal, increase outdoor urban spaces and promote sustainable travel. Secondly to provide student accommodation in the underused Kingsway Tram Tunnel to make up the shortfall in suitable dwellings within the surrounding context. Finally, to provide public buildings in the form of 'cores' which are linked to key buildings along the site and aim to provide programmes to help escape from the metropolis of London.

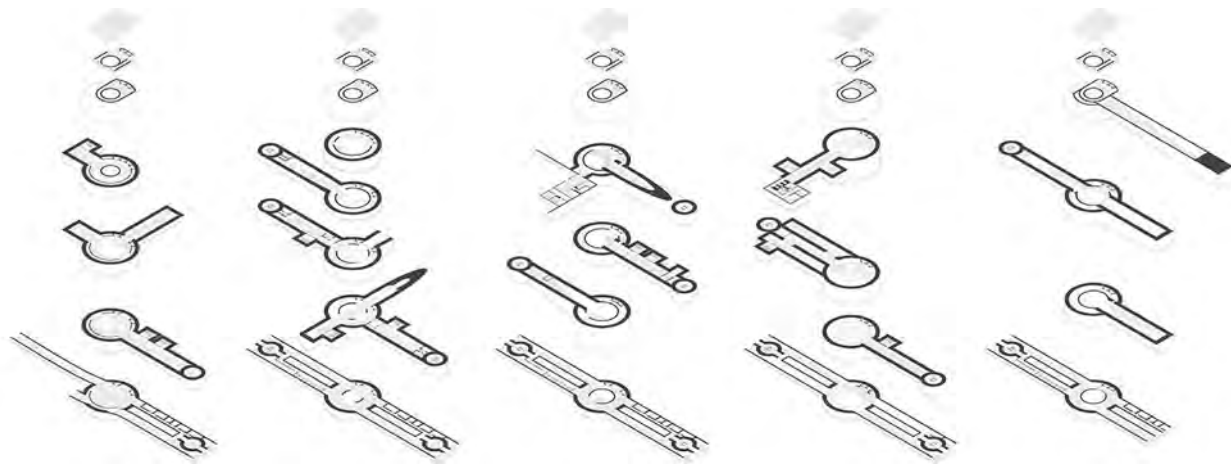


Visual  
CGI

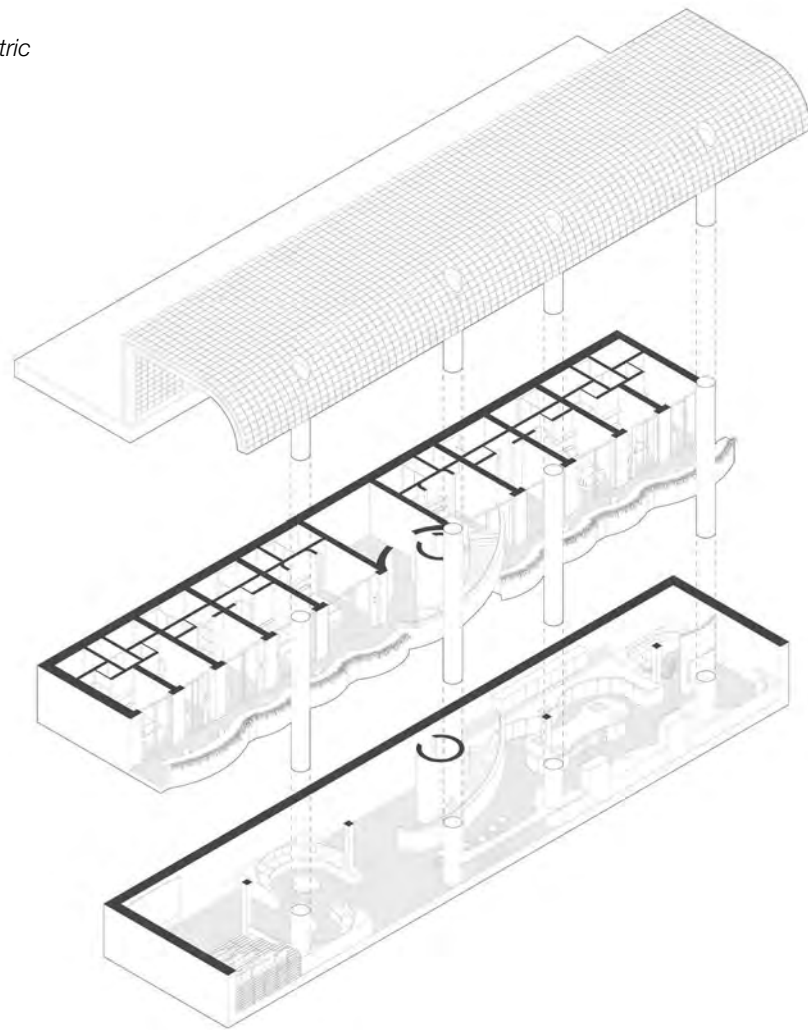


Sports Core Section  
CGI





*Residential Isometric*  
CGI



*Internal View of Residential Accommodation*  
CGI



# The Cooperative Design Manual

Callum Skinner  
William Millward  
Jason Norris  
Scott Tonkinson

*Thesis Tutors*  
Pietro Pezzani  
Johanna Muszbek

*Thesis Critics*  
Michael Wilford CBE  
Nick Ray

*Special thanks to*  
Johanna and Pietro

*Winner Sheppard*  
*Robson Jicwood Prize*

*Winner RIBA Presidents*  
*Silver Medal – part 2*

The aim of the project is to explore how the adaptable framework of community led housing and its ownership, development and participation models can create affordable homes in our ever-changing living environment. The project aimed to redistribute population density and economic growth, by using the declining shopping centre typology as a vessel that could guide cities towards a more sustainable polycentric plan.

The shopping centre was designed at the height of consumerism; however, the project explores how this can be inverted both conceptually and architecturally in order to foster post consumerist lifestyles. This is achieved through addressing the five key needs of Anti-consumerism: Housing, Health, Transport, Education and Arts. This creates incentives for self-sustaining local production and promotes the transition from a materialistic to a convivial and participatory society.

The outcome of the project is the creation of a step-by-step manual which can be given to every local council throughout Greater Manchester, to bring new life to the shopping centre typology and Satellite towns.

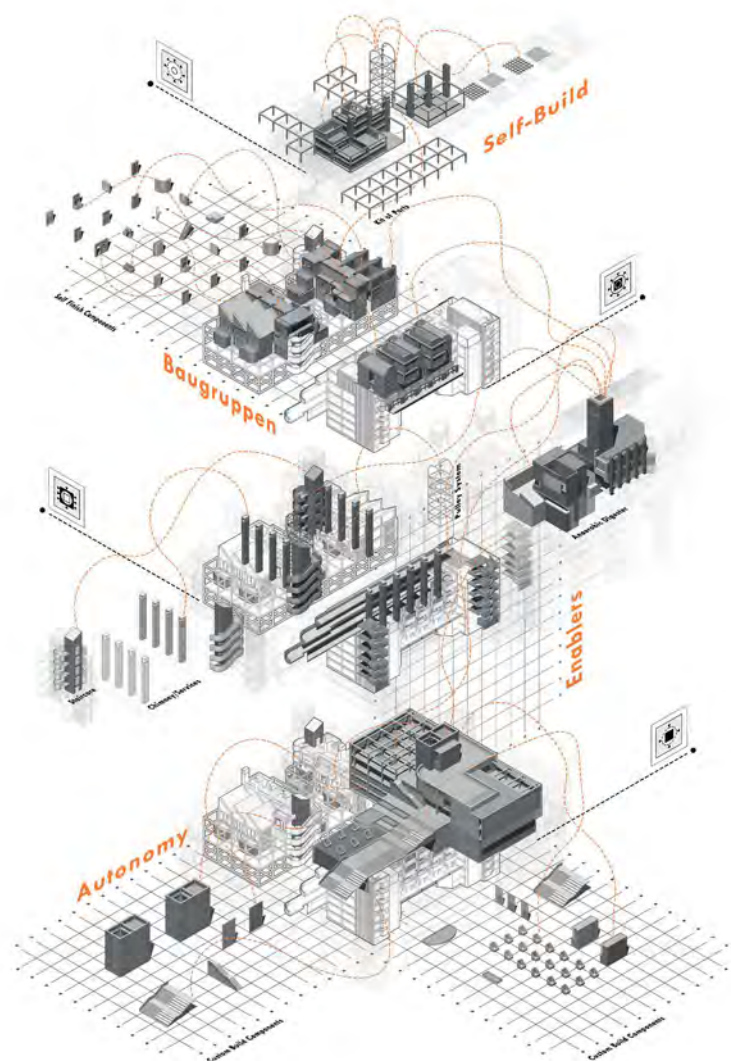


*The Theatre*  
CGI



*1:100 Scenario Block*  
Model

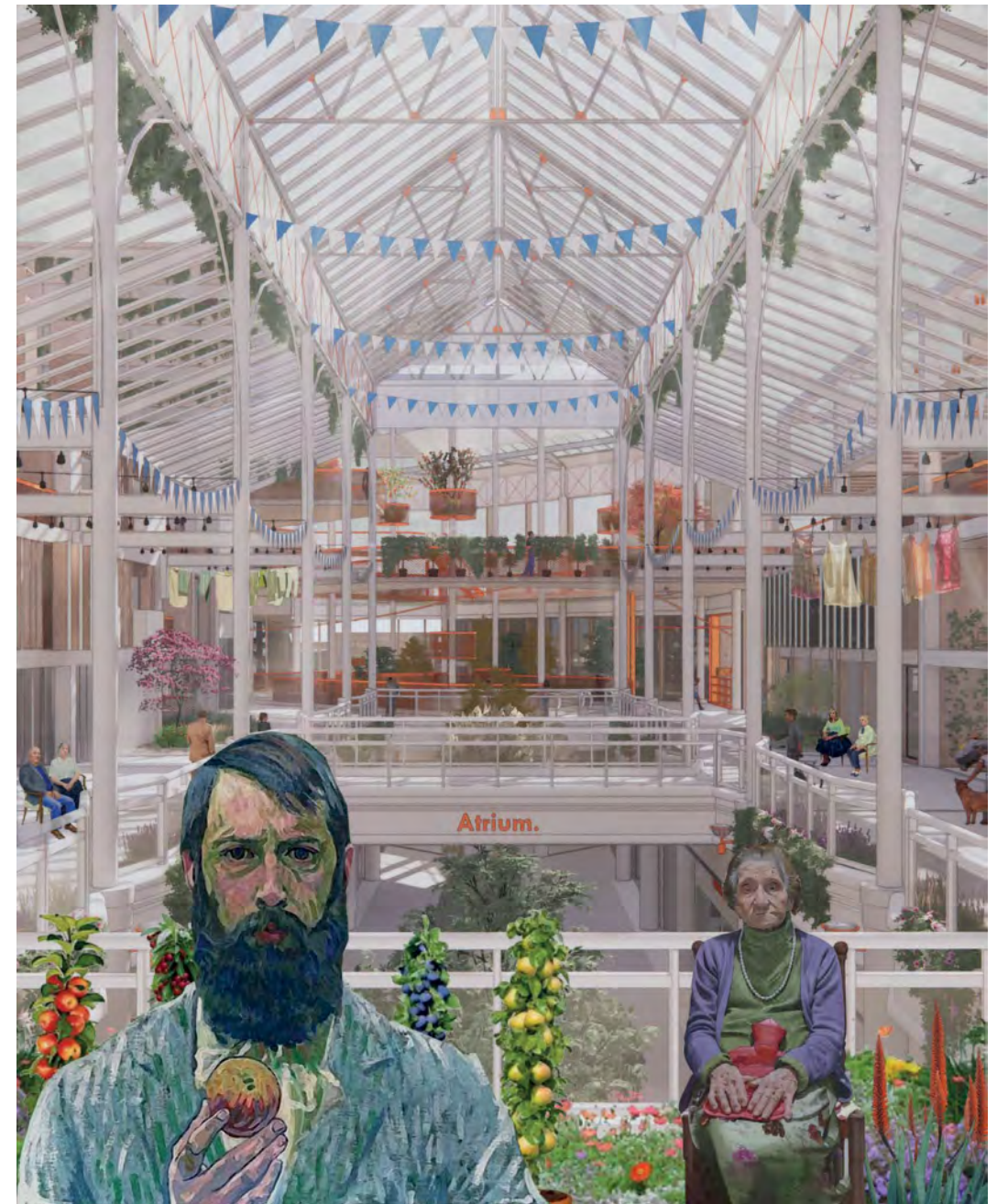




Participation Models  
CGI



Schematic Section  
CGI



Atrium  
CGI



## The Others Archive

Luke Fawcett  
Kudzai Kurewa  
Matsvai  
Jia-Hao

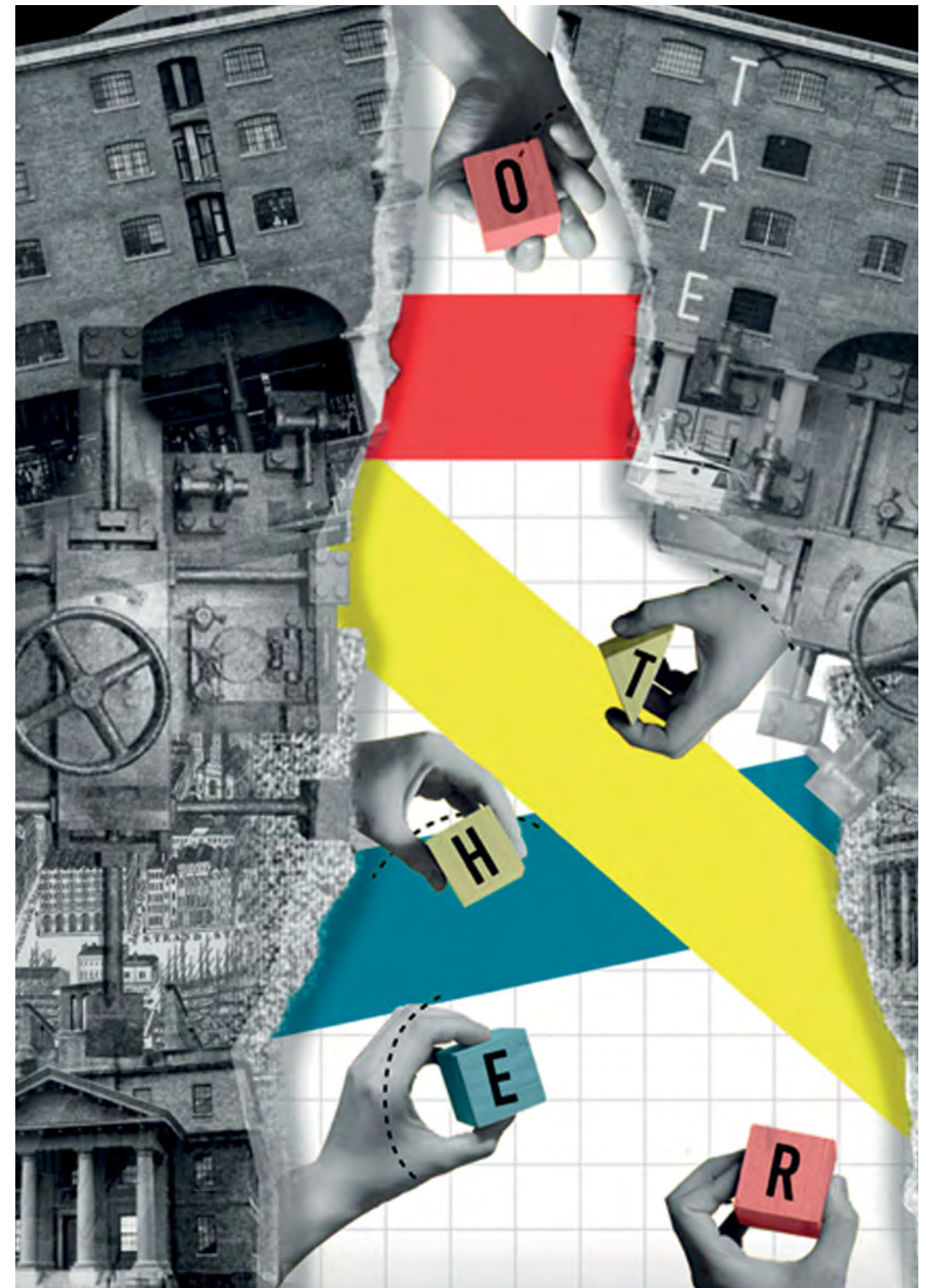
*Thesis Tutor*  
Iain Jackson

*Guest Critics*  
Dr Maider Llaguno  
Dr Frances Holliss

*Special thanks*  
We would like to acknowledge all the Black, Chinese and Queer people who have contributed to Liverpool's rich history but have been erased or forgotten. We hope that this project, in whatever small way, shines some light on their stories.

When we look at 'Other' history – Other meaning those who are not white, able-bodied, heterosexual, or cis-gender – we are met with silences in the archives. Our research in Liverpool has raised questions about whose stories are being preserved and whose are yet to be discovered. These questions exposed the need to rethink the current archive system from historical, architectural, and personal perspectives.

Therefore, our thesis explores how we can preserve Black, Chinese and Queer heritage through inclusive spatial design, prioritising the future of 'Other' documented history.



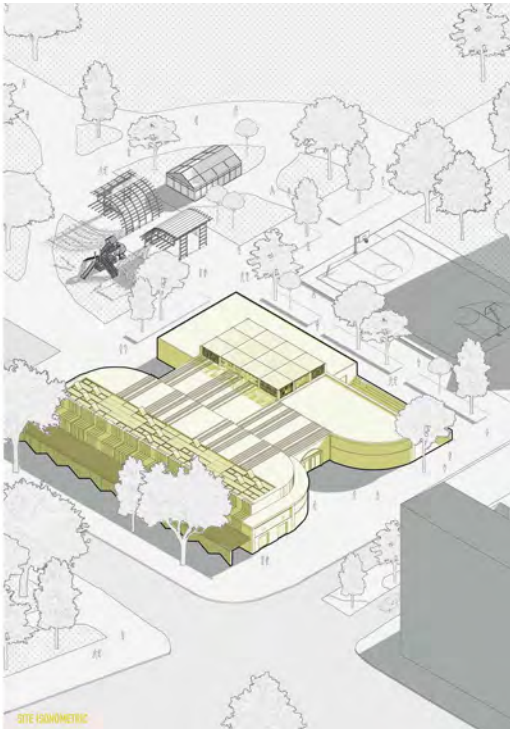
Collage Image  
CGI



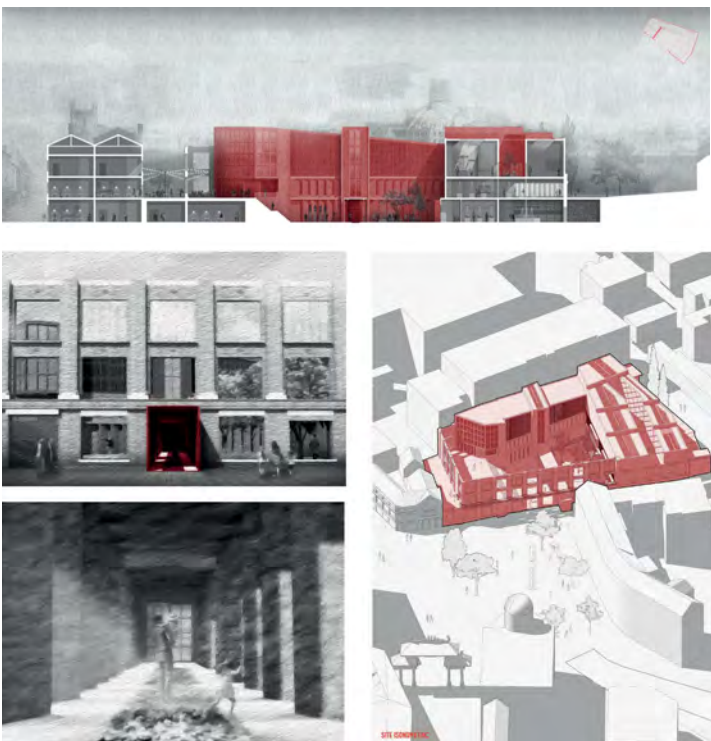
*Closest of Curiosity Section, Views and Isometric*  
 CGI



*Caribbean Centre Section, Views and Isometric*  
 CGI



*Chinese Hondo Supermarket Section, Views and Isometric*  
 CGI



*Routes*  
 CGI





# Challenging the Regeneration of post-industrial towns: A vision for Bochnia Town High Street Regeneration

Gabriela Grodny  
Zhengyang (Bob)  
Zhao  
Adarshini Burrun  
Macadangdang  
Lance Rey

*Thesis Tutor*  
Professor Iain Jackson

*Thesis Critics*  
Dr Frances Holliss  
Sebastian Aedo  
Dr Maider Llaguno

*Special thanks*  
Special thanks to our  
tutor, Iain Jackson, for  
his guidance with this  
thesis project.

*Winner AHMM award  
for Urban Heritage  
and Design*

Bochnia Salt Mine is the greatest treasure of the Bochnia region. Thanks to the salt deposits, the city of Bochnia became one of the most important economic centres of medieval Lesser Poland. The beginnings of the Bochnia mine as a mining plant date back to 1248, when being a royal enterprise, the mine brought enormous profits to the local area. Following the salt mine closure, the town began to struggle with the problems of economic succession, high unemployment, the outflow of people and, subsequently with, the disappearance of its culture, industrial heritage, and rapid architectural deterioration.

The Bochnia town centre has ceased to be attractive to young society. Its outskirts have been transformed into areas with low social status, dominated by old and decapitalised buildings, inhabited by elderly lonely people. Due to this situation, the discussion on urban revitalisation and strategies to counteract the negative effects of the shrinkage of Bochnia is very timely and necessary.

Thirty years after the closure of the mine, in 2021, the city issued a document diagnosing local urban problems and a 10-year Bochnia Revitalisation Plan. However, at the moment, no architectural or urban planning intentions have been submitted.

Consequently, this thesis seeks to challenge the local revitalisation plan and question:

A) Can the use of collective community memory & skills, local industrial architecture and folklore artifacts become a guide for the future post-industrial town regeneration?

B) How can we preserve and revive the disappearing architecture of Bochnia, and how can we design long-lasting and sustainable architecture?

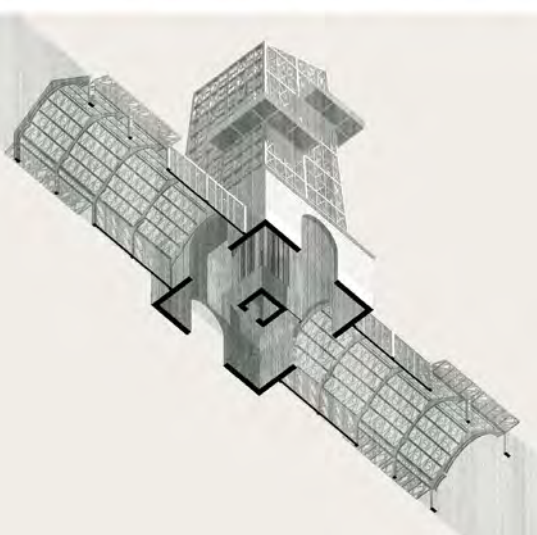
C) How should we respond to material degradation to raise awareness of limited resources and commemorate the historical significance of Bochnia while establishing sustainable construction methods?

Utilising the Bochnia's sites, the project aims to provide the city with a new industrial identity inspired by the golden era of the Salt Mine while celebrating its community heritage and skills. Instead of demolishing abandoned industrial sites, this thesis proposes to re-purpose and retrofit the remains of the Salt Mine Town into a functional space with community workshops, shared spaces, and public infrastructures.



Civic Hub Axonometric  
CGI





Axonometric / Visuals  
CGI



Bochnia Workshop  
Model



# The Women in Construction Hub

Ria Aulak

The Women in Construction Hub is an educational facility on Upper Pitt Street, Liverpool. The infill project has evolved into a hub that acts as a medium for upskilling former homeless women so that they can qualify for apprenticeships where they can earn, learn and sustain themselves.

*Thesis Tutor*  
Peter Farrall

The project stemmed from an exploration into the cycles of homelessness for women and I became interested in the steps after women are housed. How do they find employment? Do they have entry-level skills? How do they integrate within their wider community?

*Thesis Critics*  
Peter Farrall  
Neil Swanson  
Helen Roberts  
Josef Maria  
Lucretia Ray  
Dr Mary Shepperson  
Luke Bushnell-Wye  
Dr Hamid Amouzad  
Khalili  
Professor Richard Koeck

These questions developed into the design of a hub that is run by women, for women. Women can receive support from the beginning when they are curious about construction and throughout their lives, with the hope that the women who have interacted with the hub return and help the next group of women who are curious about construction, creating a positive cycle.

The project also addresses that there are only 14% of women in the construction industry. Women in the industry address that this is because young women do not know the roles available in construction and the routes into the industry. Therefore, the hub's main goal is to host short-term construction projects so these women can experience construction and with the support services available on-site, gain entry-level skills and find employment.

The projects can vary from private projects just for the women, such as a garden shed, or public projects that involve the community like theatre flats. Social opportunities arise with the public projects which enable the women to make connections within their community.

*Special thanks*  
Special thanks to my tutor Peter for his guidance and support throughout the year and to my thesis critics for their insight and advice. Thanks also to Germaine from the Women's Organisation who reflections about women-only services greatly informed my design.

The Women's Organisation (WO) has many offices and meeting spaces and is a short three-minute walk from the hub. On-site, the hub has an assembly space for the construction projects, an administrative block with some meeting areas, a café, a courtyard and a creche. As the hub has some functions in the WO (i.e. the main office and meeting spaces), the hub's form can be medium-sized and single-storey with an open courtyard, which is suitable for its site context as an infill project. The courtyard is the heart of the hub and is a place for tranquility, contrasting the bustle of the assembly space.

This thesis project is about education and curiosity. For testing skills and a potential passion for construction in a safe space that is inviting and private.



1.500 Site model

# Occupying the Ropewalks: Reintroducing Community Within Vacant Spaces

Krishan Patel

The abundance of vacant buildings and land in the Ropewalks area has been the focus for many developers over the past 20 years, but their disregard for existing communities within the area has led to many artistic and cultural communities to vacate, failing the vision for the area that has been laid out in numerous planning strategies for the city.

*Thesis Tutor*  
Jack Dunne

Using Henry Street at a test site, this thesis explores how interventions with a temporary 5-year planning permission strategy can provide spaces for experimental architecture and vacant sites being taken over by their local communities to create vibrant spaces which address local necessities and enhancing the cultural identity of the area. This concept of self-help architecture can provide a template for how future planning strategies are implemented throughout the city of Liverpool to tackle its vacant spaces and how a temporary 5-year scheme can help establish identity within an area and offer new essential spaces and functions for underprivileged communities.

*Thesis Critics*  
Ian Ritchie CBE  
Michael Cuniff  
Ronny Ford  
Dr Juliana Kei

*Special thanks*  
Jack Dunne

Understanding the existing typology of the back street, whose functions often hands itself to narrow, poorly lit spaces is fundamental in reintroducing the site back into the cultural character area of the ropewalks, through the engagement and involvement of the public through a new street strategy. The masterplan therefore addresses issues of safety, lighting, privacy, and community, along with the opportunity for adaptability and personalisation to create a public realm which is fundamentally local. The implementation of this scheme will contribute to the 24-hour economy of activity within Henry Street, through versatile spaces which are to be interpreted by their users at any given time.

Concepts of sustainability awareness and learning through the use, reuse and recycling of plastic waste and their capabilities in the built environment are also explored through the interventions acting as physical embodiments of waste, in conjunction with the retrofitting of derelict buildings. Phase 1 of the scheme presupposes the construction of a local plastic waste recycling centre which will provide the site with construction materials to be used for the interventions and offer materials to the public to create their own projects within the open-access workshop, which offers a space for local small businesses to establish and grow by offering free use of machinery and facilities to increase new skills opportunities for the local area.

*Winter Garden – Street Elevations*  
CGI





# The Welsh Centre: Changing the Future for Care Leavers in Liverpool

Rachael McCarthy

The thesis design is a response to poor outcomes for care leavers in Liverpool. Statistics show a quarter of them will go on to become homeless. The proposal is The Welsh Centre which adaptively reuses the Welsh Presbyterian Church in the L8 area of the city. It has sat dilapidated and abandoned for the last 40 years.

Thesis Tutor  
Peter Farrall

Thesis Critics  
Neil Swanson  
Dr Mary Shepperson  
Dr Hamid Amouzad  
Khalili

Special thanks  
I am greatly appreciative of all the feedback I have received over the course of the semester. A special thanks to Lucretia Ray for her valued insights and thoughtfulness.

Liverpool has a high number of at-risk buildings and the adaptive reuse of the church seems fitting in serving the needs of an increasingly at-risk group of women. Historic analysis shows it has pushed for women's social reform since its inception in the late nineteenth century.

The programme combines training, education and mentoring for 163 young female care leavers currently in the city. An Embassy Village case study and interview considerably informed the programme. It provides intensive 1:1 support and training, with accommodation, for interviewed homeless men in Manchester. The charity works with local businesses who all guarantee interviews – the outcome is a permanent home and a job.

The proposal adopts this model, with the addition of a co-working hub for local women in the community wishing to access training and grow their businesses. This provides many cross links and takes advantage of shared facilities such as a cafe, creche, conference, teaching, training rooms and event space. Combining the two initiatives ensures on-going community support and participation which is vital to the programme's success.

The Church is Grade I listed but the rear School House is not. This resulted in a subtle pod intervention, which stands free of the building envelope. It has a wrap-around gallery to maximise views out and across.

The School House has been remodelled considerably as most of the internal structure had been reduced to rubble. It provides accommodation for up to 8 young women, including a mother and child. Communal spaces and a private garden provide welcoming spaces for those who live there.

The link building, sandwiched between, joins the two. This houses the main circulation area, reception, kitchen and cafe – its large glazed elements and viewing gallery (offering views to the magnificent rose window) ensure the space is filled with natural light. It offers generous views out to the landscaped gardens.

It is hoped the Welsh Centre will not only help to prevent homelessness but will contribute to a thriving, enterprising and independent group of young women in the community.



The Welsh Centre Landscape Site Plan  
CGI

# Retreat from Urban: Ornament, Modernism and Sacred

Hana Koubkova

'Retreat from Urban: Ornament, Modernism and Sacred' is a thesis project focusing on the question of architectural ornament, its expression, meaning and what the relationship is to local community. In its essence, it is a search for a contemporary expression of architectural ornament while critiquing the modernist movement's attempt to abolish architectural ornament, specifically Adolf Loos' essay 'Ornament and Crime', as well as a challenging present time non-typological approach to ornament.

Thesis Tutor  
Ronny Ford

Thesis Critics  
Dr Juliana Yat Shun Kei  
Jack Dunne  
Ian Ritchie CBE,  
Michael Cunniff  
Brian Hatton

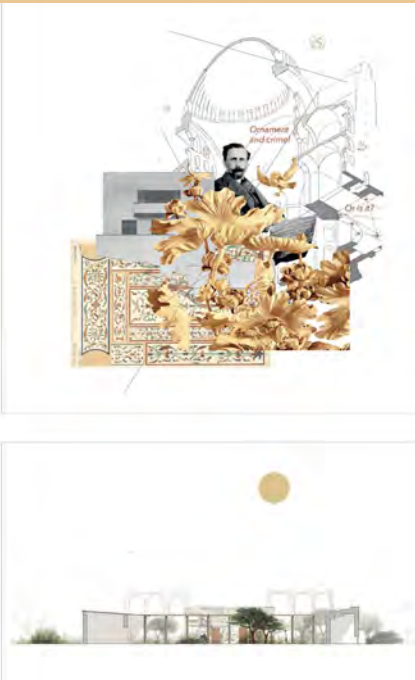
Special thanks  
Special thanks to Dr Stephanie Koerner who brought the topic of architectural ornament to my attention.

To answer the question in focus, the project proposes research by design study 'School of Ornament' and designs the grounds to undertake it. The scheme is located in Italy in rural context of Val di Lago by Via Francigena pilgrimage route and tackles the site on a wider community level as well as the research end-users. The design is comprised of a retreat centre with ornament workshops, visitors and permanent on-site staff accommodation, restoration of an existing 16th-century renaissance chapel, and of site interventions to guide people through the site but also to act as a display of ornament created during the workshops over the period of time. The purpose of the study would be to collect the data through visual anthropology and archiving, creating a resource for analysis. The programme poses a potential precedent to take place in other places also, providing more diverse outcomes.

Analysing case studies was the main method which led to the identification of five objectives: ornament, scale, volume, vista and materiality, and three architectural elements driving the overall design: arch, niche and column which are also traditionally ornamented. Given the site setting, two case studies of monasteries were used for the organisation of the space on a large and small scale. Moreover, as local community is at heart, the materiality creates a bold part of the design with regional stone as the primary material. In terms of the ornament itself, exploration took place mainly focusing on the inspiration within local landscape including utilising digital tools.

This thesis argues in favour of architectural ornament, highlighting the value of craftsmen's contribution to process, aesthetical expression, and the importance of reflecting the local context. However, it does not suggest to 'go back in time' rather it aims to encourage finding new articulation by adopting the combination of both traditional and contemporary technological possibilities. Furthermore, the overall aim is to raise the question about architectural ornament among architects and how it is approached in architectural education.

Theme Collage and Unit B Section  
CGI





## Industrial Nouveau: Burnley

James Hole  
Conor Foster  
Holly Knight-Parfit  
Ffion Douglas

*Thesis Tutor*  
Jack Dunne

*Thesis Critics*  
Ian Ritchie CBE  
Michael Cuniff  
Ronny Ford  
Dr Juliana Kei  
Dr Fei Chen

We are extremely grateful for the support and guidance of our outstanding tutor Jack Dunne. A huge thank you from all of us. We would also like to thank the technician team for going above and beyond to help throughout the years.

*Winner Swedish  
Wood Student  
Architect Award*

Industrial Nouveau : Burnley aims to reignite Burnley's post-industrial spaces through a circular textile industry model. The town has a series of disused urban spaces from car parks to post-industrial territories along the Leeds Liverpool Canal. As part of the wider urban scheme, we proposed to regenerate these spaces to improve urban connections and increase access to public green space in the town centre.

Our thesis provides focus to phase 1 of this wider scheme, overseeing a complex of four 19th CE and Early 20th CE former textile mills. The thesis sees a revival of Burnley's lost industrial identity through a reinvention of the textile mill; providing a circular prototype system that demonstrates how a combined resale, reuse and recycling process can alleviate the impacts of textile waste derived from 'fast-fashion'. This theorised complex can process nearly 9000 tonnes of waste textiles per year, distributed via the canal. The prevention of these textiles being burnt at landfill offsets over 100,000 tonnes of CO2 per year.

The three key textile mills being used for the industrial process are: Thorneybank Mill, which oversees the reuse and resale of 80% of the incoming waste textiles, Waterloo Mill which recycles 15% of incoming textiles, as well as producing new fibres and textiles, and lastly Grade II listed Trafalgar Mill, which coincides with the neighbouring UCLAN campus, providing research to find new uses for the remaining 5% of waste textiles that would typically be burnt at landfill. This industry model provides over 200 much-needed jobs for Burnley and over 300 new opportunities for higher education within Trafalgar Mill's research building.

The project also aims to demonstrate the capabilities of historic buildings alongside England's historic waterways, retaining their embodied carbon and retrofitting them for new uses. The proposal is a mix of retrofitted spaces and new interventions. These interventions have been carefully considered to respect the historic context while being distinctive through a 'abstract reference' methodology.

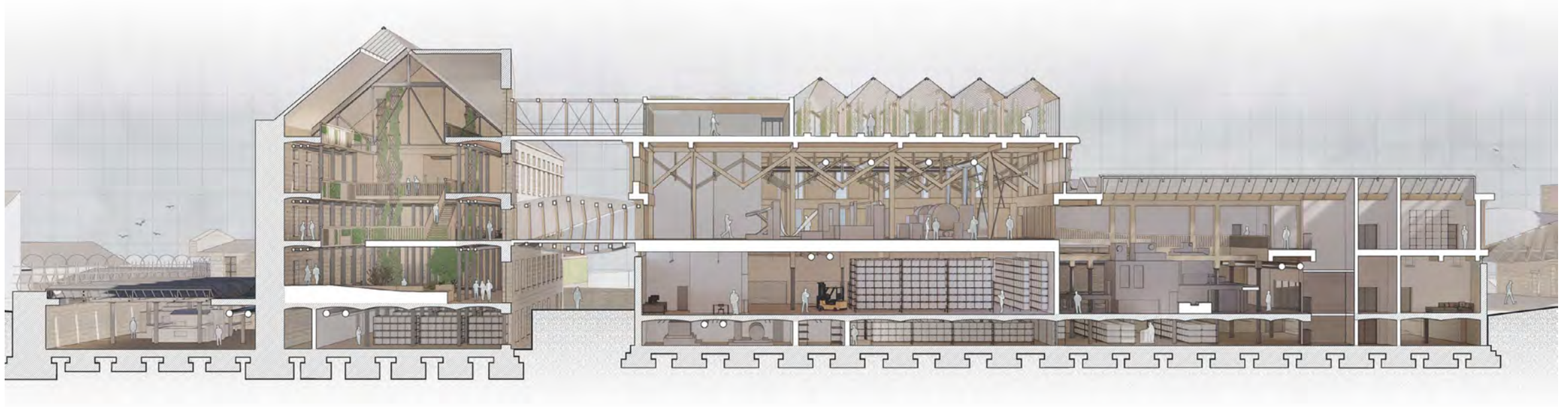
Given the regeneration of urban spaces into public green space, the project follows a plant-based textile approach, highlighting the potential of natural and locally grown products in a textile system, connecting the internal functions to the adjacent park space; harvesting flax for linen, crops for dyes, and fruit that can be transformed into plant-based leather. This plant-based approach is exhibited in the Trafalgar Mill's retrofitted atrium space.



*View and Model*  
CGI / Model







*Trafalgar Mill and Waterloo Mill Section*  
CGI



*Isometric View*  
CGI



*Canal View of Waterloo Mill*  
CGI



# Liverpool Plastics Innovation Factory

Luke Calum  
Kiran Singh Birring

*Thesis Tutor*  
Jack Dunne

*Thesis Critics*  
Ian Ritchie CBE  
Michael Cuniff  
Ronny Ford  
Dr Juliana Kei  
Dr Fei Chen

*Special thanks*  
Special thanks to Jack Dunne for his knowledge and endless support throughout this project.

Since their invention in the 1950's plastics have become ingrained in every level of our society and yet their treatment, reuse and end of life has been largely neglected. This has led to large quantities of the material ending up in landfill, polluting our landscapes and furthermore the oceans.

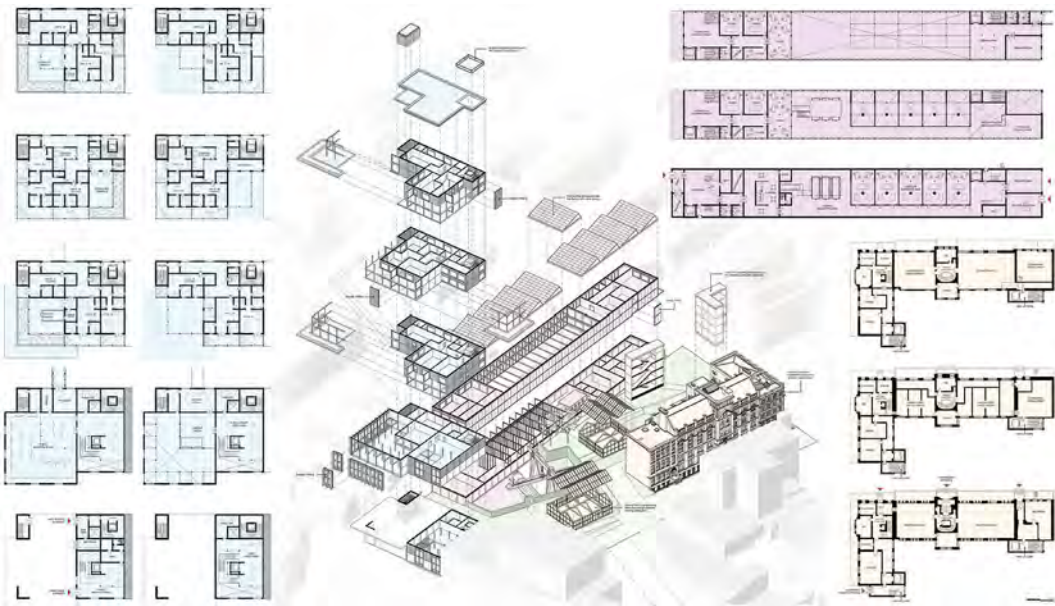
Whilst Liverpool University is carrying out a range of plastic related research across several departments, its recycling infrastructure is sorely lacking. Last year 1900 tonnes of waste were produced on campus and only 25% of this was recycled.

We proposed a facility for the University to create a circle economy of plastic waste on campus, turning waste into functional products whilst also creating dedicated research space within vacant dilapidated University buildings. Finally, we sought to create a new green pedestrian way through the University Campus linking the University into the built and social context of Liverpool.

The three key architectural elements of our project are as follows:

- The Derby and Hartley Building is an existing Victorian building on the site which has been extended to bring it up to date with current accessibility and fire standards so it can return to its previous state of a teaching centre for plastic research.
- The Liverpool Plastics Innovation Factory is the centre piece of the project and provides space for plastic waste to be sorted and processed on site adjacent to several adjustable workshop spaces that will allow for a large variety of projects to take place.
- The Brownlow Hill Tower is a multi-use space allowing for a range of functions. The lower floors house a collection of large public spaces such as a public library and exhibition space which connects directly with the factory. The upper levels of the tower house a range of residential units allowing research students to live directly on site. A range of communal spaces and terraces on these levels allow for a sense of community that is often missing in this type of accommodation.

Though varied in program each of these buildings were linked through a singular architectural style informed by a modular panel system we designed. The system makes use of a range of recycled plastic products and reclaimed site materials at every level of its structure.



*Factory Masterplan Axo / Elevation / Visuals*  
CGI



# Rethinking Schools: Urban Playgrounds

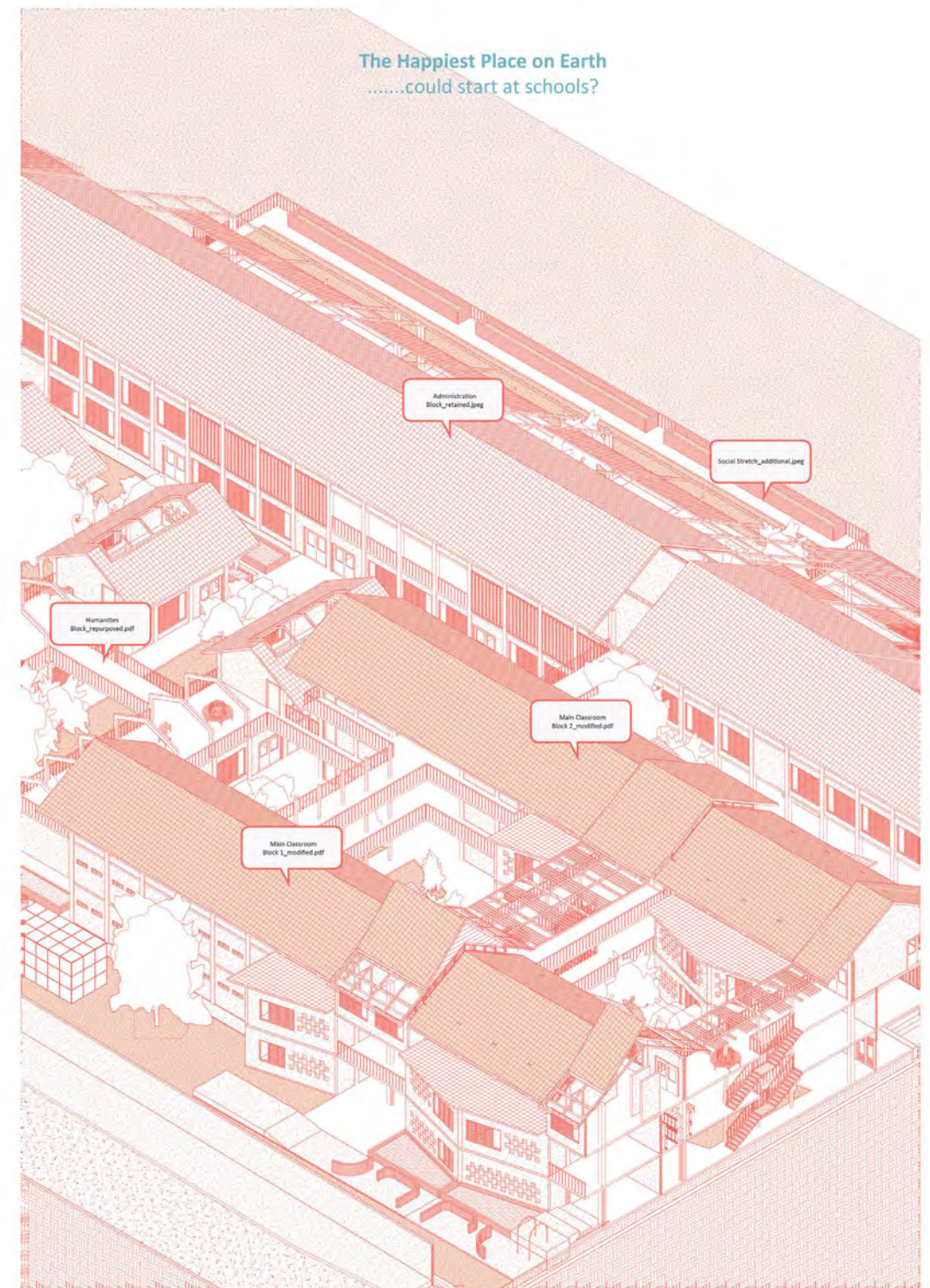
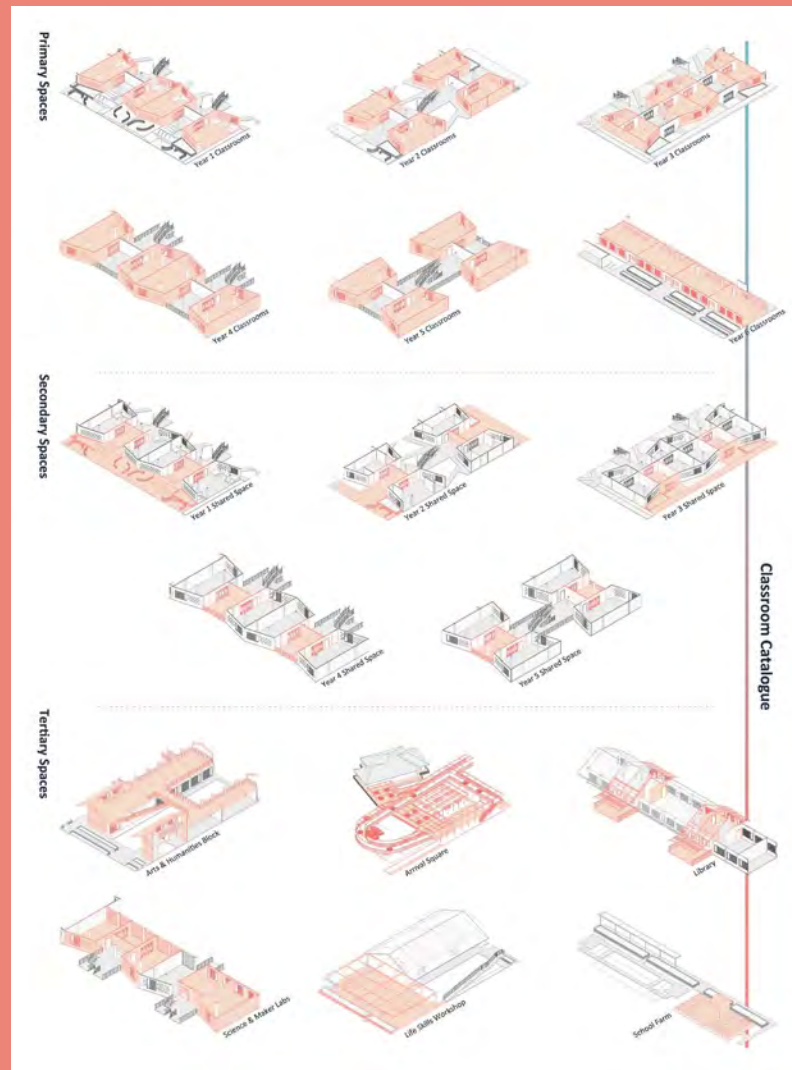
Mohd Ariff  
Farah Amalina

*Thesis Tutor*  
Peter Farrall

*Thesis Critics*  
Helen Roberts  
Neil Swanson  
Josef Maria

*Special thanks*  
Massive thank you  
to my family and  
close friends who  
cheered from home,  
thousands of miles  
away, and my tutor,  
who pushes me  
forward each week  
with constructive  
criticism

This thesis sets to investigate the potentiality of education and spaces around the school for learning. The Malaysian education system has undergone a reformation in recent years but only towards the curriculum. What about the built environment? Maria Montessori's theory that the built environment has the potential to become the 'third teacher' pushes the hypothesis for this project. Therefore, the project takes up an approach that is inspired by Aldo Van Eyck's method of formulating play environments using minimalistic elements. Focusing mainly on the classroom spaces, play-based learning, and project-based learning will become the two methods for teaching and slowly transition from one to the other according to the student's age growth.



*Rethinking Schools – modification towards typology of Malaysian Public schools*

CGI



## Reclamation of the Buffer Zone

Thomas Khosravanifar  
Kenneth Elliott  
Edward  
Cowperthwaite  
Connor James  
Rowland

*Thesis Tutor*  
Ronny Ford

*Thesis Critics*  
Ian Ritchie CBE  
Michael Cunliff  
Brian Hatton

*Special thanks*  
Special thanks to  
Ronny Ford for his  
guidance throughout  
the year.

*Winner Sikorski  
Memorial Prize*

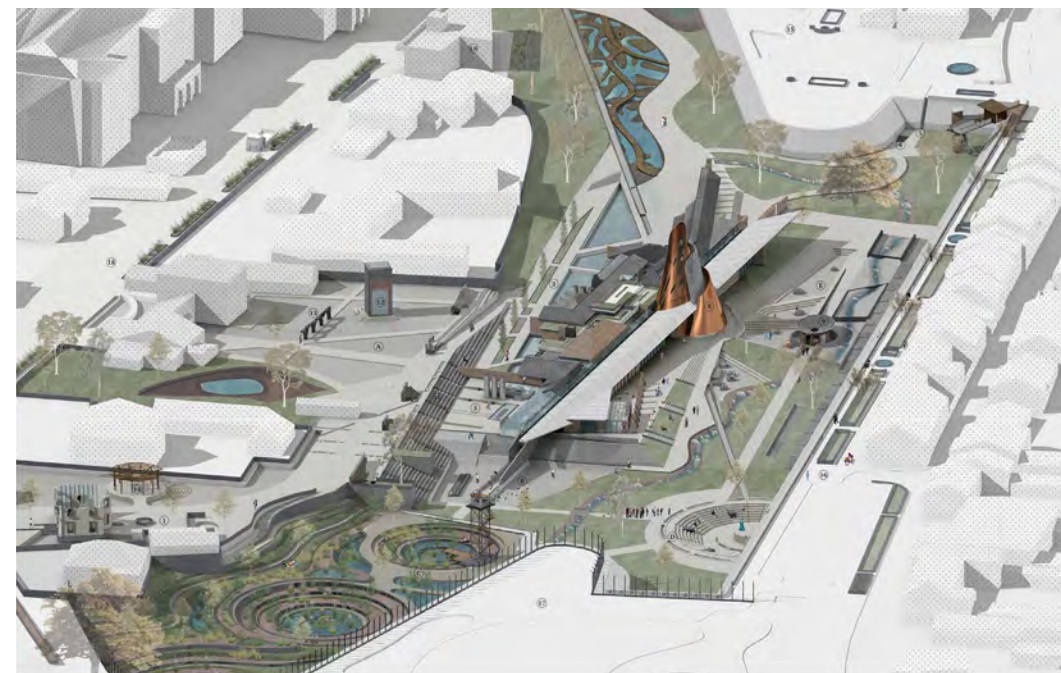
*Winner Liverpool  
Architectural Society  
Student Awards 2022*

The project seeks a new method to help reunify fractured communities that have been both displaced and dispossessed due to conflict and political motives. This is a global issue, but we have focused on Cyprus as it is an overt physical manifestation of a country which has been divided into two and one where a buffer zone created between them. This was intended as a temporary measure to stop infighting between its two communities however has been in place for over 50 years. Over time the walls that were put up provided sovereignty to each nation which in turn perpetuated the division. However, bringing people into the buffer zone, a liminal space with neutral equity will soften these walls.

The climate crisis is another global issue that we hope to address with this project. Cyprus is the most drought-stricken country in Europe and as such is facing a rapid loss of its native epidemiology. This provides the basis for architectural interventions to host collaborative and innovative solutions toward this common goal.

Our method for reunification sought to address the problem indirectly, away from the typical approach of community centres by instead focusing on connection through fixing a common issue. The project intertwines a narrative process of education, social interactions, conversation, and connection with the future sustainability of the country. By combining these two problems the project interrogates how architectural interventions can address these issues with a mixed-use typology, capable of attenuating and filtering large amounts of seasonal rainwater, which will both feed back into the stressed groundwater supply and be retained for building use including lab and workshop facilities. In doing so, water becomes an agent for future innovations that tackle the long-lasting effects of water shortage.

Reunification is addressed indirectly as the subtext for a grander problem, through a new architectural typology that offers participatory workshops that address a common goal. The project is a pilot phase prior to expanding along the buffer zone where the framework is applied to more specific community regions that are directly affected by water shortages. Climate change affects everyone globally; how can this methodology be applied to divided communities elsewhere?



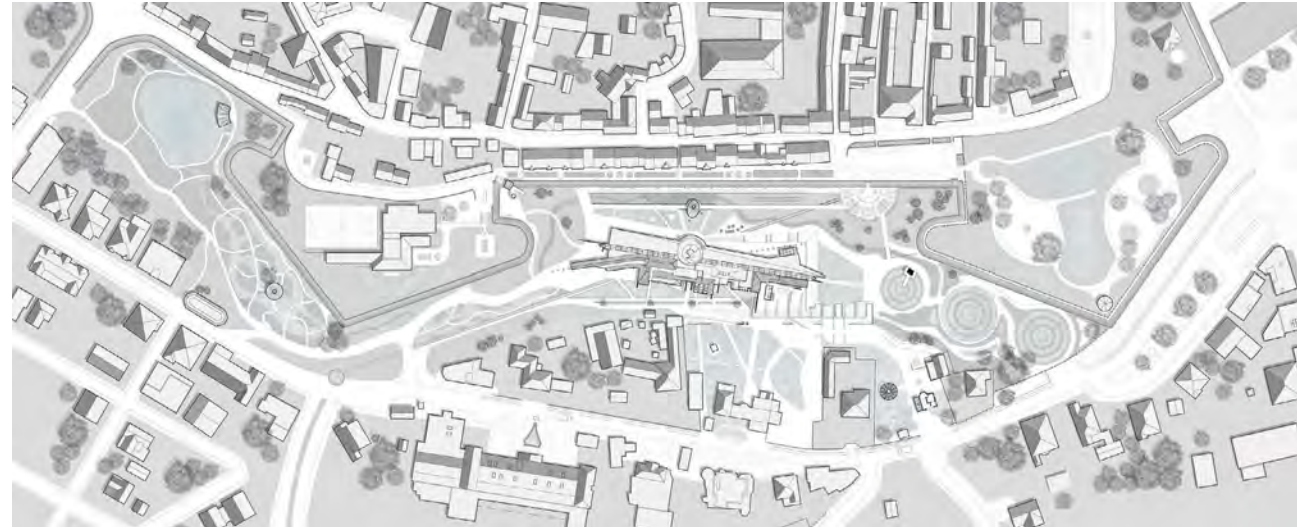
Summer / Winter Isometrics

CGI





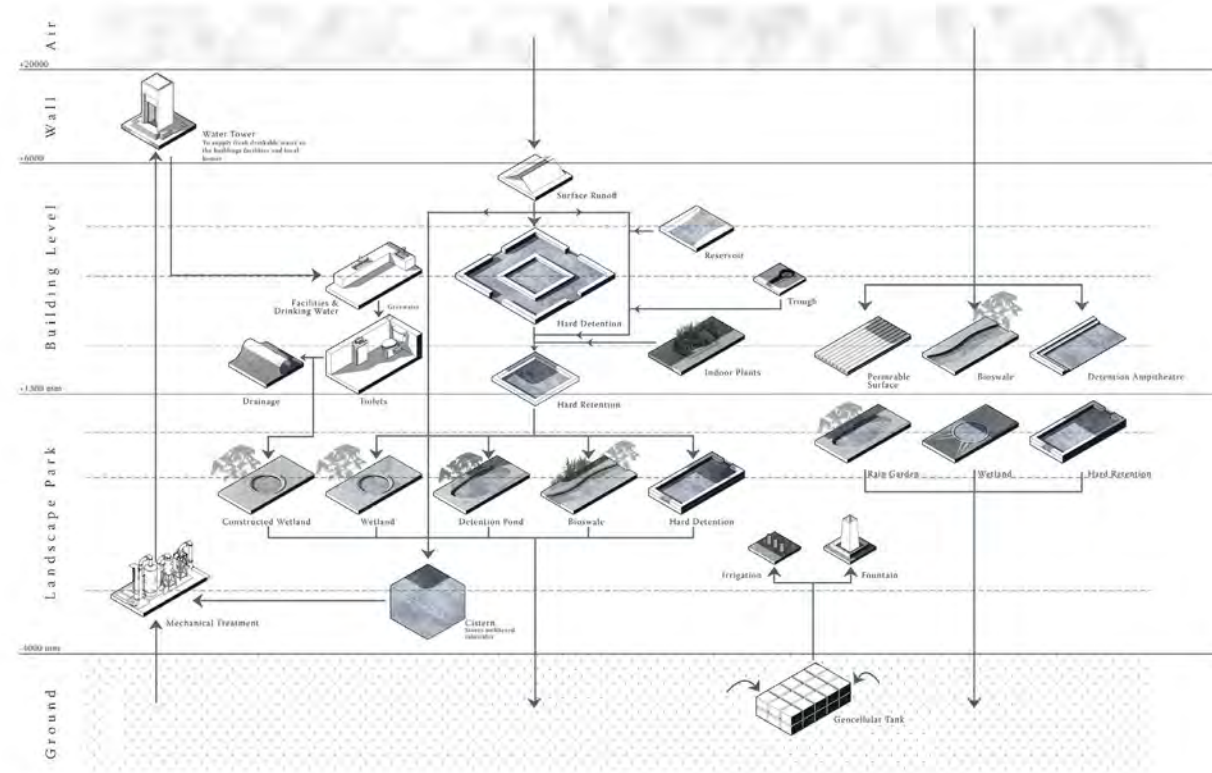
Greenhouse Gardens / Ceramics Workshop  
CGI



Masterplan  
CGI



The Park  
CGI



Water Cycle  
CGI





Research



## Context of ongoing research at LSA

**Professor  
Iain Jackson**  
Research and  
Impact Lead

This year saw the publication of the latest Research Excellence Framework (REF) results and this year's Research update will focus on the results published in May 2022. The REF is undertaken approximately every five years and involves every active researcher submitting their research projects, papers, books, and designs to be assessed for their quality, rigour, impact, and significance. As well as our research outputs the department's research environment, and the impact of our research is also assessed as part of this process.

We submitted Impact Case Studies on the listing of Preston Bus Station, a decision that was partially informed by our research into the materials and construction technology of the iconic structure; another on the heritage and tourism management plans for Oman; and a third on establishing international and European standards in building acoustics.

As a research intensive school we welcome the opportunity for leading scholars across the country to review our findings and to receive their comments and feedback. We are especially pleased with what has been reported, and our results have seen a significant improvement from the previous REF in 2014. The REF scores are arranged on a scale of 1-4 stars, where 4 star is outstanding and of the highest international quality.

We are pleased to report that we have been ranked joint 5th of all UK architecture schools for research classified as world leading (4 star) or internationally excellent (3 star) overall out of 38 architecture schools.

100% of our research impact is rated as outstanding (4 star) or very considerable (3 star). 100% of our environment is conducive to generating research that is world leading (4 star) or internationally excellent (3 star). Our outstanding (4 star) impact almost doubled from REF 2014, seeing an 87% increase. This is an excellent result and we're delighted that our research and its significance is so highly regarded.

Our research is focused across six research groups comprised of the Centre for Architecture and Heritage in India, Arabia, and Maghreb (ArCHIAM); Architectural and Urban History; Acoustics

Research Centre (ARU); Centre for Architecture and the Visual Arts (CAVA); Environment, Sustainability and Technology (ESTA); and Urban Form and Social Space (UFSS).

Our research activity directly feeds into our teaching, particularly through the lecture series on architectural and urban history, and the environmental and technical courses. This year we have also begun to align the research centres with the M.Arch5 studio projects to pursue 'research by design' methods that bridge what is often seen as a gap between studio design and research. A quick look through the examples presented in this volume reveal how innovative and valuable this process has been. As this approach becomes more embedded into our research and design methods we will develop a closer alignment, exchange, and collaboration between our research groups and the studio.

The REF results and our new approach to working with the March5 Studio has

prompted reflection, and a re-examination of our research identity, ambition, and vision for the future. We're now in a process of beginning to prepare for the next REF, but more importantly, how we'd like to rethink and develop our existing research clusters and centres. This is an exciting time for research with major developments taking place with respect to the climate emergency, sustainable building practices, heritage studies, and within the digital compilation and sharing of data, narratives, and culture. Our research is shaping and driving many of these debates and we're delighted to be collaborating with our students on how this work can inform architectural and civic design.



*Preston Bus Station,  
Interior (July 2019).  
Photograph by  
Christina Malathouni*



## Acoustics Research Unit

### Professor Carl Hopkins

Head of Acoustics  
Research Unit

#### Members of group

Professor  
Carl Hopkins  
Dr Pyoung Jik Lee  
Dr Gary Seiffert  
Professor Barry Gibbs

The Acoustics Research Unit (ARU) is internationally recognised for its research into airborne sound and structure-borne sound in the fields of engineering acoustics, building acoustics, room acoustics, audio acoustics, psychoacoustics, speech intelligibility, privacy and security, human vibration (including vibrotactile stimuli), environmental noise and industrial acoustics (sonic cleaning).

The ARU has refurbished the semi-anechoic chamber and extended the capability of the small reverberant chamber to measure sound absorption of automotive trim material. The reverberant chambers are currently being modified to measure sound transmission at very low frequencies as well as sound transmission of airborne ultrasound (very high frequencies).

In 2021, the ARU video that provided evidence of using vibration to teach music in schools for the d/Deaf won the Acoustical Society of America's 2021 Science Communication Award – see the video at Vibrotactile technology to support d/Deaf people in music education: When Musical Vibrations met Royal School for the Deaf Derby.

In 2022, Dr Lee was invited to become Associate Editor for the *Frontiers in Psychology* journal, the largest journal in its field. Prof. Hopkins was invited to give a plenary lecture at the German Acoustical Society conference titled 'Engineering design for sound insulation in buildings'.

During the last year the ARU continued to provide CPD training courses for the Institute of Acoustics and consultancy services to industry.



*ASA award for  
video on vibrotactile  
technology to support  
d/Deaf people in  
music education at  
the Royal School for  
the Deaf Derby.*



## Architectural Heritage

**Professor Soumyen Bandyopadhyay**

*Architectural Heritage research group*

*members*

Dr Ataa Alsalloum  
Professor Soumyen Bandyopadhyay (lead)  
Claudia Briguglio  
Dr Alexandrina Buchanan (History)  
Dr Barnabas Calder  
Dr Sarah Duffy  
Dr Konstantina Georgiadou  
Dr James Hillson  
Professor Iain Jackson  
Dr Richard Koeck  
Dr Christina Malathouni  
Dr Giamila Quattrone  
Dr Mary Shepperson  
Matina Vrettou  
Dr Nick Webb

The Heritage research group includes individuals and clusters of researchers whose work focuses on both the built environment and intangible heritage. Wide temporal and geographical reach characterise the research undertaken by this group, covering mediaeval to modernist heritage of the United Kingdom and at several international locations. The group also engages with significant impact work, public dissemination, and postgraduate research supervision.

Dr Nick Webb and Dr Alex Buchanan have continued their investigation of English medieval vaulting. This follows the publication of their book, 'Digital Analysis of Vaults in English Medieval Architecture' with Dr James Hillson in the summer of 2021. They hosted a second Modelling Medieval Vaults Symposium at the end of August 2021, where researchers from around the world discussed their work in this area. This year, Nick and Alex were invited to speak about their research to several organisations including the Churches Conservation Trust, the University of Texas at Austin and the University of Warwick. You can read more about their work at [www.tracingthepast.org.uk](http://www.tracingthepast.org.uk).

Dr Ataa Alsalloum has been working on the interaction between tangible and intangible heritage, especially focusing on Syria and its diasporic community in the UK. She has delivered several public events, workshops and produced publications with the long-term aim to safeguard such rich but highly endangered patrimony. The events and workshops organised were aimed at diverse participant groups, and along with the publication and film, they addressed issues relating to both Syrian and wider intangible heritage issues.

Dr Christina Malathouni has continued to work in two areas relating to twentieth century architectural heritage. The Impact Case Study featuring the Preston Bus Station, which she led, was one of Architecture's three REF2021 submissions. The building won the prestigious 2021 World Monuments Fund/ Knoll Modernism Prize. In line with her current research on post-war mental healthcare facilities, Christina continues to collaborate with ICOMOS's International Scientific Committee (ICOMOS-ISC20C) and the Getty Conservation Institute. Christina delivered several talks including one for the Twentieth Century Society (National Amenity Society on post-1914 architectural

heritage) in London in December 2021, and for DoCoMoMo, UK (Documentation and Conservation of buildings, sites and neighbourhoods of the Modern Movement) in February 2022.

The ArCHIAM research centre's work is featured separately, and can be found on their website, [www.archiam.co.uk](http://www.archiam.co.uk).



*Preston Bus Station  
Dr Christina Malathouni*



*Palmyra, Syria  
Daniel Demeter, 2007*



# ArCHIAM: Centre for the Study of Architecture and Cultural Heritage of India, Arabia and the Maghreb

*Members of group*  
Professor Soumyen  
Bandyopadhyay  
Dr Giamila Quattrone  
Dr Mary Shepperson  
Dr Konstantina  
Georgiadou  
Claudia Briguglio  
Matina Vrettou

ArCHIAM is an interdisciplinary research centre focused on the study of both historical and contemporary urban and architectural phenomena, with the aim to develop theoretical positions but also practice-based research.

The Centre works with government bodies and local communities in the Middle East, North Africa and India to influence and develop pioneering heritage policies, and shape heritage-focused development. It also collaborates with international cultural institutions and NGOs to disseminate knowledge and raise awareness in cultural heritage.

[www.archiam.co.uk](http://www.archiam.co.uk)

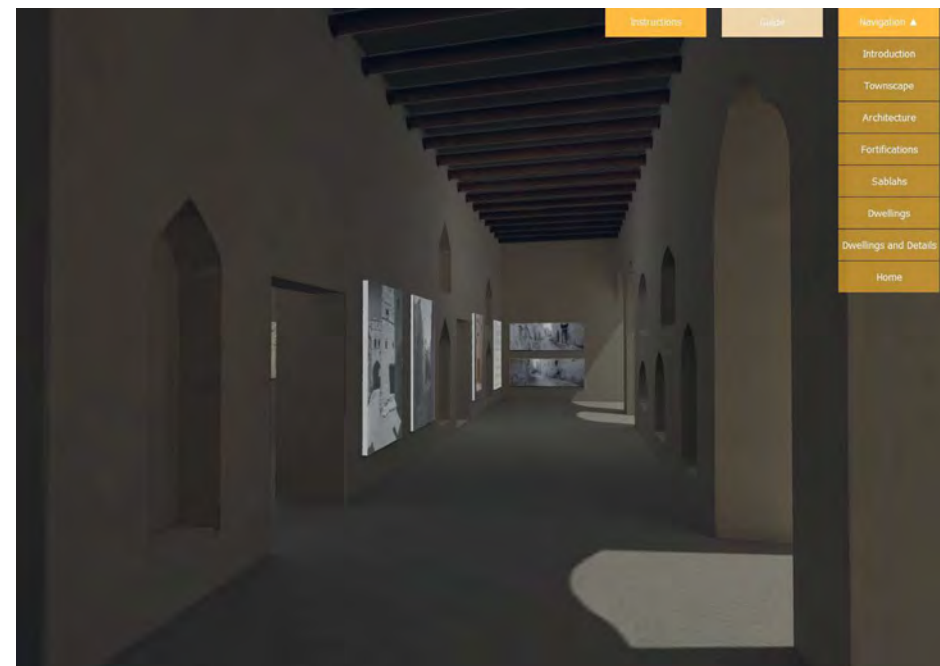
The past academic year has been a highly productive one for the ArCHIAM research centre, which has continued to combine historical, archaeological and heritage research with work on new impact pathway development and the public dissemination of research and capacity building activities. Dr Shepperson's research on Iraqi archaeology has continued alongside her interest in the more recent development of conflict landscapes in the Middle East. She is currently working on the Erbil Plain Archaeological Survey (EPAS) with Harvard, which aims to map archaeological sites and landscape features over the past 10,000 years in northern Iraq.

Dr Quattrone has been leading several impact pathways, supported by ArCHIAM team members, Briguglio and Vrettou. This includes the development of strategies to help the mountain community in Misfat al-Abriyin in Oman realise their sustainable development goals — the focus of one of the REF2021 Impact Case Studies for Architecture — following the settlement receiving the Best Tourism Villages award from UNWTO in December 2021. ArCHIAM has been developing tourism and waste management strategies for Srirangapatna, a site on the UNESCO World Heritage Site tentative list. Two virtual museum experiences are being developed, one for a historic site in Oman and another, a heritage building near Kolkata, India. The latter is part of an AHRC-funded project for which additional funding was secured.

Prof Bandyopadhyay has continued his work on historic sites in Oman, where he is currently writing a monograph on the port town of Muscat, as well as researching Modern architecture in the Asian subcontinent. Dr Georgiadou won the prestigious Schwartz Fellowship at the American School of Classical Studies in Athens, which she has just completed. We have developed pedagogic material on our areas of research strength for the Aga Khan Trust for Culture (Middle East; India) and the upcoming Getty Conservation Institute training programme on Earthen Architecture, and virtually trained students from Kufa University in Iraq on the documentation and data analysis for standing and archaeological heritage. ArCHIAM members have been invited to deliver talks at several international gatherings, some of which took place virtually due to the pandemic.



*Harat Al-Bilad, Manah: A Virtual Exhibition – view of the Architecture Gallery from the museum house terrace*  
©ArCHIAM, 2022



*Harat Al-Bilad, Manah: A Virtual Exhibition – interior view of the Architecture Gallery*  
©ArCHIAM, 2022



## Architectural and Urban History Research Group

**Dr Barnabas  
Calder and  
Dr Patrick  
Zamarian**

*Architectural and Urban  
History Research group  
members*

Dr Barnabas Calder  
(lead)

Dr Patrick Zamarian  
(lead)

Dr Andrew Crompton

Dr Ewan Harrison

Dr Marco Iuliano

Professor Iain Jackson

Professor Neil Jackson

Dr Yat Shun Kei

Prof Rob Kronenburg

Dr Ranald Lawrence

Dr Christina Malathouni

Professor Simon  
Pepper

Professor Nicholas Ray

Professor Mark  
Swenarton

Dr Torsten  
Schmiedeknecht

The largest research group in the school, the AUHRG has a well-established tradition of world-leading research that is diverse in its geography, chronology and methodology.

With architecture lagging behind every sector in its response to climate emergency, and the Grenfell Tower Inquiry throwing up more and more appalling revelations about the worst UK disaster this century, social and environmental justice are urgent concerns in UK architecture.

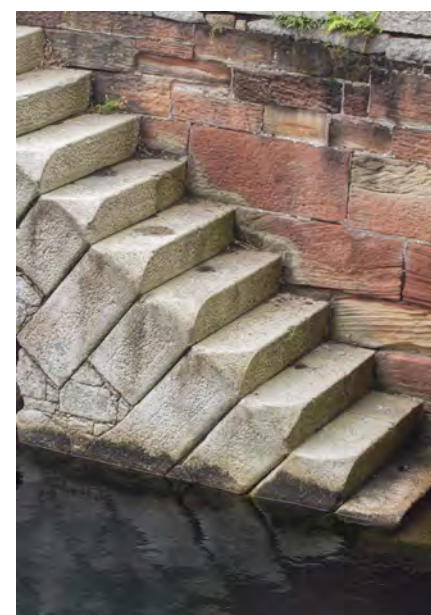
The research of AUHRG explores these and other important questions from a historical perspective, looking at the legacies of colonialism and empire, the history of architecture's entanglement with fossil fuels, the architecture of mental health facilities, the history of architectural education, and many other issues.

The AUHRG is the largest historical research group in any architecture school in England, and one of the largest and best in the world, ranging from distinguished professors to exciting young scholars, with an active community of postgraduate researchers pursuing doctorates on a dazzling range of topics.

The group's members have an impressive output of articles and books. This formed a major part of the school's high-scoring submission to the Research Excellence Framework, including an Impact Case Study led by Christina Malathouni that demonstrated the role of the department's research in helping to rehabilitate post-war concrete architecture after decades of widespread public hostility.

The research the group conducts feeds directly into teaching, from first year up to MArch dissertation, and is also presented to audiences around the world in an impressive array of invited keynote lectures, conference papers and media appearances.

*St George's Church, Everton,  
1814 – the first iron-structured  
church, prefabricated for export  
to serve an expanding British  
Empire  
Barnabas Calder*



*Stairs, Stanley Dock, Liverpool, c. 1848 – this striking stair  
embodies the complexity of Liverpool's Victorian heritage:  
beautiful, ingenious, and tainted by its association with  
the trade wealth arising from empire abroad and coal-  
fired industry at home.  
Barnabas Calder*



## Centre for Architecture and the Visual Arts

### Professor Richard Koeck

Director of CAVA

### Dr Marco Iuliano

Research Director of CAVA

Dr Hamid Khalili, Associate  
Dr Katerina Antonopoulou, Associate  
Iain Cant, Associate  
Monika Koeck, Associate  
Dr Les Roberts, Associate  
Dr Juliana Yat Shun Kei, Associate  
Dr Marina Guo, Research Fellow (Jiao Tong University)  
Prof Gary Warnaby, Gary Warnaby, Research Fellow (Manchester Metropolitan)  
Prof Tuba Kocaturk, Research Fellow (Deakin University)  
Clarice Hilton, Postdoctoral Researcher  
Alastair Eilbeck, PhD student  
Jemma Street, PhD student  
Wuwu Ran, PhD student  
Alex Kallegias, PhD student  
Nehmeh Rihani, PhD student

CAVA | The Centre for Architecture and the Visual Arts is a practice-based and multi-disciplinary research centre that is situated in the School of Architecture, University of Liverpool. Our growing number of PhD students, postdoctoral researchers, Research Associates and Research Fellows are broadly interested in the critical intersection of space, media and culture in the context of digital, networked spaces and spatial practices with particular emphasis on their social and economic impact.

2021/22 has again been a remarkably successful year for CAVA and its researchers. We should start by welcoming Dr Hamid Khalili; a digital media and architecture expert who has joined us from Melbourne University. Hamid's arrival meant that CAVA was able to create a new CineMethods teaching module and is implementing film/moving images as a core element of one of our 5th year Design Thesis projects.

Furthermore, we want to congratulate Zhuozhang Li for receiving the formal recommendation to be awarded the academic title of Doctor of Philosophy (PhD). His remarkable and topical thesis on the cinematic representation of socio-spatial practices by ordinary people in contemporary Hong Kong investigated the (re)production of publicness in everyday urban space and the historical changes of the appropriation.

PhD researcher Song Yang combines AR technologies with robotic production to create a model for digital fabrication in the future. He was leading an international workshop at the renowned SIGraDi 2021 conference in which he explored the design and assembly of walls or pillars made of bricks assemblies with industrial robots. In this past year, his outstanding work has been published in several conference papers and journals.

In September 2021, CAVA hosted a 2-day workshop on the integration of machine learning into VR and location-based immersive experiences. Prof Koeck is the principal investigator of two AHRC projects with the film/animation studio Aardman (Bristol) and Goldsmiths, University of London. The team was able to test and evaluate elements



*The History Whisperer™ at St George's Hall Screenshot. Sankofa, produced by Hamid Khalili, Richard Koeck, Jemma Street and Monika Koeck. Stirling Wilford and Associates exhibition at the Victoria Gallery and Museum at the University of Liverpool, Marco Iuliano*

Gönül Budancamanak, PhD student  
Song Yang, PhD student  
Pooya Sanjari, MPhil Student  
Zhuozhang Li, PhD student (conferred)

from our immersive prototypes, which will inform the next stages and work packages of our joint project.

In October, The History Whisperer™ at St George's Hall opened its door to the public. CAVA congratulates Gazooky Studios, Immersive Interactive and Music in Mind for a fantastic new visitor attraction that was funded by the Department of Culture, Media & Sport. Prof Richard Koeck, Jemma Street and Monika Koeck were greatly involved in the conception, research and implementation of this exciting new attraction for the city of Liverpool. <http://www.cava-research.org/research-projects/the-history-whisperer>

The National Museum of Liverpool launched an international competition to transform its waterfront site. CAVA was a partner in a team led by BIG and JA Projects, alongside FutureCity; Peter Adjaye; Beyond the Box; Gardiner & Theobald; Hilson Moran; LDA Design and Poor Collective. We were not only selected to be one of the six shortlisted teams, but Hamid Khalili directed a film about the history of slavery of the Liverpool docks, co-produced with Richard Koeck, Jemma Street and Monika Koeck.

<http://www.cava-research.org/research-projects/sankofa>

Between October 2021 and January 2022, Marco Iuliano organised a beautiful exhibition at the Victoria Gallery and Museum at the University of Liverpool, which was dedicated to the work of Stirling Wilford and Associates, 1984-2000. It will now travel internationally until James Stirling's centenary in 2024. You can read about it here: <https://drawingmatter.org/doodles-stirling-wilford-and-associates-1984-2000/>

Last but not least, we want to announce an international symposium that will take place 28-29 October 2022. Spatio-temporal Tales: Design Pedagogies of Digital Narrative Practices will invite scholars from around the world to an online event that explores pedagogies of digital media that can function as a means of spatial storytelling. More information: <http://www.cava-research.org/research-projects/st-tales>

<http://www.cava-research.org>



# Environment, Sustainability and Technology in Architecture (ESTA) Research Group

## Professor Steve Sharples

### Group members

Asterios Agkathidis  
Dr Han-Mei Chen  
Dr Daveed Chow  
Dr Jiangtao Du  
Dr Stephen Finnegan  
Dr Rosa Urbano Gutiérrez  
Dr Ranald Lawrence  
Dr Haniyeh Mohammadpourkarbasi  
Professor Steve Sharples  
Dr Spyridon Stravoravdis

ESTA research includes low/zero carbon architecture, life cycle analysis, operational/embodied carbon, climate change, daylight, Passivhaus performance in different climates, buildings and climate in different cultural contexts, the structural integrity of masonry and steel-concrete composite structures, digital design and construction and innovative material technologies. ESTA's researchers also teach on undergraduate and postgraduate programmes

Asterios Agkathidis investigates parametric and generative design, 3D/4D printing and digital fabrication. His work has been presented at international conferences in Novi Sad, Ghent and Cairo. Dr Han-Mei Chen's main research interests are the circular economy, climate change mitigation and sustainability in the built environment; she has recently published papers on reclaiming structural steel and the dynamic tensile behaviour of concrete. Dr Daveed Chow is co-operating with the China Agricultural University in Beijing and the Northwestern Polytechnical University in Xi'an, China to work, respectively, on optimising thermal environments for urban greenhouses and on maximising the solar potential for urban planning. Dr Jiangtao Du works with Tsinghua University in Beijing on investigating effects of various daylighting systems on occupants' psychological and physiological performances. Dr Stephen Finnegan is Director of the Zero Carbon Research Initiative [www.zcri.co.uk](http://www.zcri.co.uk) which works with industry to develop Net Zero Carbon (NZC) buildings by 2050. Steve has been appointed NZC

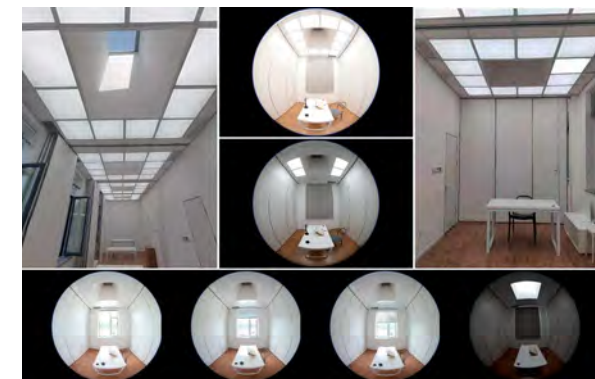


*Thermal comfort surveys of KNUST university library users in Kumasi, Ghana  
Dr Haniyeh Mohammadpourkarbasi*

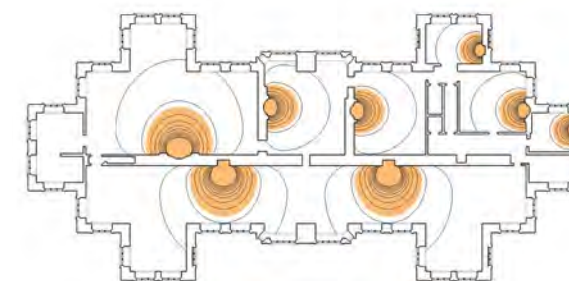
*Lighting lab at Tsinghua University  
developed with support from Jiangtao Du  
Dr Jiangtao Du*



*Thermal imaging of  
a typical suburban  
house in Puebla,  
Mexico  
Roberto Cruz*



*Hardwick Hall. Plan showing isotherms in 1°C intervals  
from 15-25°C around the fireplaces on the winter  
solstice. Comfort zone shaded in orange.  
Dr Ranald Lawrence*



Strategic Advisor by Liverpool City Council. Dr Rosa Urbano Gutiérrez collaborates with the Association of Ceramic Tile Manufacturers of Spain, and her continuing research on glass facades, energy and heritage will develop into two new books. Dr Ranald Lawrence is continuing his research of the history of environment through his studies of Hardwick Hall and is leading a project funded by the British Academy exploring 'What Makes a Good City?' in six cities across the Global South. Dr Haniyeh Mohammadpourkarbasi is evaluating thermal comfort in library buildings in the tropical climate of Kumasi, Ghana and investigated heating life cycle costs for a low carbon retirement development. Both studies have been published in major international journals. Professor Steve Sharples collaborated with researchers in China to investigate how architectural spatial parameters impact on indoor personal thermal comfort using an Artificial Neural Networks (ANN) model. Dr Spyros Stravoravdis is researching overheating risks in UK homes.

<https://www.liverpool.ac.uk/architecture/research/sustainability/>



## Urban Form and Social Space

### Dr Fei Chen

#### Group members

Dr Katerina  
Antonopoulou  
Dr Fei Chen  
Dr Yat Shun Juliana Kei  
Dr Francesca Piazzoni  
Dr Torsten  
Schmiedeknecht  
Dr Junjie Xi

The UFSS group is interested in contemporary urban challenges and currently working on resilient urban forms, equality in public spaces, socially responsive urban regeneration and heritage, representations of various social groups in traditional and digital media. The group consists of six academic staff and eight PhD students.

The UFSS group has been productive in the past academic year. We have contributed to the School's success in REF2022 with 9 research outputs and contributions to the research Environment. We have collaboratively published a book chapter titled 'Public Space'. Last year, our publications appeared in many impactful international peer-reviewed journals (refer to the publication list below). We've also had success in grant capture. Francesca received British Academy seed funds (UK-Italy Knowledge Frontier) to organize a symposium on Justice Centred Research methods. With external colleagues, Junjie received a grant from BRAC University to investigate the resilience to COVID-19 pandemic in Dhaka's informal settlements.

Regarding PhD supervision, the group is very pleased to have supported three PhD candidates through to completion in 2021/22. A new PhD candidate joined us in Feb 2022 working on 'Design governance in heritage-led urban regeneration'.

UFSS continues to actively engage in research-led teaching. Katerina, Juliana and Francesca have co-led a MArch5 thesis design unit and a MArch4 design unit. With others' support, Fei coordinated the Urban Design module in the master programmes and Urban Studies module in BA2. All teachings reflected the diverse research topics of group members and embraced EDI principles.

Public engagement and impact activities were an important mission for UFSS. Members appeared in international media to comments on world challenges related to their research. As the BA3 Studio Pen and Inc's design project last year, Fei collaborated with the Studio lead Sandy Britton, Knowsley Metropolitan Borough Council, Architectural Emporium on

Huyton's high street regeneration. They have successfully hosted a public exhibition of the students' work on Derby Road, Huyton on 22-29th June. Dr Piazzoni was invited to give a lecture at Sorbonne University, Institut de Recherche et d'Etudes Supérieures du Tourisme in May 2022. With scholars from Sussex and UCL, Junjie delivered a Public Lecture on Bangladesh and Indian informal settlements as part of the School of Arts Public Lecture Series 2022. Furthermore, a design workshop was hosted by her to explore creative solutions to re-activate Liverpool's forgotten railway heritage in April 2022 (refer to the event page for details).



*Mapping Bristol through the lens of the protesting crowd  
Katerina Antonopoulou, in collaboration with Sebastián Aedo Jury, University of  
Portsmouth*



## Research Led Events

### Heritage Events

Dr Nick Webb and Dr Alex Buchanan, Invited talks on ongoing research to several organisations, including the Churches Conservation Trust, the University of Texas at Austin and the University of Warwick.

Dr Nick Webb and Dr Alex Buchanan, *Modelling Medieval Vaults Symposium 2*, August 2021.

Dr Christina Malathouni, "Saving and restoring Preston Bus Station", DoCoMoMo (Documentation and Conservation of buildings, sites and neighbourhoods of the Modern Movement), London (online), February 2022.

Dr Christina Malathouni, "Preston Bus Station: From local controversy to global celebration", The Twentieth Century Society (National Amenity Society on post-1914 architectural heritage), London, UK (online), December 2021.

### ArCHIAM Events

Shepperson, M., *Conflict as heritage: remembering and forgetting war*. Nottingham Trent University Symposium "Capturing Memories, Rebuilding Identities: Everyday Culture and Heritage of Post-War Iraq", May 2022.

Georgiadou, K., *The interreligious dimensions of sacred space: Interaction, appropriation, endurance*. Gennadius Library Fellows Reports, 2021-2022, American School of Classical Studies at Athens, May 2022.

Shepperson, M., *SAHGB Podcast: Architecture and Energy*, March 2022.

Georgiadou, K., *Only Temporary! Housing the Lausanne Treaty refugees in Greece* (keynote). SAHGB's Annual Architectural History Symposium for PhD Scholars and Early Career Researchers "Using What We Have: Architectural Histories of Fragments, Ruins, Rationed Resources and Obsolete Spaces", March 2022.

Koeck, M., *M'Hamid Oasis Morocco* (film screening). Al Sidr Environmental Film Festival, Abu Dhabi, February 2022.

Bandyopadhyay, S. *Urban Development of Hooghly Heritage Landscape*, Goethe-Institut / Max Mueller Bhavan Kolkata, January 2022.

Quattrone, G., Bandyopadhyay, S. *Heritage Management and Sustainable Development: ArCHIAM's Work in Oman*. Online Expert Meeting "El Kef: Tales of Marginalised Heritage in North-West" Tunisia, November 2021.

Bandyopadhyay, S., Ardan Associates. *DOHA VISION 2050 'Sustainable Urbanism for the Gulf' – A Foresight Challenge*. 57th ISOCARP World Planning Congress, Doha, October 2021.

Georgiadou, K., *Minarets to Bell Towers: The Perseverance of Religious Architecture*. European Architectural History Network Thematic Conference "Architecture and Endurance", Middle East Technical University, Department of Architecture, September 2021.

Bandyopadhyay, S., *Looking Beyond Conservation: Managing Heritage & Adaptive Reuse – Challenges in Hugli and Lessons from Oman* (keynote), Sister Nivedita University School of Architecture and Planning, July 2021.

Bandyopadhyay, S., *Architectural Interventions in Historic Contexts: ArCHIAM Work in Oman*. LSA End of Year Show Talk, July 2021.

## Re-Thinking Liverpool's Railway Heritage

**Roxby Building,  
University of  
Liverpool  
19-23 April, 2022**

**Dr Junjie Xi  
School of  
Architecture,  
Dr Chia-lin Chen  
Department  
of Geography  
and Planning,  
University of  
Liverpool**

University of Liverpool students from the School of Architecture and the Department of Geography and Planning joined together for a five-day, intensive, interdisciplinary design workshop. It intended to propose design solutions to re-activate Liverpool's forgotten railway heritage. Working together, the students evaluated Liverpool's marginalised rail heritage, proposed visions for its future and engaged knowledge exchange and public debates.

For more information, please see: <https://news.liverpool.ac.uk/2022/05/06/designing-solutions-to-re-activate-liverpools-forgotten-railway-heritage/>



### Tutors

Dr Paco Mejias, Eddy Tayler

### Reviewers

Dr Patrick Zamarian, Trevor Skempton, Dr Urmila Jha Thakur, Professor John Belchem

### Students Group 1

Shuai Wang, Xinyi Meng, Alina Angelova,

### Students Group 2

Wenkang Tian, Zhangze Shao, Alaa Al-Shamahi, Jingwen Tang

### Students Group 3

Guo Chen, Millie Mo, Jiajun Zheng, Trudy-Ann Smith



*Design workshop review and students explaining their work to the reviewers*  
Photographs: Dr Junjie Xi

*Dr Junjie Xi is a member of the Urban Form and Social Space research group*

### Special thanks

Zhuo Wei

For creating the workshop video

The workshop was funded through the University's Early Career Researcher and Returners Fund

Department of Geography and Planning, University of Liverpool  
School of Architecture, University of Liverpool



# Uprooted Syrian heritage resettled in the UK

A series of events led by Dr Ataa Alsalloum,  
Lecturer in Architecture and Urban Heritage

**Dr Ataa Alsalloum**  
**October 2021**  
**Museum of**  
**Liverpool**

Events were collaborations between the Liverpool School of Architecture, the Syrian-British Cultural Centre, ICOMOS-UK and the National Museums of Liverpool.

<https://news.liverpool.ac.uk/2021/10/14/event-explores-cultural-heritage-of-syrians-in-the-uk/>

**May 2022**  
**Museum of**  
**Liverpool**

**May 2022**  
**Museum of**  
**Liverpool**

**June 2022**

All activities were filmed and recorded by Monika Koeck

## *Cultural heritage of Syrians in the UK*

An afternoon of talks and film food and dances documenting the cultural heritage of Syrians currently residing in the UK. Speakers included Professor Fiona Beveridge, Executive Pro-Vice-Chancellor, Faculty of Humanities and Social Sciences and Dr Ghazwan Al Kalash, the Director of the Syrian British Cultural Centre. Dr Ataa Alsalloum said: "This project has charted the role of shared intangible cultural heritage (ICH) traditions as a strong driver for post-conflict reconciliation in exile. Awakening public interest in Syrian ICH and its importance through actual involvement of communities and the heritage bearers has not been attempted before, and the project has provided a platform for these voices. The Museum of Liverpool provided the perfect venue for the project's dissemination, as well as an opportunity to welcome Syrians to Liverpool's community and introducing them to the city's history. The partnership between the University of Liverpool and the Syrian-British Cultural Centre has initiated a robust pathway for impact." It was the culmination of the Intangible Cultural Heritage research project, a partnership between the University of Liverpool and the Syrian-British Cultural Centre.

## *Arabesque Workshop with museum tour*

To celebrate traditional methods of classic geometry design as an element of the intangible heritage of Syria. The workshops introduced children, age group 11-17 to the work of traditional craftsmanship in Syria, particularly, Arabesque. It included hands-on activities, which have helped the children to broaden and enhance their understanding and knowledge of the Syrian cultural heritage past and contemporary practices.

## *Arabic Calligraphy Workshop with museum tour*

The aim of this workshop was to celebrate Arabic calligraphy as an element of intangible cultural heritage. It Introduced information about the different styles of Arabic calligraphy and its wider deployment. The workshop was based on hands-on activities, which helped the schoolchildren, age-group 7-12 to broaden and enhance their understanding and knowledge of the Syrian cultural heritage past and contemporary practices. The activities were guided by Dr Abdullah Al-Anezi, a skilled calligrapher and by Dr Ataa Alsalloum, the project lead.

## *Interviews with Syrians resettled in the UK*

This project explores how Syrians have settled in a British type of house turning it into a home that reflects their Syrian heritage and aims to establish a major online repository of Syrian intangible cultural heritage. The project comprises several activities including interviews, workshops with schoolchildren and dissemination of the outcomes.



Participants in the Cultural Heritage event



Arabic Calligraphy Workshop



Arabesque Workshop



Arabic Calligraphy Workshop



Arabesque Workshop



Interviews with Syrians



Interviews with Syrians

Photographs @Monika Koeck



## Heritage Event

### October 2021

*Ethical standards in interdisciplinary heritage: barriers or bonuses?*

**Dr Ataa Alsalloum and Dr Sean O'Reilly**

<https://icomos-uk.org/events/event/ethical-standards-in-interdisciplinary-heritage-barriers-or-bonuses>

The event was led by Seán O'Reilly (ETE Committee's Chair) and Ataa Alsalloum (ETE Committee's vice Chair). It highlighted the issues around ethical principles and policies in interdisciplinary heritage practice, management and education. This online debate focused first on gathering brief views from a cross-section of heritage sector players, as represented by the members of the UK ICOMOS Education Training and Events (ETE) Sub-Committee who outlined their perspectives from archaeology through conservation and planning to architecture. Discussion was then opened out to consider the widest stakeholder interests, as raised by attendees – from local community representatives to regulators – and included issues such as confidentiality, consent and ethical standards as potential barriers to viability. The event was attended by a wide range of audience including students from the Liverpool School of Architecture.

## Publication: Film

*Intangible Cultural Heritage of Syria*

**Dr Ataa Alsalloum and Monika Koeck**  
Film  
2021  
Liverpool School of Architecture 2021

The film was captured and directed by Monika Koeck. The project was funded by David Wicks Endowment, RDIF and FFF.

The aim of the film was to collect and document Intangible cultural Heritage of Syrians inside and outside Syria. This includes customs, traditions and knowledge. It also aimed to explore how Syrian heritage is shared and what changes Syrians have made to adapt to life in the UK, and how the practice of these customs and traditions forms an integral part of the identity, memory and culture of Syrian society in exile. Ultimately, the film seeks to raise awareness of the values of such a heritage, to contribute to safeguarding it and to assist the process of socio-cultural cohesion and reconciliation.



*Eftar celebration with Syrians resettled in the UK (Monika Koeck, 2021)*

## Publications

### Heritage publications

Dr Ataa Alsalloum, *Intangible Cultural Heritage: Syrians in the UK, Untold Stories*, Liverpool School of Architecture, 2021 (ISBN 978-1-910911-22-8).

Dr Ataa Alsalloum and Monika Koeck, *Intangible Cultural Heritage of Syria*, film, 2021.

Christina Malathouni, "The Use of Glass Reinforced Polyester (GRP) in Preston Bus Station",

*DoCoMoMo Journal*, special issue on "Architectural Plastics", 2022 (in print).

Christina Malathouni, "Preston Bus Station: defending Brutalist 'monstrosities', building bridges",

*GA2020 ICOMOS Scientific Symposium* abstracts volume, 2022 (in print).

### ArCHIAM Publications

Bandyopadhyay, S. & Mershen, B., 2022. *Falaj* Communities in Oman: A Case for Local Governance? Ibadi Legal Rulings, and Spatial and Ethnohistorical Observations. *Journal of Material Cultures in the Muslim World*.

Koeck, M. (directed), 2022. *Harat Al Bilad Manah*. Running time: 11 minutes 18 seconds [Film].

Shepperson, M., 2022. *Visibility, privacy and missing windows: lighting domestic space in ancient Mesopotamia*. In C. Papadopoulos and H. Moyes (eds.) *The Oxford Handbook of Light in Archaeology*. Oxford: Oxford University Press.

Shepperson, M., 2021. *A Parthian city in the Iran-Iraq war: Incorporating the ancient site of Charax Spasinou into a modern conflict landscape*. In N. Saunders and P. Cornish (eds.) *Conflict Landscapes: Materiality and Meaning in Contested Places*. Abingdon: Routledge. In press.

Vrettou, M. & Georgiadou, K. 2021. *Islamic Architecture and Urban Development of South India Sourcebook*. University of Liverpool & Aga Khan Trust for Culture.

### Urban Form and Social Space publications

Chen, F., Piazzoni, F., Xi, J., Shun Kei, Y., & Antonopoulou, A. (2021). Public Space. In *The Palgrave Encyclopedia of Urban and Regional Futures* (pp. 1-7). Springer International Publishing.

doi:10.1007/978-3-030-51812-7\_172-1

Istrate, A. -L., & Chen, F. (2022). Liveable streets in Shanghai: Definition, characteristics and design.

*PROGRESS IN PLANNING*, 158. doi:10.1016/j.progress.2021.100544

Chen, F. (2022). Image-oriented design control in China: a case study from Nanjing. *URBAN DESIGN INTERNATIONAL*. doi:10.1057/s41289-022-00182-0

Kei, J. (2021). What are People for? Ecologists and the Articulation of the built environment.

*FOOTPRINT*. doi:10.7480/footprint.15.1

Piazzoni, F. (2022) Material Agencies of Survival: Street Vending on a Roman Bridge. *Cities*. <https://doi.org/10.1016/j.cities.2021.103412>

Devlin, R., Piazzoni, F. (2022) In the Name of History: (De)legitimizing Street Vendors in New York and Rome. *Urban Studies*. <https://doi.org/10.1177/00420980221088126>

Piazzoni, F., Poe, J., Santi, E. (2022, in press) What Design for Urban Design Justice? *Journal of Urbanism*. 10.1080/17549175.2022.2074522

Antonopoulou, A. (2022). "Mediating between Formality and Informality: Refugee Housing as City-making Activity in Refugee Crisis Athens." In *Making Home(s) in Displacement: Critical Reflections on a Spatial Practice*, edited by Beeckmans, L., Gola, A., Singh, A. & Heynen, H.. Leuven University Press.

Antonopoulou, A. (2022, in press). "Mediated Spectacles: Urban Representation and Far-Right Propaganda in Crisis Athens." In *The Routledge Handbook of Architecture, Urban Space and Politics, Vol I: Violence, Spectacle and Data*, Routledge, edited by eds. Bobic, N. & Haghighi, F.. Routledge.



# Publication: Papers

## Esta Publications

Fu N, Kim MK, Chen B and Sharples S (2021) Comparative modelling analysis of air pollutants, PM2.5 and energy efficiency using three ventilation strategies in a high-rise building: a case study in Suzhou, *Sustainability*, 13, 8453.

Fu N, Kim MK, Chen B and Sharples S (2022) Investigation of outdoor air pollutant PM 2.5 affecting the indoor air quality in a high-rise building, *Indoor and Built Environment*, 31(4) 895–912.

Gong P, Cai Y, Zhou Z, Zhang C, Chen B and Sharples S (2022) Investigating spatial impact on indoor personal thermal comfort, *Journal of Building Engineering*, 45, 103536.

Dadağilioğlu SC, Sharples S and Mohammadpourkarbasi H (2022) Evaluation of applying BIM tools and EnerPHit Standards to the UK housing stock for energy efficiency, Proc. 4th iiSBE Forum of Young Researchers in Sustainable Building, Prague, 4-6 July 2022

Bektas N, Sharples S and Mohammadpourkarbasi H (2022) Assessment of the urban micro-climate and thermal performance of a traditional settlement in Turkey, Proc. 4th iiSBE Forum of Young Researchers in Sustainable Building, Prague, 4-6 July 2022.

Arslan D, Sharples S and Mohammadpourkarbasi H (2022) Renovating the existing residential building stock in Turkey with prefabricated components for Passivhaus-EnerPHit, Proc. 4th iiSBE Forum of Young Researchers in Sustainable Building, Prague, 4-6 July 2022.

# Publication: Article

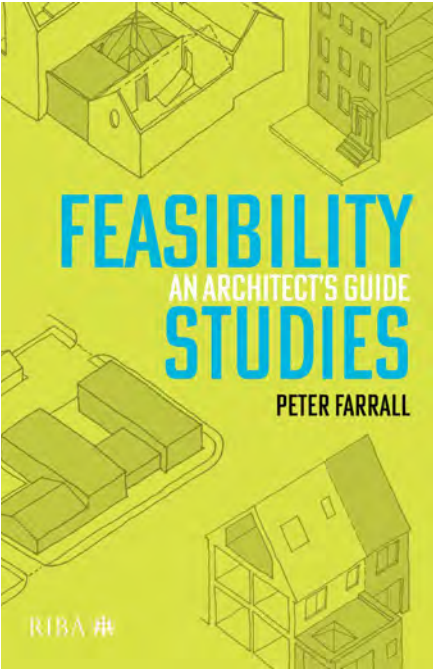
*In the name of history: (De) Legitimising street vendors in New York and Rome*  
**Ryan Devlin, Francesca Piazzoni**  
Article  
April 2022  
*Urban Studies*  
<https://doi.org/10.1177/00420980221088126>

Policy makers across the Global North tend to remove poor and non-white vendors as inappropriate users of public space. Scholars have amply demonstrated that such removals reflect dominant aspirations of the present and future image of the city. But how do ideas about a city's past help shape these aspirations? We compare how heritage, the socially constructed meanings through which people experience history, helps forge consensus over the legitimacy of vendors in Rome and New York. Vending has long allowed oppressed people to survive in both cities. These similar histories translate today into diverging attitudes. In Rome, a city branded as a site of (white) glory, authorities banish both long-standing Jewish vendors and newly arrived immigrants. In New York, mythicised as a place of success for immigrants, policy makers cannot always displace vendors who claim historical legitimacy. We explain these different conditions through a regimes of heritage framework. Using archival and ethnographic data, we examine whose voices count more in constructing each city's past, what stories are told, and how these stories imbri-cate with existing political structures. Regimes of heritage, we find, help spatialise neoliberalism, differentiated citizenship, and authenticity. These dynamics highlight heritage as a critical, if under-explored agent of urban oppression and resistance.

# Publication: Books

*Feasibility Studies – An Architects Guide*  
**Peter Farrall**  
Book  
Summer 2022  
RIBA Publishing

A guide for practicing architects describing the benefits of carrying out feasibility studies including case studies



*Intangible Cultural Heritage: Syrians in the UK, Untold Stories*  
**Ataa Alsalloum**  
Book  
2021  
Liverpool School of Architecture  
ISBN 978-1-910911-22-8

In this book, I invite you to take a brief journey to explore a small part of Syria's heritage and learn about some of the untold stories of Syrians in the UK. My hope is that it will provoke and stimulate further interest and awareness of, and research into, the tangible and intangible heritage of Syria and its people.

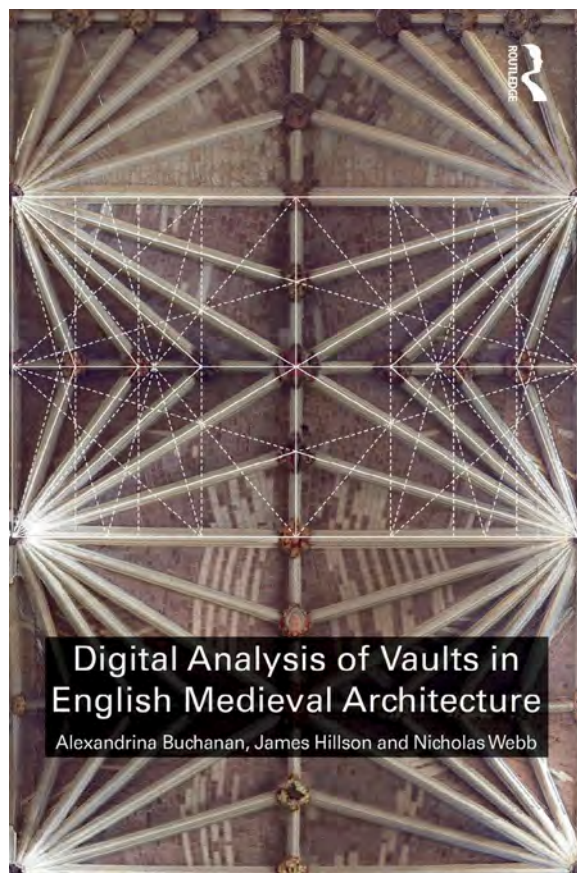


*Palmyra, Syria*  
(Daniel Demeter, 2007)



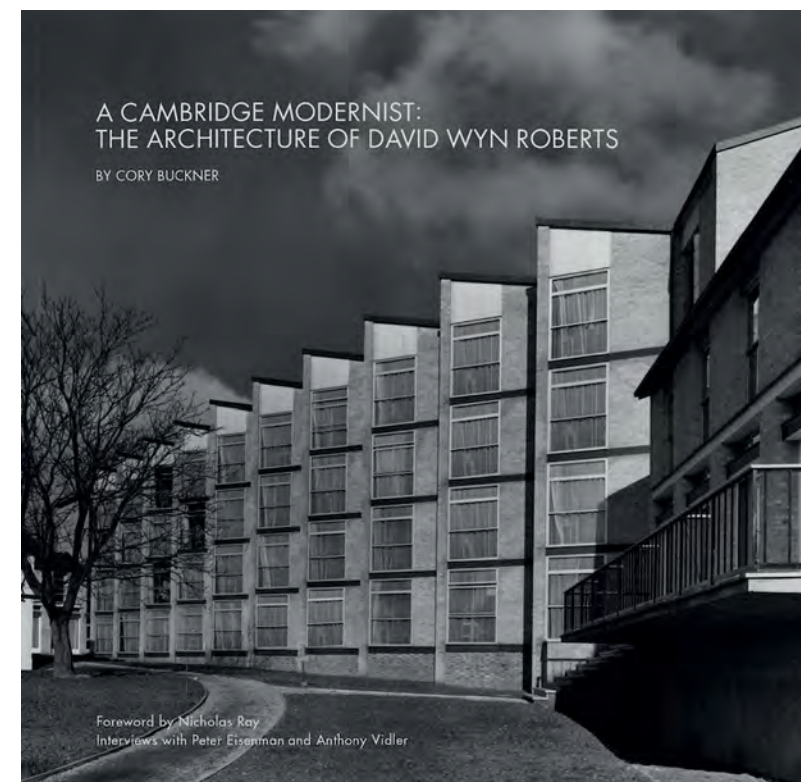
*Digital Analysis of  
Vaults in English  
Medieval Architecture*  
**Alexandrina  
Buchanan, James  
Hillson, Nicholas  
Webb**  
Book  
July 30, 2021  
Routledge, Abingdon  
ISBN  
9781138541337

Medieval churches are one of the most remarkable creative and technical achievements in architectural history. The complex vaults spanning their vast interiors have fascinated both visitors and worshippers alike for over 900 years, prompting many to ask: 'How did they do that?' Yet very few original texts or drawings survive to explain the processes behind their design or construction. This book presents a ground-breaking new approach for analysing medieval vaulting using advanced digital technologies. Focusing on the intricately patterned rib vaulting of thirteenth and fourteenth century England, the authors re-examine a series of key sites within the history of Romanesque and Gothic Architecture, using extensive digital surveys to examine the geometries of the vaults and provide new insights into the design and construction practices of medieval masons. From the simple surfaces of eleventh-century groin vaults to the gravity-defying pendant vaults of the sixteenth century, they explore a wide range of questions including: How were medieval vaults conceived and constructed? How were ideas transferred between sites? What factors led to innovations? How can digital methods be used to enhance our understanding of medieval architectural design?



*Exploded isometric – masonry blocks for  
vault ribs at Wells Cathedral  
Tracing the Past*

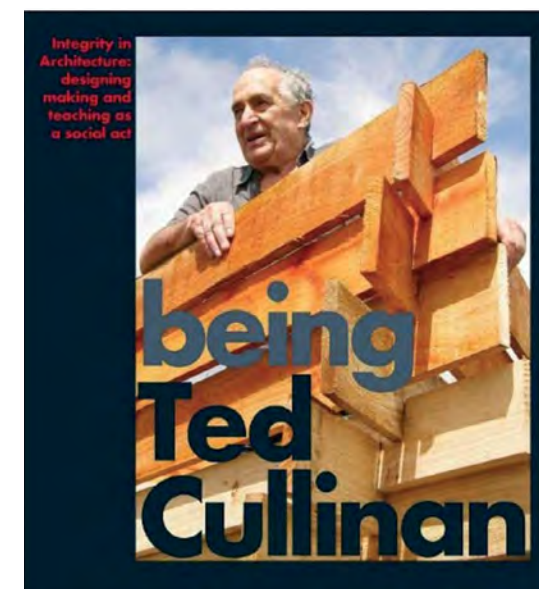
*A Cambridge  
Modernist: The  
Architecture of  
David Wyn Roberts*  
**Cory Buckner  
(Book) Nicholas  
Ray (Foreword)**  
Book  
2022 (English  
edition); 2020 (USA)  
Crestwood Hills  
Press  
ISBN 978-0-  
9975460-1-9



Foreword to monograph of David Wyn Roberts

*Being Ted Cullinan*  
Book  
2022  
**Nicholas Ray.**  
**Eds. Alan Berman  
& Ian Latham**  
Rightangle  
Publishing, London  
ISBN 978-1-  
9997931-4-2

Book contribution:  
"Did Ted have a  
Theory?", pp. 142-  
149



Piers Taylor



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For students, we also work with TRADA – visit [www.trada.co.uk/academic/](http://www.trada.co.uk/academic/) to explore their free resources.

[www.swedishwood.com](http://www.swedishwood.com)

Swedish Wood is the promotional arm of the Swedish Forest Industries Federation. It spreads knowledge, provides inspiration and encourages development relating to wood, wood products and wood construction. Swedish Wood also aims to highlight wood as a competitive, eco-friendly and sustainable material.



Winner of the Swedish Wood Award 2020  
Architect: Tomas Gustavsson at Södersvik  
architectural production  
Photo: Åke E:son Lindman

### Stop Press:

We are currently working with international and UK partners to develop two important new resources to be published during 2021:

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Source: Committee on Climate Change, UK Housing: Fit for the future?, February 2019



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Wood Campus is a Swedish Wood initiative, working with the UK timber industry and associations.

**Wood**  
campus



**As we rebuild Britain, we can decide whether to carry on as usual or build a greener future.**

Stirling Award-winning timber frame housing by architects Mikhail Riches. Photo ©Tim Crocker

**The Committee on Climate Change advised: "Using wood in construction to displace high-carbon materials such as cement and steel is one of the most effective ways to use limited biomass resources to mitigate climate change".**

**Furthermore it recognizes that: "costs of using wood as a construction material are essentially negligible".**

Using wood from sustainably-managed forests instead of other materials is a good way to reduce CO<sub>2</sub> emissions. For more information visit [woodforgood.com/CO2](https://woodforgood.com/CO2)

Wood CO<sub>2</sub>s less is a collective mark of Wood for Good Ltd.

**Wood**  
**CO<sub>2</sub>s**  
**less**



Post Graduate  
Research and  
Taught Programmes



## Post Graduate Research

### Professor Carl Hopkins

Departmental  
Director of  
Postgraduate  
Research

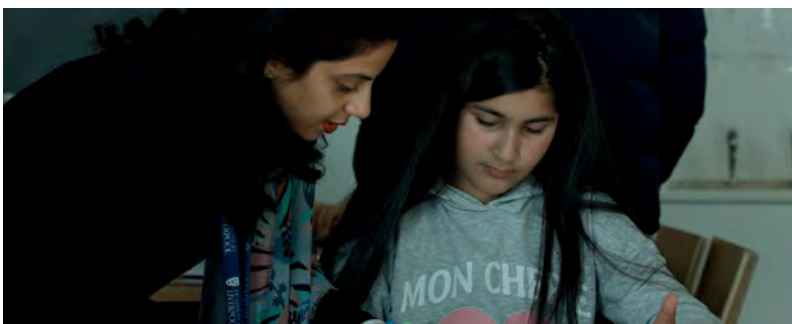
The Liverpool School of Architecture (LSA) is an internationally recognised centre for research in and around the built environment. In the recent research assessment exercise, the Research Excellence Framework (REF 2021), we were ranked joint 5th in the sector for research classified as world leading (4\*) or internationally excellent (3\*) overall (covering outputs, impact and environment) out of 38, and 7th in the sector for world leading (4\*) outputs out of 38. Our outstanding (4\*) research impact increased by 87% compared to REF 2014. This ensures that our research-active staff are able to provide expert supervision in a range of research areas. Our students regularly publish their research at International and National conferences as well as in peer-reviewed journals.

The LSA currently has over 85 postgraduate research students that are registered for full-time or part-time study. PhD and MPhil studies can either be registered in the School of Architecture or the School of Engineering depending on the research topic and the preference of the candidate.

*PHD researcher Yang Song – Hanover Workshop, a collaboration between CAVA and dMA*



*PHD researcher Noor Ragaban – Calligraphy Heritage workshop at the Museum of Liverpool*



## Graduating PHD Students

**Steffi Reinhold** Characterisation of steady-state and time-varying structure-borne sound sources using a reception plate to predict in situ sound pressure levels

Supervisors: Professor Carl Hopkins, Professor Barry Gibbs

**Bushra Obaid Obaid Alderbi Al-Ali** Low-energy SIPs building in Northwest of England (Energy performance under the current and future weather climate change)

Supervisors: Dr Stephen Finnegan, David Chow

**Chenfei Liu** Evaluating the potential energy savings and embodied carbon of retrofitting suburban dwellings towards the Passivhaus EnerPHit standard in a hot summer/cold winter climate region of China

Supervisors: Professor Steve Sharples, Haniyeh Mohammadpourkarbasi

**Wei Zhao** Adaptive thermal comfort and behavioural adaptation of rural residents and their energy-saving potentials: a case study in Lankao in the cold climate zone of China

Supervisors: David Chow, Professor Steve Sharples

**Nan Ye** The practice of practices: independent Chinese architectural design 1949 onwards

Supervisors: Dr Jiawen Han, Dr Fei Chen, Professor Gisela Loehlein, Dr Paolo Scrivano

**Yuyang Wang** Computational Interpretation of Chinese Dwelling Design

Supervisors: Dr Andrew Crompton, Asterios Agkathidis

*PHD researcher Aufa Binti Abd Rahman – A UFSS presentation School of the Arts*





Current PGR Students and PHD research title

**Yang Song** Design to Fabrication: an on-site AR immersive design to fabrication framework for masonry structures

**Deyan Quan** A Parametric Form Language for Fibre Reinforced Concrete Prefabricated Façade Elements Using 3D Printed Formwork

**Yifei Li** Space with Distinction: contextualizing the creative regeneration of industrial heritage in South China

**Xiaohan Chen** Architecture and its Criticism: An Examination of the Construction of China's Newly Established Socialist Identity as Depicted in The People's Daily and The Architectural Journal, 1949 to 1959.

**Chitraj Bissoonauth** Acting to Understand and Understanding to Act in Digital Design Processes

**Qian Lin** The Living Conditions of the Elderly: A Comparative Study of Suzhou Old City and Suzhou Industrial Park

**Da Huo** healing landscape that supports healthy ageing in Suzhou

**Guillermo Sanchez Sotes** The Appropriation of Autopoiesis in the Discipline of Architecture.

**Aufa Binti Abd Rahman** Design Governance in Heritage-led Urban Regeneration: the case of George Town World Heritage Site, Malaysia

**Alastair Eilbeck** Future Passenger: Mobile, Outdoor, Locative Media – A Study of Mixed Reality Narrative, Interface and Content for Public Transport

**Zainab Al-Majidi** Digitally aided documentation and analysis of historic structures in Iraq (The Abbasid Palace and Al-Mustansariya Madrasa in Baghdad)

**Jemma Street** Urban Grit and Civic Pearl: Enhancing the Value of Liverpool's Built Heritage through Location-based Storytelling

**Heather Alcock** Beyond the Village: Port Sunlight's global influence

**Hao Deng** Urban Corners in Guangzhou: Design, Morphology and Everyday Life, 1757-Present.

Pooya Sanjari Shahr-e Farang in the early 20th century in Iran

**Tianyin Xia** Multifaith Space Design

**Wuwu Ran** Chinese Urban Screens Evolution: A Taxonomy Comparative Study on Screen Clusters How to Shape Public Spaces in Shanghai and Chongqing – Visualising VR Practices Approach

**Rim Yassine Kassab** Rethinking the Moroccan Medina with its people: case of Rabat

**Xicheng Li** Learning from sustainable development in different contexts: how to avoid urban planning policy conflict between urban/community/building scales

**Abeeha Awan** Mobilizing a Community through Gamification

**Yaqin Zuo** Movement, discovery and scenery in the traditional Chinese literati garden: history and modern interpretation

**Siqi Deng** The Reintegration of Poetic Space: Theories and Design of the Jiangnan Gardens in the Ming and Qing Dynasties and their Contemporary Interpretation

**Kunlun Ren** Design Research on the Potential Restorative Impact of University Campus Environments Based on The Theory of Restorative Environment

**Jiangyang Zhao** Reinventing the Dougong joint by the application of digital tools and robotic fabrication techniques

**Khalid Bazughayfan** Managing design issues in the planning systems of Saudi Arabia: a comparative study of planning systems in Saudi Arabia.

**Abdulwahab Abdulmajeed** Developing a design and fabrication framework for affordable housing in Saudi Arabia by using parametric modelling and digital fabrication techniques

**Razan Simbawa** From One Slum to Another, The Effect of Extreme Gentrification on Displaced Residents

**Noor Ragaban** The hidden domain of the Saudi Arabian House: An Investigation of Jeddah's Homes

**Matina Vrettou** Recording the pre-Renaissance architectural decorative traditions in Oman: The difference between the interior and the coast.

**Adefolatomiwa Teye** Development and National Identity: Tropical Modernism in Post-Independence Nigerian Universities

**Widad Alis** British Malaya: Building the Capital Cities of Federated Malay States, 1875-1941

**Khaled Alhamad** Geo-Politics, Cultural Imperialism & Eurocentrism in the Management of Kuwait's Heritage: "Oriented" Values

**Simon Yue** Architectural Placemaking in China High Speed Railway Stations

**Xin Ran** Public space in historical settlement-case studies in Southwest China

**Quanqing Lu** The remaking of socialist Suzhou on its urban visions, urban forms, and urban life, 1949-1976

**Daniela Pico Perez** Architecture Design Strategies for Recovering Obsolete Productive Spaces with a landscape perspective In Shanghai, China

**Fatemeh Taherysayah** Spaces for Creativity; Developing methodology for integrating the embodied experience into architectural design processes

**Bekir Huseyin** Tekin Human-centred therapeutic environments: A new framework for biophilic design

**Mohammed Al-Suwaidi** Immersive Technology In Architectural Design & Development: Methodology For Integrating Immersive Technology And Digital Tools In Early Design Stage In Architectural Education

**Claudia Briguglio** Investigating Omani vernacular settings towards ecological urbanism

**Khawlah Tarim** Defining a Biophilic Design Framework for Therapeutical Environments in Hot and Dry Climates (Desert Environment)

**Rowena Creagh** The Embodied Energy and Carbon of the UK's Post-War Buildings

**Alexander Davidson** "Scattered heaps of plastic junk"? Plastic in architecture from the House of the Future to the Grenfell Tower disaster

**Xi Chen** The energy retrofit of the existing residential building stock in Jiangsu Province.

**Nuodi Fu** Advanced ventilation strategy for improving indoor air quality in high-rise buildings by accommodating the various outdoor environmental conditions.

**Mengfan Jin** Large-scale rapid energy modelling of buildings

**Aniello Boriello** Development of novel resilient and sustainable facade systems for the contemporary building

**Roberto Cruz Juarez** The performance of adobe as a construction material in Puebla, Mexico considering climate change and the urban heat island effect

**Zehra Nur Disci** The Impact of Cultural and Climatic Background on Thermal Perception

**Sean Durney** Carbon Impact of the Cultural Sector

**Joshua Lavender** Can Structurally Insulated Panels (SIPs) systems help the UK Government achieve Net Zero Carbon (NZC)?

**Yashika Narula** Impact of Light Gauge Steel Frames in delivering the UK net-zero 2050 goal.

**Xiaoxue Shen** Prediction of vibration of lightweight timber floor due to heavy impact

**Nazmiye Yilmaz** Effects of Natural Sound on the Perception of Enclosure in Urban Street Canyons and Courtyards

**Juan Rivera Soriano** The Sustainable Modernity: "Environmental design strategies for climatic adaptation in modern architecture".

**Lewis Jones** Recycled Ceramics in the UK : Developing Sustainable Architectural Surfaces

**Abdulaziz Alsharif** Investigation of the Urban Heat Island in central area of Mecca in Saudi Arabia and its impact on energy consumption.

**Iona Campbell** Degrees of 'Pre-design' beneficial to achieving Universally Guaranteed Net Zero-Energy Buildings

**Alessia Frescura** Subjective evaluation of impact sound sources in lightweight buildings'.

**Hongrui Li** Perceived Environmental Qualities, Psychological Restoration, Satisfaction and Mental Health in Outdoor Public Spaces of University Campus: A Study among Chinese Students

**Tsun Shun So** A comparison of the impact on psychological restoration, physical activity and public satisfaction between ground-level green spaces and

green roofs: case study in Hong Kong

**Puyue Gong** Multi-factorial decision-making model for the design of healthcare environments

**Weeam Alhabashi** How to improve the performance of compound building for low income in Jeddah by insulation materials

**Mehmet Arif Aktog** Evaluation of Sustainability in the Scope of BREEAM and LEED Criteria in the Design Phase of Office Buildings.

**Yang Yang** Optimisation of steel-frame house design in rural China from the perspective of life cycle and modularisation

**Sinan Celal Dadagilioglu** BIM and EnerPHit-Assisted Energy Efficient Refurbishment: A case study of a UK Georgian terrace house.

**Mariam Gulamhussein** Our Homes: From components to space-Developing sustainable mass produced housing using offsite construction

**Ziwei Song** Acoustic environments of the intensive care units in China during the COVID-19 pandemic", if the thesis title updated I will email you in time.

**Daniel Wiltshire** The design of flood-resilient homes through integrated lifting technology.

**Lyndon Ship** Assessing the environmental conditions of bedrooms-The influence of overheating on sleep.

**Nurcihan Bektas** Assessment of Thermal and Urban Micro-Climate of a traditional settlement in Turkey (Gelemic Village in Keles District of Bursa City).

**Tom Johnston** An investigation into Carbon reduction and mitigation in UK SME's: An application for Zoological Gardens, Nature Reserves and Amusement Parks.

**Nissa Ardiani** Multi-objectives optimization of energy retrofit in hot-humid climate towards Net Zero Energy Buildings

**Dilek Arslan** Life Cycle Carbon Assessment (LCA) of Prefabricated Retrofit Elements for EnerPHit in Hot Climate Regions of Turkey

**Ebaa Khalid** Adopting Passivhaus principles in residential buildings in the extremely hot and dry climate of Saudi Arabia.

**Mainur Kurmanbekova** Indoor Air Quality and Thermal Comfort of Residents in Kazakhstan's Social Housing Sector

**Chenran Li** The adaptation of the Sheffield Care Environment Assessment Matrix (SCEAM) in Chinese elderly residential care facilities

**Xi Zhang** Perceived Environmental Qualities and Occupants' Mental Wellbeing at Workspaces in China: Survey and Experiment

**Daneel Starr** An investigation into Chinese Heritage: The vernacular architecture and changing traditions in Xishuangbanna

**Samie Iqbal** The Architectural Evolution of Masjid Al Haram in Makkah; with Focus on the 'Ottoman Riwaqs'



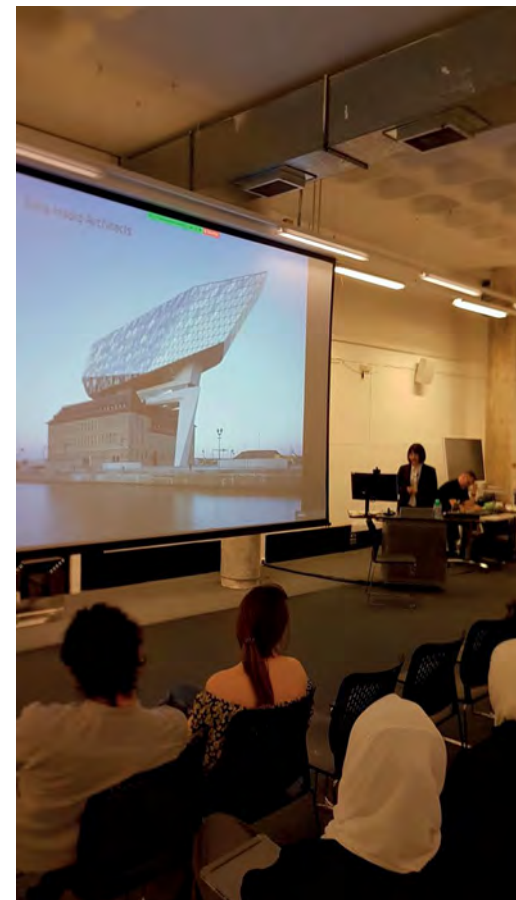
## Post Graduate Taught Programmes

**Asterios Agkathidis**  
PGT Lead Architecture

The Liverpool School of Architecture has a long and distinguished history of teaching and research and offers students an exciting, research-led environment in which to pursue their Master's studies. We offer four Postgraduate Taught Postgraduate degrees: the MA in Architecture (MA/ARC) the MSc in Climate Resilience and Environmental Sustainable Architecture (MSc CRESTA) and the MSc in Building Information Modelling and Digital Transformation (MSc BIM-DT) and the MA in Sustainable Heritage Management (MA SHAMA), which run in 2021-2022 for the first time. All Programmes share some common modules allowing discourse and exchange between the different disciplines. As COVID 19 restrictions have been lifted our students had the chance to enjoy the full student experience package, including field trips, lectures, reviews, exhibitions and the end-of-year show. This year's PGT cohort consisted of 55 students from various countries such as China, India, Greece, Pakistan, Saudi Arabia, Kuwait, Mexico, Iran, Turkey, Syria, Nigeria and the UK.

## Students

Elham Ahmadi	Jingyi Feng	Aneeta Pius
Hooshiair Ahmadpanah	Akshita Gupta	Pranay Mithilesh Pulipati
Naz Akdemir	Salma Ahmed Ashraf	Harshini Rajagopal
Haya A E A M AlDousari	Mohamed Hamed	Darsana Rajasekharan
Shima Hussain	Anya Elizabeth Harvey	Karnishree Rajendran
Aldhaferi	Po Hu	Ivan Alejandro Ramirez
Mark Alegbe	Xuan Huang	Gonzalez
Mohannad Altabbal	Meeradevi Kathaliyil	Ahson Haider Reza
Sandra Milagros Arias	Negin Kazemzadeh	Danial Riahi Mahabadi
Trujillo	Siyuan Liu	Bradford John Steer
Gustavo Becerra Ponce	Xingyu Lu	Revu Suresh
de Leon	Shreyans Mehta	Venkata Yamini
Soumya Girish Chandra	Saniya Sajid Memon	Chandralekha
Bhatt	Rahul Rangappa Metry	Thommandru
Daniel Thomas Byrne	Maysam Akram Mousa	Agnes Timothy
Aparna Chandana	Basha	Qi Wang
Sreekumar	Naveen Muraleedharan	Baoyi Xian
Pragna Chandra Kumar	John Kiama Mvaa	Beichen Xu
Jiyang Chen	Bhumika Naidu Mysore	Mengting Xu
Rongrong Chen	Harishkumar	Yini Ye
Evgenia Winifred	Melisa Ozyurek	Ying Zhao
Dickins	Alisha Agnes Pinheiro	
Ruiyi Fan	Karan Pirgal	



3 Architects x 10 Minutes Lecture talk, Man Jia, Zaha Hadid Architects  
MA in Architecture Students at the End of Year Show  
PGT cohort in the robotic lab  
Asterios Agkathidis



# MA in Architecture

**Asterios Agkathidis**  
Programme Director

*Studio Tutors*  
Asterios Agkathidis  
Dr Juliana Kei  
Dr Christina  
Malathouni

*Guest Critiques*  
Marianna Cavada  
(University of  
Lancaster)  
Yorgos Berdos  
(University of  
Edinburgh)  
Man Jia  
(Zaha Hadid  
Architects)  
Kyriakos  
Chatziparaskeuas  
(Heatherwick Studio)  
Filippo Lodi  
(UN Studio)

The MA in Architecture is designed for graduates and architects in practice wishing to further specialise in architectural design, develop their design and technical skills or follow a design research/research path to a PhD. Students may choose from a range of academic, research-based topics in specific areas that reflect their experience and interests, such as architectural theory, virtual reality and environments, climatic design, environmental assessment, parametric modelling, digital fabrication, BIM, urban planning and sustainable design.

As the COVID 19 restrictions have been lifted, our teaching activities went back to normal, including one field trip to London and one to Amsterdam, reviews, exhibitions, f2f lectures and the end-of-year show. This year's MA in Architecture cohort consisted of 25 students from various countries such as China, India, Greece, Iran, Saudi Arabia, Mexico, Kuwait, Turkey and the UK

## Students

- |                             |                     |                         |
|-----------------------------|---------------------|-------------------------|
| Naz Akdemir                 | Xuan Huang          | Ivan Alejandro Pulipati |
| Haya A E A M                | Negin Kazemzadeh    | Ramirez Gonzalez        |
| Shima Hussain               | Siyuan Liu          | Qi Wang                 |
| AIDousari Aldhaeri          | Xingyu Lu           | Beichen Xu              |
| Daniel Thomas Byrne         | Saniya Sajid Memon  | Mengting Xu             |
| Jiyang Chen                 | John Kiama          | Yini Ye                 |
| Rongrong Chen               | Melisa Mvaa Ozyurek | Ying Zhao               |
| Evgenia Winifred<br>Dickins | Karan Pirgal        |                         |
| Ruiyi Fan                   | Aneeta Pius         |                         |
|                             | Pranay Mithilesh    |                         |



Rotterdam Visit, Asterios Agkathidis



Amsterdam Visit, Asterios Agkathidis







London Visit  
Face-to-face tutorial, Design 2  
Asterios Agkathidis



Semester 2 final reviews  
Hilbre Island field trip  
All images by Asterios Agkathidis



## Two Hilbres Tide as concept of duality



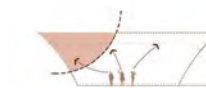
Type A | Sculptures columns



Type B | Two Hilbres Connection



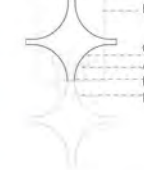
Type C | Relaxing Room



## Physical Model



## The Tide Column

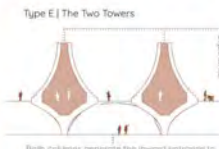
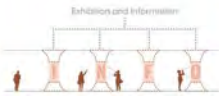


As part of the form finding and the conceptual process, the column tides appears as the materialisation solution to convey the idea of the tide and its duality.

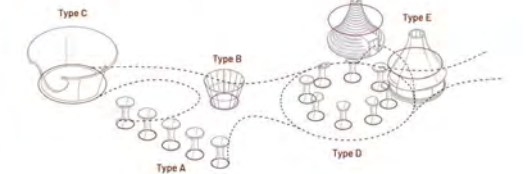
The conceptual physical model shown above, was created in order to understand this duality of the project, the proposed materialisation of the rock and the tide combined as one, and the different scales of the tide columns.

These columns shapes the Visitor Centre and, in their different scale, form the distinct spaces of the Centre.

Type D | Gallery

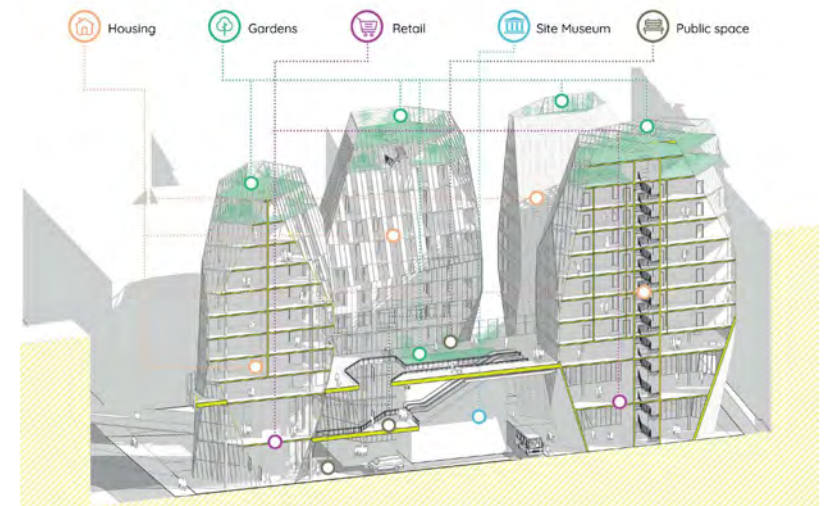


Type E | The Two Towers



## Alejandro Ramirez

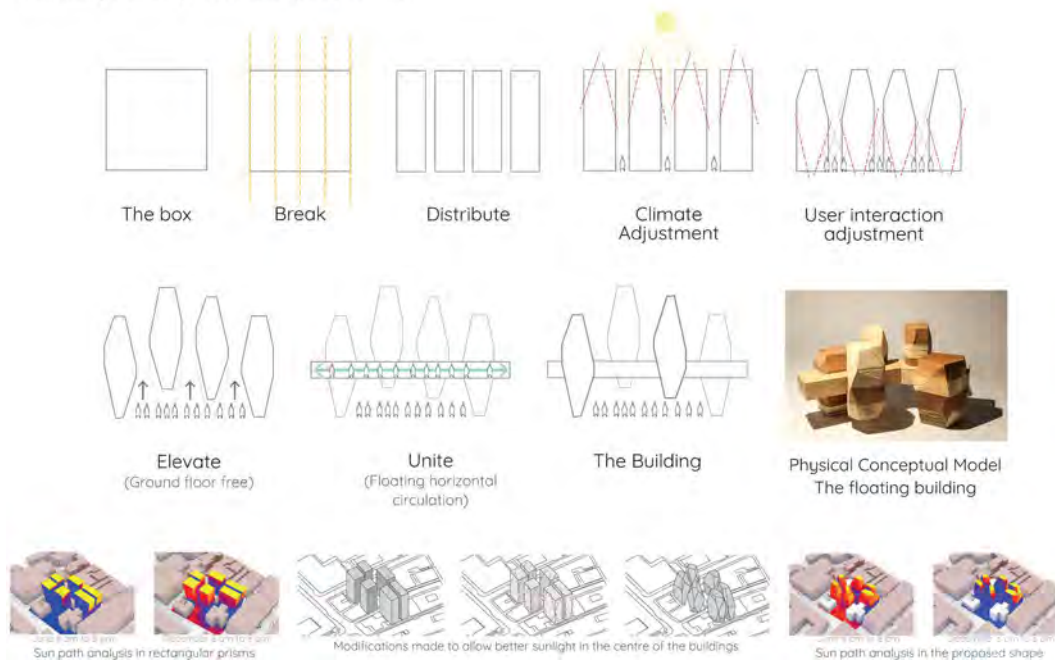
The Two Hilbres: Hilbre island visitor centre  
cgi/physical model/drawings





## TTM BUILDING

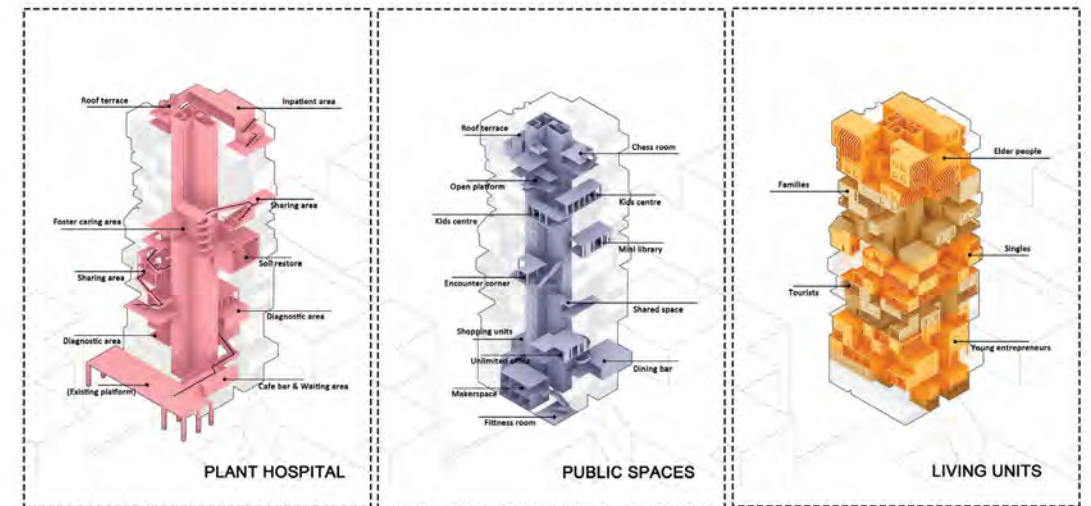
Housing buildings and Shopping Centre



### Alejandro Ramirez

TTM Building

cgi/physical model/drawings



### Beichen Xu

James St Tower

Axonometric drawings

CGI

## MASS ANALYSIS



### Mengting Xu

Moorfields Housing Complex  
Form-finding process

CGI

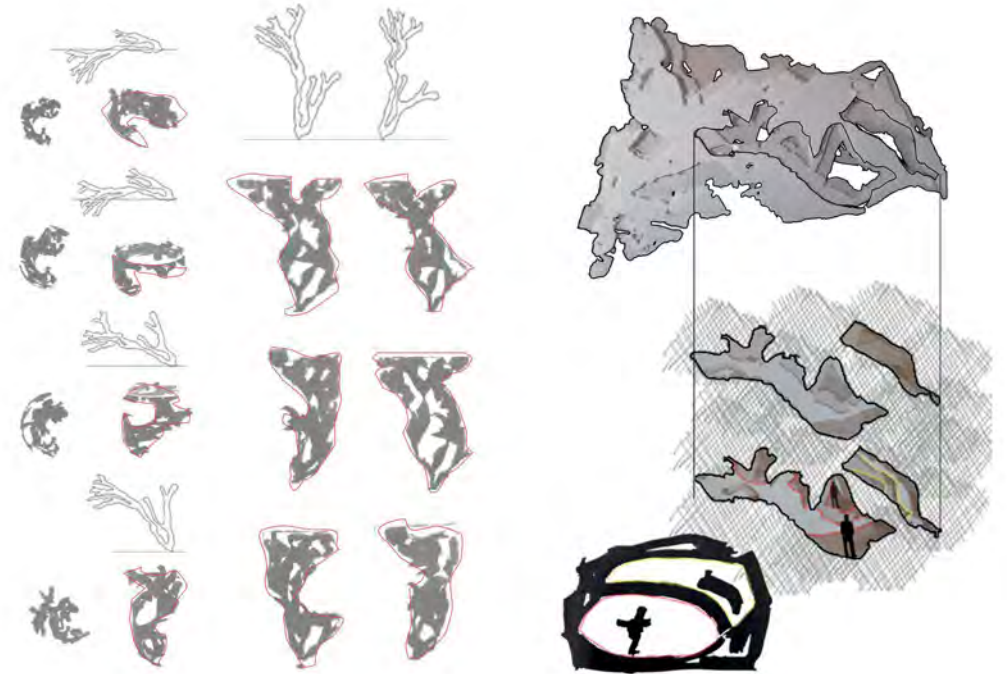


**Evgenia Dickins**

James St Tower

Section

Hand drawing



**Evgenia Dickins**

Hilbre Island Visitors Centre

Form-finding process and exterior view

cgi and physical models



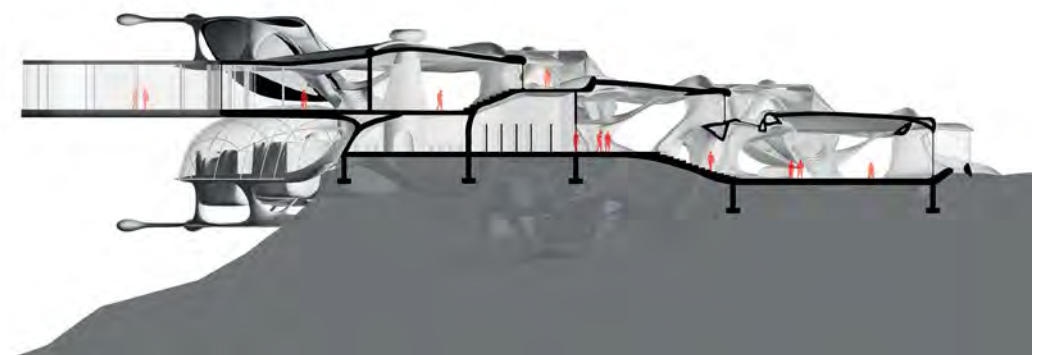




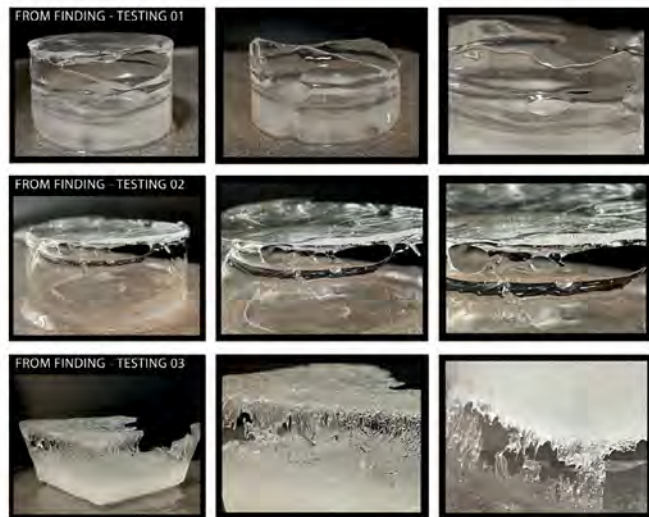
**Melisa Ozyurek**  
James St Tower  
Atmospheric exterior view  
*CGI*



**Melisa Ozyurek**  
Hilbre Island Hotel and Spa  
Atmospheric exterior view and cross-section  
*CGI*

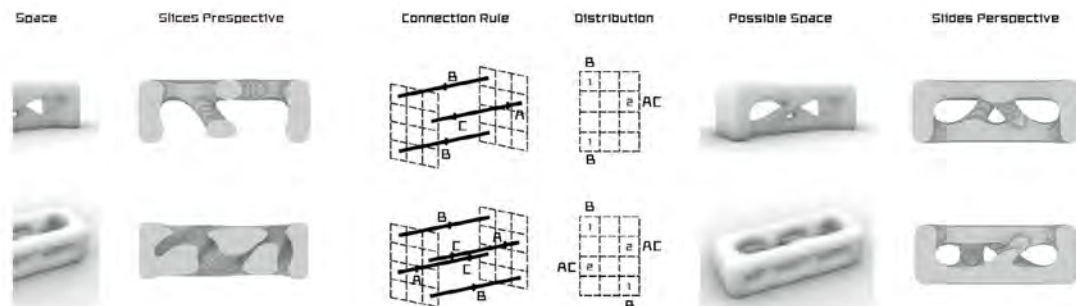






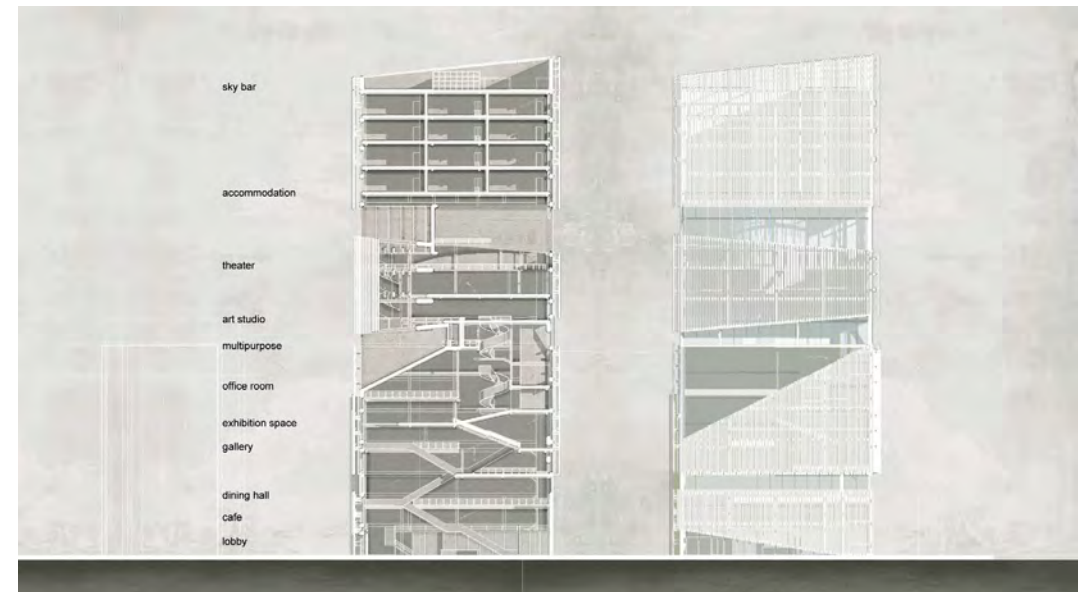
## FORM FINDING

Discovering architectural forms by learning from the melting ice. During the melting process, it shows the relationship between the solid and void which similar with the positive space and the negative of the architectural space.



## Beichen Xu

Hilbre Island Visitors Centre  
Form-finding process and section  
*CGI and physical models*



## Yini Yi

Tate Liverpool Gallery Extension  
Section/Elevation  
*CGI*



## Yini Yi

Hilbre Island Birdwatching Centre  
Perspective view  
*CGI*



The diagrams illustrate various architectural forms and their construction techniques:

- Left Perimeter:** A diagram showing a building's perimeter with a double-headed arrow indicating the width of the perimeter wall.
- Find the corners to maximize the views and sun exposure:** A diagram showing a building's corner with a curved arrow indicating the direction of the sun's rays.
- Index:** A diagram showing a building's vertical section with a central core and surrounding rooms.
- Suburban:** A diagram showing a building's vertical section with a central core and surrounding rooms.
- Cooperative community:** A diagram showing a building's vertical section with a central core and surrounding rooms.
- Core:** A diagram showing a building's vertical section with a central core and surrounding rooms.
- Control planning:** A diagram showing a building's vertical section with a central core and surrounding rooms.

Part-whole relationship

Brick volume

Brick grounded inside - visible double - where 1 object classes may exist on different topological spaces

Common focus by linking vertices

Increasing surround context - common focus

Axioly operators

Accidental consumption and parts - no lighting and no rendering

CGI



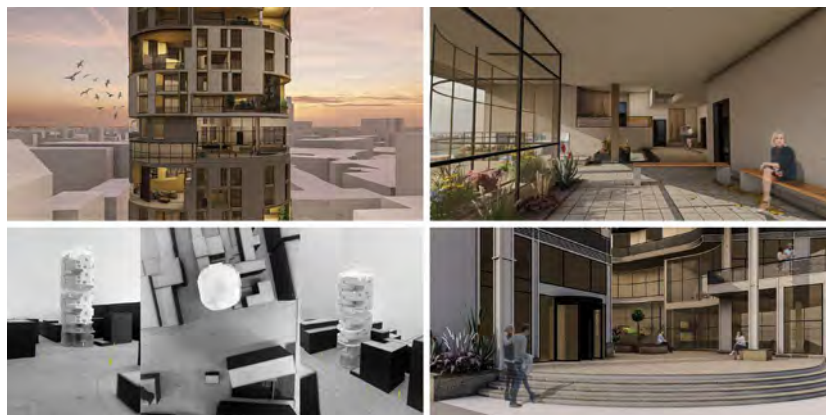
Diffuse Growth Pattern

Localized Growth Pattern

A growing Architecture



Hilbre Island Hotel and Spa  
Atmospheric images and form finding process  
*CGI and physical models*





# MSc Climate Resilience and Environmental Sustainability in Architecture (CRESTA)

Professor Steve Sharples

Dr David Chow  
Dr Jiangtao Du  
Dr Haniyeh Mohammadpourkarbasi

There is now an irreversible acceptance of the need to mitigate climate change, reduce the environmental impact of the built environment and to decarbonise energy supplies. Globally, policies are now being directed towards a net zero carbon future.

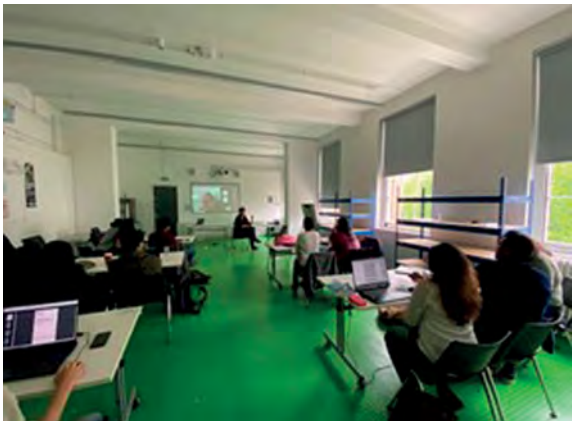
The MSc programme in Climate Resilience and Environmental Sustainability in Architecture (CRESTA) has been specifically designed to provide expertise for graduates (from a range of academic backgrounds) and professionals who seek to enhance their knowledge and skills for the development of climate-resilient and net zero carbon sustainable built environments.

CRESTA helps develop both practical skills in environmental assessment (such as dynamic energy computer modelling and life cycle analysis of operational and embodied carbon) and also a deeper understanding of the key principles in climate-sensitive design, planning for climate change, net zero carbon architecture and sustainable building and urban environments. In addition, CRESTA also provides specific analytical skills in the application of both quantitative and qualitative research methods and generic research skills, such as reflective learning, literature reviewing and



CRESTA students visit Lymm Hall, a Grade II Elizabeth manor, under refurbishment by Ecospheric Ltd and aiming for zero carbon. Dr Haniyeh Mohammadpourkarbasi

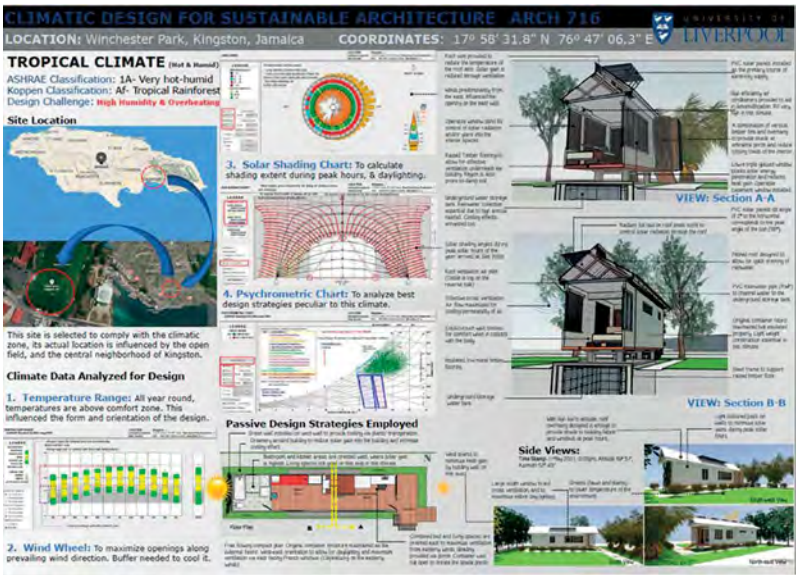
CRESTA students working closely with One Manchester, a provider of social housing, to design a social housing to Passivhaus standard. Dr Haniyeh Mohammadpourkarbasi



dissertation writing. CRESTA modules are taught in a variety of ways – traditional lectures, design projects with studio tutorials, computer workshops, learning from building case studies and field trips. All the CRESTA lectures in 2021-22 were delivered face-to-face by experienced researchers in the Liverpool School of Architecture and external speakers.

CRESTA values and encourages equality, diversity and inclusivity in its student cohort as a way of achieving a dynamic, stimulating and rewarding learning environment for all. Diversity can be seen in the wide variety of academic backgrounds and the range of nationalities present in the CRESTA student group – from interior design and landscape architecture to geography and civil engineering, and from South and Central America, via the Gulf, to India and China.

The relatively small size of the teaching groups encourages inclusive and supportive attitudes that are underpinned by modules, lectures and assignments that relate to climate resilience, sustainability, and net zero carbon issues in the student’s own country.



Example of climate-sensitive student coursework Dr Haniyeh Mohammadpourkarbasi



CRESTA students visiting the University of Liverpool's eco-refurbished heritage CHP energy centre Professor Steve Sharples



# MSc Building Information Modelling and Digital Transformation

**Dr Adonis Haidar**  
MSc BIM Programme  
Lead

Students  
Hooshiar  
Ahmadpanah  
Mohannad Altabbal  
Sedigh Belaid  
Soumya Girish  
Chandra Bhatt  
Jingyi Feng  
Salma Ahmed Ashraf  
Mohamed Hamed  
Joshua Hill  
Shreyans Mehta  
Rahul Rangappa  
Metry  
Naveen  
Muraleedharan  
Bhumika Naidu  
Mysore Harishkumar  
Darsana  
Rajasekharan  
Ahson Reza  
Danial Riahi  
Mahabadi  
Revu Suresh  
Baoyi Xian

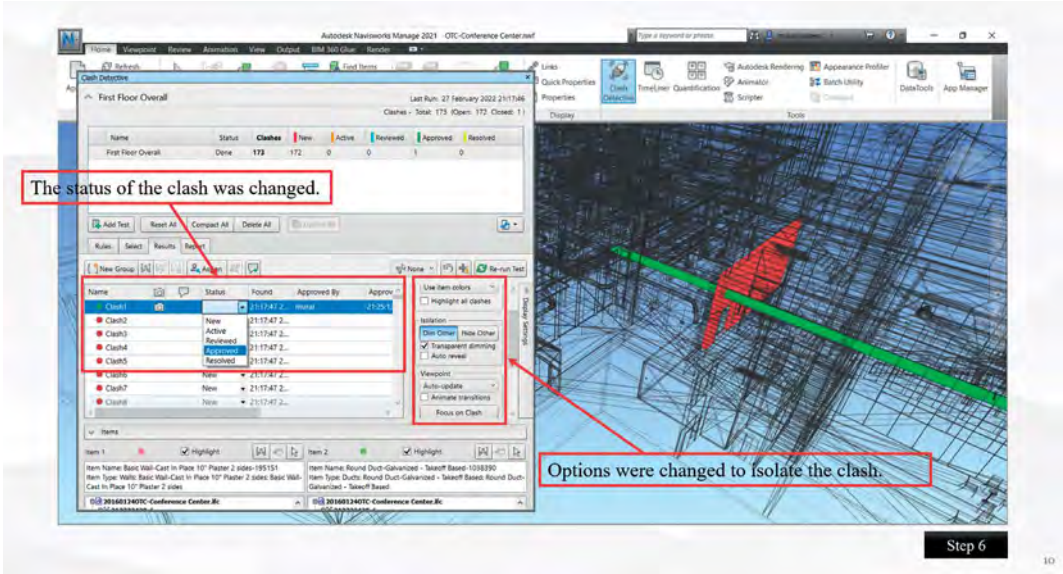
*Modelling Workshop*  
Adonis Haidar

Quite a successful year with a fantastic group of students from around the world. This year marked the launch of the new programme MSc BIM and Digital Transformation, which is the updated version of the former MSc Building Information Modelling programme. New modules were added to the programme to emphasise the interdisciplinary nature of BIM, and to expand the scope of the programme by introducing students to the wider context of BIM and the cutting-edge technologies that is forming the future of the AEC (Architecture, Engineering and Construction) industry, such as, Artificial Intelligence and Machine Learning, Internet of Things and Digital Twins, and Reality Data Capturing.

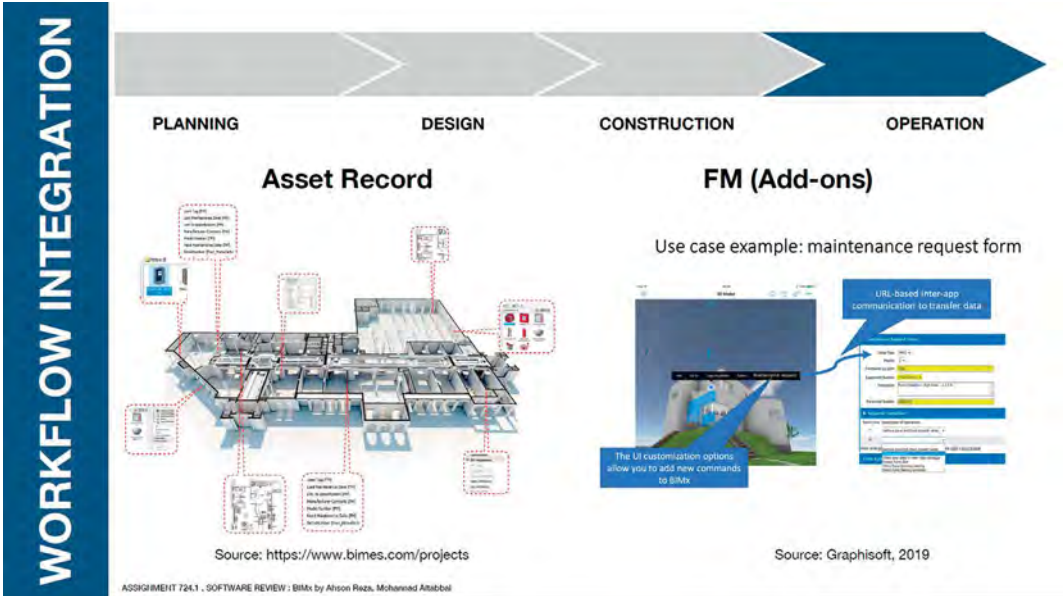
The students were introduced to a wide range of digital technologies, methods, theories and applications within interactive lectures, seminars and teamwork environments. The sessions were delivered by a group of lecturers from the University of Liverpool, with special guests from other universities, including, University of Salford, University of Cambridge, University of Huddersfield, École de Technologie Supérieure (Canada), and University of Politecnico di Milano (Italy). In addition to tutors from leading software development enterprises such as Graphisoft and Bentley Systems. Furthermore, a wide selection of BIM managers and professionals in digital design and construction from leading architectural and construction firms joined the course and introduced the students to the applications of the state-of-the-art construction technologies and methods in real practice. This included experts from Foster + Partners (London), John



Sisk and Son (Manchester), VINCI Construction (London), HILTI (Netherland), BIM Nuttal Ltd (Manchester), Mott MacDonald (Sheffield), Turner and Townsend (Manchester), Kingspan Insulated Panels (Cheshire), Conseillère en gestion des pratiques intégrées (Canada), and BIM Interoperability Expert Group (London).



*Clash Detection and Design Coordination*  
Naveen Muraleedharan and Darsana Rajasekharan



*Workflow Integration with BIMx (Graphisoft) – Student Presentation*  
Mohannad Altabbal and Ahson Reza



# MA in Sustainable Heritage Management

**Dr Ataa Alsalloum**

## *Guest Tutors*

Dr Alan Greaves  
Prof Bruce Gibson  
Prof Iain Jackson  
Dr Ranald Lawrence  
Dr Konstantina  
Georgiadou  
Claudia Briguglio  
Matina Vrettou



## *Special thanks*

John Hinchliffe  
Heather Alcock  
Matthew Crook  
Dr Abd Alkareem  
Sandra Penketh  
Francoise  
McClafferty  
Dr Liz Stewart  
Dr Martin Goffriller  
Sangeeta Bais  
Tim Greensmith  
Stephen Graham

<https://www.liverpool.ac.uk/study/postgraduate-taught/taught/sustainable-heritage-management-ma/module-details/>

This MA programme is an exciting and innovative programme, which aims to equip students with the interdisciplinary and multidisciplinary skills and knowledge needed to master aspects of sustainable heritage management theory and practice. The programme provides students with the chance to apply learning through a range of research and practice-based projects with a wide range of regional, national, and international partners not only via placement opportunities, but also by providing them with opportunities to engage with heritage experts via different teaching and learning activities.

As an inclusive and comprehensive course, it is a cross-departmental Master with contribution from History, Philosophy and Archaeology.

This MA programme is fully recognised by the Institute of Historic Building Conservation (IHBC), the UK's leading body for building conservation practitioners and historic environment experts. The course also follows the educational guidelines of ICOMOS, UNESCO and Council of Europe.

The programme embraces equality, diversity and inclusivity. One angle of diversity is evident in the wide range of academic backgrounds accepted for admission. A key strength of this programme is being based on both research-led teaching and hands-on activities. This is delivered by wide range of staff members, as well as practitioners who come from different backgrounds e.g. architecture, history, archaeology and philosophy and work at national and/or international levels. Moreover, the course content covers a wide range of different cultures (UK, Europe, Middle East & North Africa, India and China).

The optional placement may involve work experience in a cultural institution. Some of our heritage partners, who offer placements, are the National Museums of Liverpool, Liverpool Anglican Cathedral, National Slate Museum Wales, Victoria Gallery & Museum, and Port Sunlight Village Trust.

After successful completion of this IHBC recognised Master course, graduates will be able to either work in practice or continue their education towards a PhD.

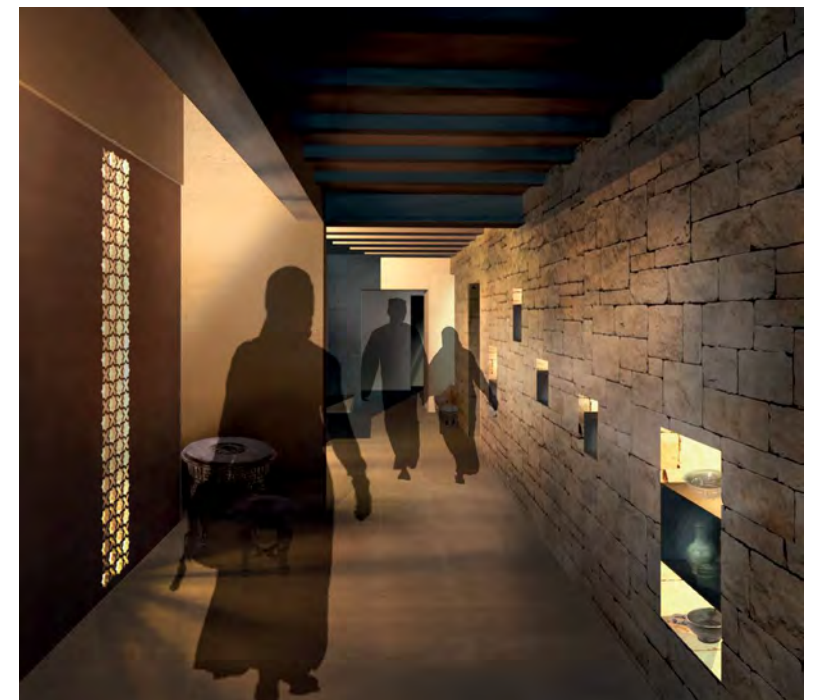
*Main Student Cohort  
Ataa Alsalloum 2021*



*Visit to Stanley Dock  
Ataa Alsalloum 2021*



*Vernacular settings:  
Preserving heritage,  
managing change,  
designing for  
sustainable futures  
Reuse of Bait Al Sail,  
Salalah, Oman by  
ArCHIAM*





## Exploring Intangible Cultural Heritage in the UK

**Dr Ataa Alsalloum**  
**Half day workshop**  
**Liverpool School of**  
**Architecture**  
**4 April 2022**

### *Participants*

Lucretia Ray  
Bradford Steer  
Pragna Chandra  
kumar  
Aufa Binti Abd  
Rahman  
Lewis Washington  
Razan Simbawa  
Noor Ragaban  
Rowena Creagh  
Anya Harvey  
Maysam Mousa  
Basha  
Po HU  
Eirini Kafa

### *Special thanks*

Clara Arokiasamy

Clara Arokiasamy OBE, President, ICOMOS-UK visited the LSA and co-led a workshop alongside Dr Ataa Alsalloum with our PG cohorts.

The aim was to develop an understanding of the role of United Nations Educational, Scientific and Cultural Organisation (UNESCO) around heritage protection; explore definitions of heritage through the lenses of Intangible Cultural Heritage (ICH); consider the development of the concept of ICH; facilitate an understanding of the UNESCO 2003 Convention, and identify key challenges and the progress being made in the UK to safeguard ICH and ratify the 2003 Convention.

The workshop was attended by both students and staff members who praised the experience.

One attendee stated “my understanding of intangible heritage has improved alongside a greater desire to see it celebrated”.

Another attendee highlighted “The most important lesson I took from the workshop is that communities should be empowered and that the diversity that exists ought to be celebrated. What differentiates us as communities is also what has the power to bring us together through mutual understanding and respect”.



*Ataa, Clara and the participants*  
*Ataa Alsalloum 2022*

## Site Visits MA in Sustainable Heritage Management

**Port Sunlight,**  
**Chester and**  
**Liverpool**  
**Both semesters**

### *Participants*

Bradford Steer  
Pragna Chandra  
kumar  
Anya Harvey  
Po HU

### *Special thanks*

John Hinchliffe  
Heather Alcock  
Matthew Crook  
Dr Abd Alkareem

Several site visits were organised accompanied by heritage professionals who have relevant experiences in each site. Some of these sites were Port Sunlight Village led by Heather Alcock, Chester historical centre led by Matthew Crook, and Al-Rahma mosque led by Sheik Dr Abd Alkareem.



*Chester*  
*Ataa*  
*Alsalloum*  
*2021*



*Port*  
*Sunlight*  
*Ataa*  
*Alsalloum*  
*2021*



*Al-Rahma*  
*mosque*  
*Ataa*  
*Alsalloum*  
*2021*





Extra Curricular  
Events and  
LSA Community



# Abercromby Square Railings Exhibition

October 2021

## Organisers

Anna Gidman

Sandy Britton

## Supported by

Molly Fitzpatrick

Wei Feng

Alex Dusterloh

Professor Fiona

Beveridge

School of the Arts

## Participants

BA3 and MArch

graduating

students 2021

Every summer architecture students display their final project work in a public exhibition in the Liverpool School of Architecture (LSA). This is a big event and final celebration of their studies.

Due to the pandemic the 2020 and 2021 summer exhibitions were impossible. We therefore created this exhibition on the railings of Abercromby Square to celebrate some of the outstanding work produced by our students last year despite the difficult learning situation

The boards displayed in the square showed work from our final year BA(Hons) Degree, MA and MArch students of 2021. These were chosen by our students from a much larger selection. (You can explore the projects shown here in more depth and discover more work at our Virtual School of Architecture.)

Our course in architecture is accredited by the Royal Institute of British Architects (RIBA) and the Architects Registration Board (ARB). As a result all modules must be passed! BA(hons) is three years followed by a two year MArch. Before qualifying as an architect at least 24 months of practical experience is required, finishing with a professional exam.

Projects at degree level are set by tutors, whereas project at masters level are self directed. We are unique as a school in the UK as our masters students work in groups. This encourages design collaboration, debate and discussion. It also emulates the profession; architecture is not really possible without a team.

This exhibition was timed for the start of the new academic year and to coincide with the inaugural Liverpool Architecture Festival (LAF).

Thank you to everyone involved in putting this exhibition together and to all our students for their hard work.

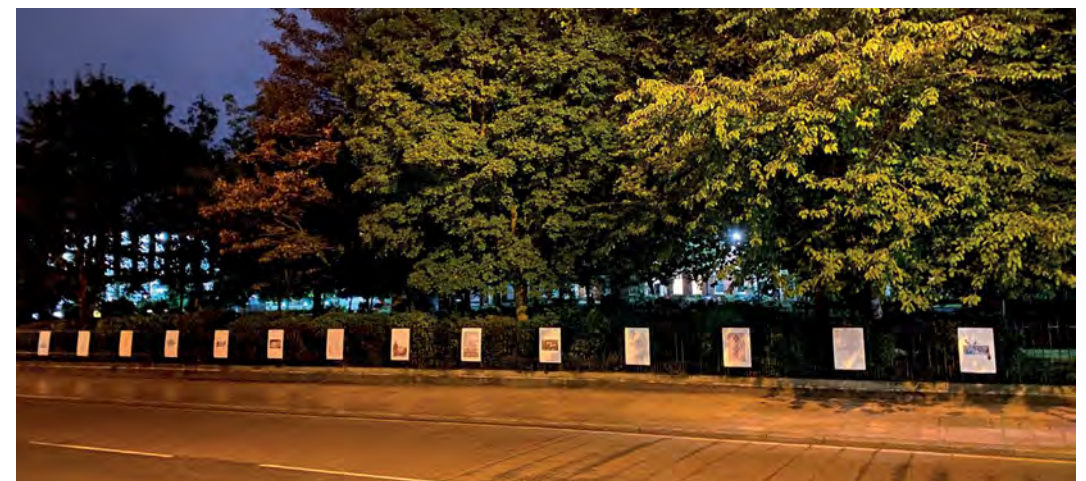
Professor Soumyen Bandyopadhyay

photographs  
@sandybritton

[www.liverpool.ac.uk/architecture/](http://www.liverpool.ac.uk/architecture/)

[about-us/virtual-tour/](http://about-us/virtual-tour/)

[www.laf-uk.com](http://www.laf-uk.com)





# What Now?

## Careers Days 2022

**Richard Dod**

Employability Lead

### Speakers

Dr Ataa Alsalloum  
MA in Sustainable  
Heritage Lead  
Asterios Agkathidis  
UoL, PGT Lead, MA  
Course Director  
Dr Katerina  
Antonopoulou  
UoL, Head of 4th  
Year  
and MArch  
admissions team  
Dan Barber  
Kier Group  
Jack Dunne  
UoL, MArch  
Admissions lead  
Peter Farrall  
UoL, RIBA  
Professional Services  
advisor  
John Caicedo  
UoL, International  
Advice & Guidance  
team  
Dave King  
Founder of ShedKM  
Moir McCaul  
UoL Careers  
Lucretia Ray  
UoL, Professional  
Studies advisor  
Roger Stephenson  
Founder of  
Stephenson Hamilton  
Riseley  
Richmal  
Wigglesworth  
Sheppard Robson

Both Careers Days were held in March this year. The *What Next?* event was held live in the Reilly Room and Stirling Gallery. Lectures delivered downstairs whilst practitioner tutorials on CV's and portfolios were held upstairs, surrounded by rows of BA3 Professional Practice posters.

The event was popular on all fronts. Individuals cherry-picked the talks which concerned them, joined in the tutorials of their friends and spent time together critiquing each others posters. Here was the social learning and togetherness long associated with our School which had formerly been so marginalised by external events.

The *What Now?* day was online and built further on the advice and development of skills provided at the previous event. There were inspiring talks. Roger Stephenson delivered a keynote lecture on his award-winning design for Halle St. Peters. Dan Barber entertainingly told us about the adventurous journey of his career in architecture – both home and abroad – since graduating from the School. Finally, five recent graduates – including two speaking from Shanghai – shared their own workplace experiences in our *How I Found Work* forum.

We trust that these events helped to prepare participating BA3 and MArch5 students for the next important stage of their respective careers and extend thanks to the course leads for their lectures, the practitioners review team and especially Dave King for his all-round contribution to the success of these occasions.

### Guest reviewers

Jasmin Eastwood  
Bridge architects  
Sarah Green  
Another Architecture +  
Interiors  
Stuart Pavitt  
Sheppard Robson  
Ben Prince  
Prince Architects



WHAT NEXT?  
CAREERS DAY | 03.03.22

REILLY ROOM

10AM: MEET THE ARCHITECT  
Guest reviewer introductions and Q&A

11:00: CV/PORTFOLIO TALK  
Dave King, Architect/Co-founder of ShedKM

12:00: STUDYING ON THE MA  
Asterios Agkathidis, Head of MA/Architecture PGT Lead

13:30: YEAROUT & PEDR ADVICE  
Lucretia Ray, UoL Professional Studies Advisor,  
Peter Farrall, RIBA Professional Services Advisor

14:00: STUDYING ON THE MARCH  
Katerina Antonopoulou, Head of 4th Year  
Jack Dunne MArch Admissions

15:00: HOW INTERNATIONAL STUDENTS CAN  
APPLY FOR A VISA TO WORK IN THE UK?  
Juan Caicedo, International Advice & Guidance team

BUDDEN

16:00: The Skills to Build a Different Future  
Moir McCaul, UoL Careers Advice Team

STIRLING

ALL DAY FROM 11 AM: HOW DO I GET A  
JOB?  
Sign up for a Portfolio/CV Advice tutorial.  
Bring a draft CV and/or Portfolio for informal  
feedback from a practitioner or sit in with a friend.



# International Women's Day Design Charette

**Philippa Mack**  
**Kudzai Matsvai**  
**Daniel Aston-Clarke**  
**Jamie Hole**  
 7-11th March 2022

Conceived and carried out by Student Led Groups Femin-AE, BLAC, QSoA and LSA Climate Crisis

This year the student-led groups collaborated for International Women's Day, creating a series of events lasting the full week alongside launching a design charrette open to all year groups and staff. Participants were asked to design a fun, innovative and sustainable pavilion to occupy Abercromby Square. The design criteria included a maximum of 25sqm, being an adaptable structure and a structural carbon budget of 10kg, to tie in with the Carbon Count exhibition coordinated by LSA Climate Crisis.

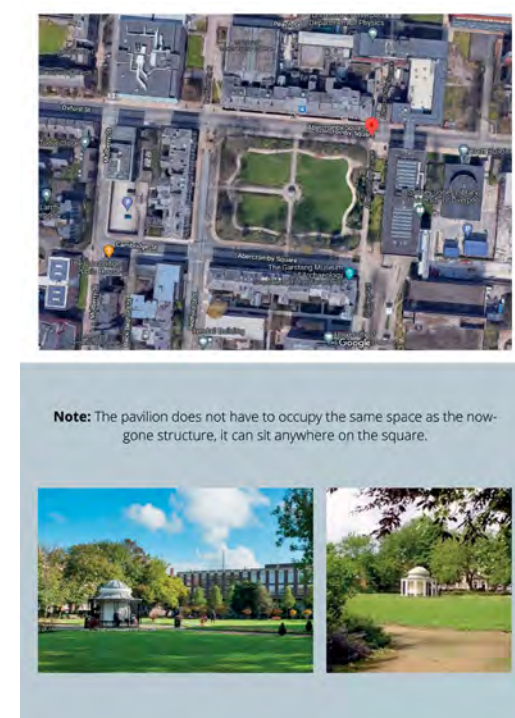
Moreover, participants were asked to design with specific marginalised voices at the heart of their projects, whether this was to celebrate queer women or highlight the experience of Black women, be an eco-conscious design or a space that celebrates women all year round.

The winning proposal by MABB Collective, four third year students, aimed to ensure the heritage of the existing pavilion was retained whilst intertwining a new and fresh idea which promotes the true spirit of Liverpool.

*The Abercromby Dome*  
 MABB Collective  
 (Harvey Munro, Amira Al-Najjar, Tom Barlow-Kay & Xhesika Bicaku)



Event Photos  
 Holly Parfitt-Knight





# Tactical Urbanism Now! Competition

**Dr Katerina Antonopoulou**

**January – April 2021**

MArch4 Year Lead  
Dr Katerina Antonopoulou

Studio 3 Lead  
Dr Marco Iuliano  
Valentino Capelo  
De Sousa

Organisers  
Terraviva  
Competitions

Students  
James Bower,  
David Grant, Lewis Washington  
Alfie Ashburner,  
Chetan Karadia,  
Naristha Naicker,  
Michael Witherwick  
Rufus Burrige,  
Walid Al Jaber  
Sam Mottram,  
Harry Waudby  
Jacob Chawner,  
Sam Hall, Magdi Khalil,  
Joseph Riordan

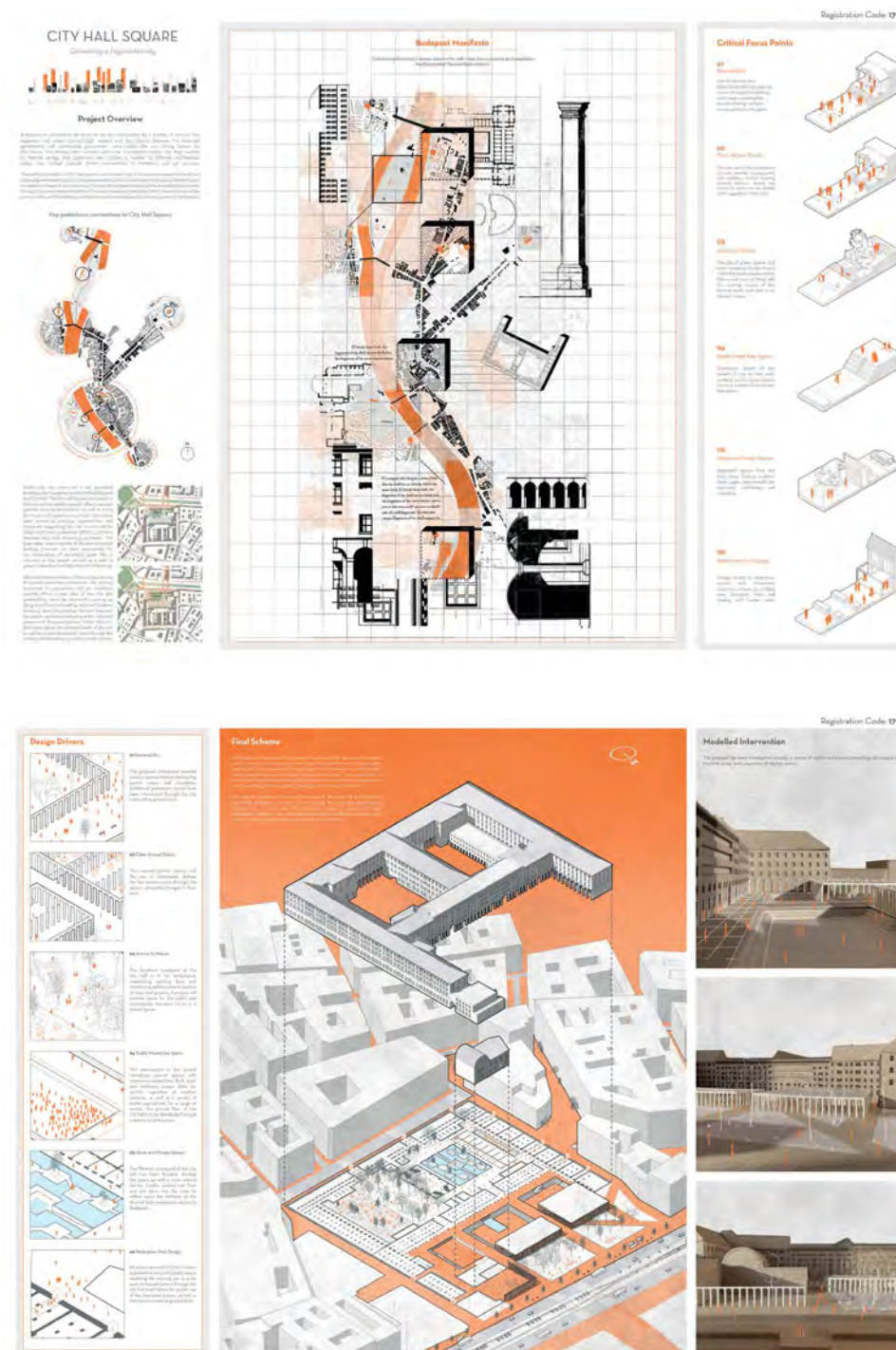
As part of the urban exploration of Budapest the MArch4 students worked in groups and engaged with a design question as posed by the city architect, Erő Zoltán: the development of the City Hall Square in Pest (Városháza Tér). The wider site has a very long history that traverses the history of the city itself and although it has been re-imagined by architects and urban designers multiple times in the recent past, none of these visions were ever realised.

Erő Zoltán exclusively announced in our end-of-year symposium in July 2021 the municipality's intentions to launch a new competition for the design of the square and we took this as a starting point for our exploration. By rethinking the space of the City Hall Square (but also of its adjacent sites), we attempted to redefine the civic values of Budapest today and to set up new relationships between built form and landscape, private and public space.

A selection of these projects were submitted at the 'Tactical Urbanism Now!' competition, organised by Terraviva. The competition asked participants to reimagine public space and to come up with new urban scenarios promote social exchange, community activities and citizens interaction through the implementation of multifunctional designs. The project 'Connecting a Fragmented City' by Jacob Chawner, Sam Hall, Magdi Khalil, and Joseph Riordan has received an honourable mention with a wonderful proposition. They were supervised by Studio 3 tutors Marco Iuliano and Valentino Capelo. Their light-touch intervention introduces mixed-use public spaces to the square and develops the courtyards in the city hall as extensions of these public spaces. Each space presents a unique experience, drawing on local community needs, native flora, and the unique thermal bath culture.

The Liverpool School of Architecture has funded the registration of the students to the competition.

See all the winning and shortlisted projects here: <https://www.terravivacompetitions.com/tactical-urbanism-now-competition-results-2021/>



*City Hall Square Connecting a Fragmented City: Competition Boards 1 and 2  
Jacob Chawner, Sam Hall, Magdi Khalil, Joseph Riordan*



# Stephen Lawrence Day Event 2022

**Kudzai Matsvai**  
**BLAC Founder**  
**Ed Cowperthwaite,**  
**Contributor**

*Group Contributors*  
Kudzai Matsvai  
Ed Cowperthwaite  
Myah Phelan  
Molly Fitzpatrick

*Special thanks*  
Sandy Britton and  
Ola Uduku for  
helping organise the  
Stephen Lawrence  
Day events.

This was one of  
a week of events  
organised by  
student led group  
BLAC to mark  
Stephen Lawrence  
Day

This Stephen Lawrence day we marked his death with a design charette set to celebrate a black teenager named Anthony Walker from Huyton, Merseyside, whose death drew striking similarities to Stephens. He died after he was struck in the head with an ice axe in another unprovoked, racially motivated, attack. Walker was only eighteen years old when he was murdered. To mark his death, we proposed that the Anthony Walker Foundation had asked the LSA to design a memorial park in his honour in Liverpool. The submissions had to consider the following criteria:

1. It must educate on and celebrate the life of Anthony Walker.
2. Contain a multi-purpose pavilion dedicated to advancing racial equity.
3. The built structure must emphasise sustainability.
4. The propositions should bring life to the currently derelict and overgrown site.

The winning proposal aimed to focus on Walker’s vibrant character with colours that represented his Caribbean heritage. The proposal was intended to be a community, exhibition, and performance space where people can learn about his life and legacy and was intended to involve the local primary schools through the creation of bright patterns that would become tiles. This submission also impressed us with its use of VR.

*Anthony Walker  
Event Photos  
Molly Fitzpatrick*



@blaccollectiveuol

*Winning Submission  
Images  
Myah Phelan, Patrick  
Allan*



## BPOC Bright Pavilion Of Culture

Located in the Georgian Quarter, the new pavilion is designed to celebrate the life of Anthony Walker and give visitors a chance to imagine change.

The design provides a multi-purpose pavilion with space to hold various events and an exhibition walkway aimed at showcasing work by the Anthony Walker Foundation and of black creatives in Liverpool.

The pavilion sits within a multitude of plants which re-establishes the beauty of the site and creates a natural boundary around space. Here visitors can removed themselves from the busy street, finding time to rest and appreciate the legacy Anthony Walker and the Foundation have left.

Contextual Design Drivers    Garden Boundary    Linear and existing circulation

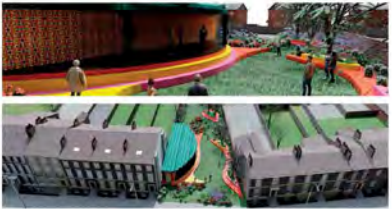


South West Elevation



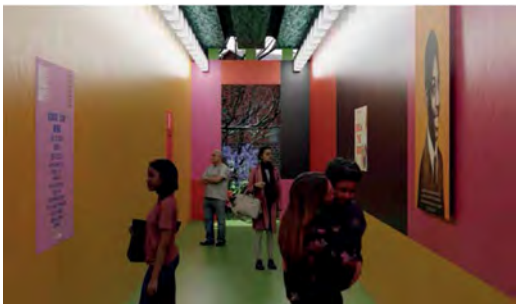
North East Elevation

MPAstudio



Unifying held visual language the painted cross-hatched timber facade draws on Anthony Walker's British-Caribbean heritage to convey new narratives of contemporary design that is inclusive and educational

[www.stephenlawrenceday.org/stephen-lawrence-day-foundation](http://www.stephenlawrenceday.org/stephen-lawrence-day-foundation)





# Heritage and Sustainability Symposium

Heritage and sustainability in education, research, policy & practice  
at the Liverpool School of Architecture

23 June 2022  
Liverpool School  
of Architecture

The event is organised by the Liverpool School of Architecture (LSA) in collaboration with ICOMOS-UK and sponsored by the RIBA NW's Conservation, Heritage & Sustainability Group.

The event is led by Dr Ataa Alsalloum, a lecturer in architecture and urban heritage at LSA, a founding member of the RIBA Conservation, Heritage & Sustainability Group and the Chair of the Education Committee at ICOMOS-UK.

listed as a  
LAF22 event  
www.laf-uk.com

*'Cultural heritage assets are sustainable by virtue of their existence for thousands of years. Inevitably, the continuity of cultural value, alongside environmental, economic and social aspects form the four pillars of 'Sustainability'. However, the flux of the on-going argument is how to collectively sustain heritage properties (cultural, natural, tangible and intangible) while safeguarding their inherited values.'* Dr Ataa Alsalloum

The LSA has been undertaking several teaching, research and empirical projects and initiatives to address the on-going challenge of sustaining heritage properties (cultural, natural, tangible and intangible) while safeguarding their underpinning values.

The event aims to celebrate this work by presentations and discussion shedding light on some of the education and research activities, besides offering an overview about the ongoing intervention projects within the LSA historical structure.

## Session one: Heritage and sustainability teaching initiatives.

### Presentations by staff members and students.

Welcomes: Professor Ola Uduku, Alex Dusterloh, Dr Ataa Alsalloum

BA3 Heritage Related Design Studio

Directors: Dr Nick Webb and Dr Ataa Alsalloum

Current students: Daisy Foster, Ryan Farrell

Alumni: Mirta Silvestri

MARCh postgraduate Jacob Chawner, James Hole

MA in Sustainable Heritage Management

Director Dr Ataa Alsalloum

Current MA student Hu Po

MARCh: Humanities and Architecture Dissertations in Heritage and Uncertain Sustainability, Dr Stephanie Koerner

MARCh postgraduate Eirini Kafa, MARCh, Philippa Mack

## Session two: A presentation by Dr Marco Iuliano

*'The designs of the LSA extension and adaptive reuse of its heritage structures'*

## Session three: Research and empirical projects activities around heritage and sustainability.

*'Tracing the Past: English Medieval Vaults'*, Dr Nick Webb and Dr Alex Buchanan

*'Re-Thinking Marginalised Railway Heritage in England's Cities – Using Liverpool as A Pilot Study'*, Dr Junjie Xi

*'Work on 20th-century architectural heritage'*, Dr Christina Malathouni

*'Hardwick Hall project'*, Dr Ranald Lawrence

*'Heritage and sustainability in terrace buildings in the UK'*, Dr Haniyeh Mohammadpourkarbasi

*'Digitally aided documentation and analysis of historical structures in Iraq: the Abbasid Palace and Al-Mustansariya Madrasa in Baghdad'*, Zainab Al-Maijidi, current PhD student

Heritage & Sustainability

23 June

Symposium



**Budden Lecture Theatre 5 - 9pm**

17:00-18:00  
Heritage and sustainability teaching initiatives. Presentations by staff & students.

18:00-19:00  
A presentation by Dr Marco Iuliano about the LSA extension and adaptive reuse of its heritage structures.

19:00-19:45  
Break/light sandwiches and networking

19:45-20:45  
Research and empirical projects activities around heritage and sustainability. Presentations by staff members and PhD students.

20:45-21:00  
Concluding remarks.

This event is organised by the Liverpool School of Architecture (LSA) in collaboration with ICOMOS-UK and sponsored by the RIBA NW's Conservation, Heritage & Sustainability Group.

UNIVERSITY OF LIVERPOOL

LSA<sup>22</sup>



# Carbon Counts Exhibition

**Jamie Hole LSA**  
**Sandy Britton LSA**  
**Anna Rank**  
**FCBStudios**

Anna Rank,  
 Creative Producer,  
 FCBStudios  
 Sandy Britton,  
 Project Producer,  
 LSA  
 Jamie Hole, Project  
 Producer, Climate  
 Action Student  
 Group LSA  
 Cassidy Wingrove,  
 Modelmaker,  
 FCBStudios  
 Ken Borg, Graphic  
 Design, Studio  
 Mothership

Technical support:  
 Stephen Bretland,  
 Fintan Dineen and  
 Fiona Gilmore

Press: Alys  
 Westmoreland,  
 School of the  
 Arts and Jenny  
 Stephens,  
 FCBStudios

Digital: Martin  
 Winchester, LSA

Support: Climate  
 Action Student  
 Group LSA

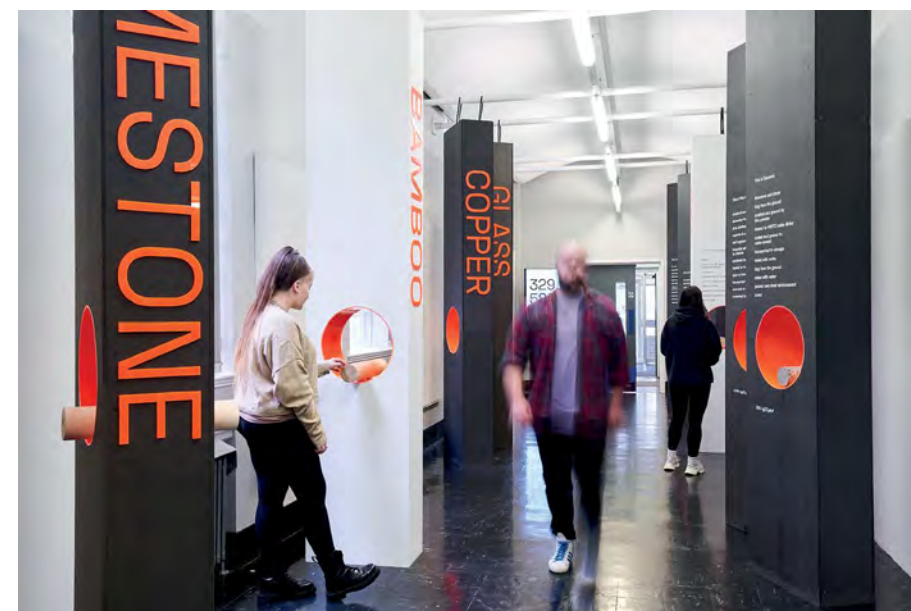
[www.fcbstudios.com](http://www.fcbstudios.com)  
[www.virtual-lsa.uk/carbon-counts/](http://www.virtual-lsa.uk/carbon-counts/)

From January to July, the Liverpool School of Architecture hosted the FCB exhibition *Carbon Counts* which explores the embodied carbon of some of the most common building materials used today. This public installation was a collaboration between FCBStudios, the Liverpool School of Architecture and LSA Climate Crisis – the School's student climate action group. It has been supported by School of the Arts Partnership Fund.

A concept of Feilden Clegg Bradley Studios, who have been at the forefront of low carbon architecture for over 40 years, the Carbon Counts exhibition draws together key metrics for ten materials – including steel, aluminium, concrete and timber – to illustrate the embodied carbon impacts of each.

By understanding how to measure the embodied and emitted carbon during the construction and life cycle of a building, architects are able to make better informed choices to improve the impact of buildings on the environment.

The exhibition itself has been designed to have a low environmental impact, while ensuring longevity. Tall 'totems' made of recycled wood house a sample of each material inside glowing acrylic tubes. The size of each material sample varies, representing an exact equivalent of 1kg of CO<sub>2</sub> emitted by its manufacture.



**Carbon  
 Counts**

by FeildenCleggBradleyStudios



**01 February –  
 May 2022**

Supported by  



Photos © Rob Battersby



LSA Climate Crisis student group works to increase awareness of the environmental impact of the construction industry, and how architecture can play a key role in mitigating climate change through conscious design. By working with FCBstudios and the School of Architecture to bring this exhibition to Liverpool, we have helped provide a tangible experience for students and staff about carbon impact of material choices.

*"This exhibition is an incredibly insightful experience for us students to grasp the impact of materials so commonly used in our design work and the industry.*

*"Moreover, it allows us to reflect on our designs with greater consideration of the materials choices we make and envision a more sustainable built environment."* Jamie Hole, MArch5 student and lead of LSA Climate Crisis

*'The Carbon Counts exhibition became a driver and a backdrop for a series of interactive events and activities engaging students (of architecture and wider university), industry professionals and general public. The generosity of FCBstudios and the passion of LSA Climate Crisis was a pleasure to work with and made producing this possible.'*

Sandy Britton Senior Lecturer LSA

Associated events include: [www.liverpool.ac.uk/architecture/events/guest/joejackwilliams/www.liverpool.ac.uk/architecture/events/guest/carboncountsheritageand sustainability/](http://www.liverpool.ac.uk/architecture/events/guest/joejackwilliams/www.liverpool.ac.uk/architecture/events/guest/carboncountsheritageand sustainability/)

*"We are delighted to host the Carbon Counts exhibition at LSA. As a school we are committed to supporting sustainability initiatives in architectural design: our student-led LSA Climate Crisis group have been involved in climate activism in recent times and attended the Glasgow COP26 conference.*

*"Hosting this exhibition contributes further to our commitment to the cause of sustainability, allowing us to promote discussion of and engagement with this global issue of our time."*

Head of the School of Architecture, Professor Ola Uduku

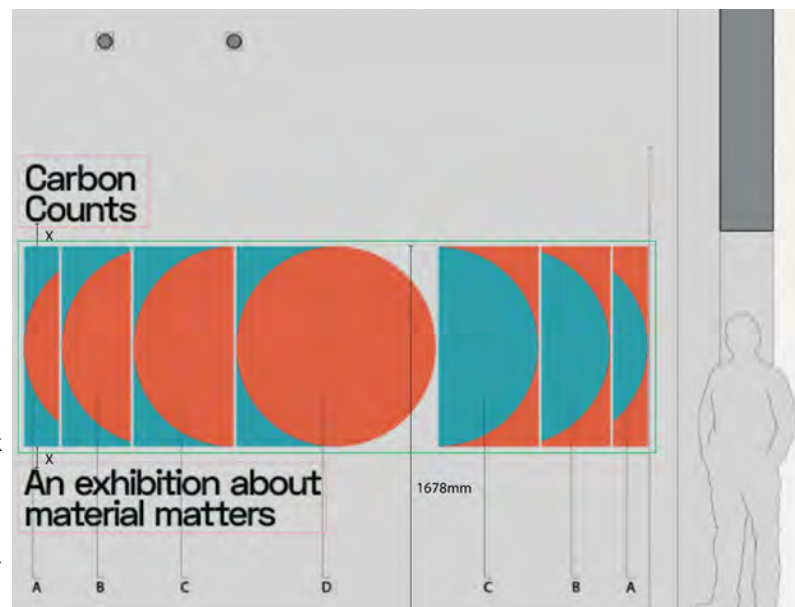
To widen reach and impact of exhibition we created accessible resources for use by schools or families. These have been made available on the exhibition home page.

[www.virtual-lsa.uk/wp-content/uploads/2022/03/CC-Liverpool-Schools-Resource-V2.pdf](http://www.virtual-lsa.uk/wp-content/uploads/2022/03/CC-Liverpool-Schools-Resource-V2.pdf)

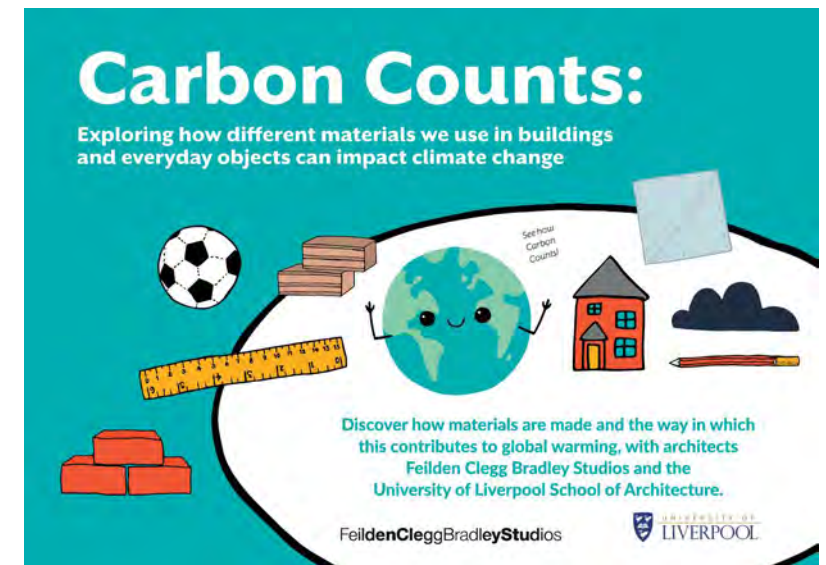
[www.virtual-lsa.uk/wp-content/uploads/2022/03/CC-Liverpool-Schools-Resource-6th-Form-V2.pdf](http://www.virtual-lsa.uk/wp-content/uploads/2022/03/CC-Liverpool-Schools-Resource-6th-Form-V2.pdf)

<https://fcbstudios.com/fcbcarbon> a whole life carbon review tool

Image of a graphic by Ken Borg



Window vinyls  
[www.benson-signs.co.uk](http://www.benson-signs.co.uk)  
Wall vinyls  
[www.with-print.co.uk](http://www.with-print.co.uk)  
[www.liverpool.ac.uk/architecture/community/student-ledgroups/](http://www.liverpool.ac.uk/architecture/community/student-ledgroups/)



[www.virtual-lsa.uk/resources-for-schools/](http://www.virtual-lsa.uk/resources-for-schools/)



# Carbon Counts: Heritage and Sustainability

## An evening of discussion and debate

**Liverpool School of Architecture and Feilden Clegg Bradley Studios**  
**Liverpool School of Architecture**  
**May 5th 2022**

Organisers of this event were:  
Sandy Britton, (Liverpool School of Architecture) and Anna Rank (Feilden Clegg Bradley Studios)

Sound and film:  
Russell Blythe  
University of Liverpool and Martin Winchester LSA  
Project support:  
LSA climate crisis:  
Jamie Hole, Ffion Douglas, Conor Foster  
Refreshments:  
Delifonseca  
Supported by:  
School of the Arts, Feilden Clegg Bradley Studios and Liverpool School of Architecture

This round table discussion, a joint production of LSA and FCBstudios, took place live and in person at Liverpool School of Architecture and was simultaneously shared live on the platform of Zoom to audiences around the world.

*“Against the backdrop of the climate emergency, achieving sustainability in heritage and listed buildings is imperative. This event will explore the decisions that are faced when conserving and adapting historic buildings: how do we care for our cultural heritage in the face of a climate and ecological crisis? How can we upgrade the performance of the building fabric while maintaining cultural significance? What part does the Historic Environment have to play in helping us learn how to live responsibly? How does the embodied carbon of our historic buildings inform our understanding and approach to their reuse? What more can we do to make the re-use of historic building a solution to the crisis?”*

Our expert panellists each presented their ideas and knowledge and then, chaired by Dr Barnabas Calder, discussed and answered lively audience questions. Informal conversations over refreshments followed with the visiting audience of students, public and industry professionals.

Panellists were:

**Chaired by: Dr Barnabas Calder University of Liverpool School of Architecture**  
**Dr Christian Baars National Museums Liverpool**  
**Dr Joe Jack Williams FCBS**  
**Geoff Rich FCBS**  
**Dr Haniyeh M Karbasi University of Liverpool School of Architecture**  
**Professor Soumyen Bandyopadhyay University of Liverpool School of Architecture**



Heritage and Sustainability Panellists. Left to Right: Geoff Rich (FCBstudios) Dr Christian Baars (National Museums Liverpool ) Dr Haniyeh M Karbasi (LSA) Dr Barnabas Calder – chair (LSA) Professor Soumyen Bandyopadhyay (LSA)



[www.liverpool.ac.uk/architecture/events/guest/carboncounts/heritageandsustainability/](http://www.liverpool.ac.uk/architecture/events/guest/carboncounts/heritageandsustainability/)  
<https://fcbstudios.com>  
[www.liverpoolmuseums.org.uk](http://www.liverpoolmuseums.org.uk)



## 4x4 Wales Build Project – Studio in the Woods

**Lucretia Ray**  
**North Wales**  
**10th-12th June**  
**2022**

*Organisers*  
 Martin Shutt/Unit3  
 Design  
 Anthony Fogg/  
 Unit3 Design  
 Keith Webber

After a forced hiatus due to Covid, 20 BA1 students took part in the annual 4x4 Wales project. This year it took the form of the design and build of a timber shelter for the Scouts in woods in North Wales. Students expressed their interest early in Semester 2 and, working with Unit 3 Design over several weeks, developed a sketch scheme for Client approval.

During the weekend workshop, the students were able to complete the smaller structure but didn't get the cladding to the larger structure quite finished. However, the client was over the moon with the progress made in just 2 days.

The workshop is organised and run by Martin Shutt and Anthony Fogg from Unit3 Design and Keith Webber.

One of the participating students, Fatima Matana, observed

*'I learnt a lot from this experience, especially when helping with the build, from how to lay the proper foundation to the best kinds of nuts and bolts used for stability. Although it's unfortunate that we weren't able to complete the cladding, I must say that as a team, we did a wonderful job, giving it our all and certainly laying the essential foundations for the building.'*

*The team*  
 Martin Shutt



*Participants*  
 Sumira Ahmed  
 Ahmad Alfakhuri  
 Helin Ali  
 Byan Basahey  
 Oakley Bates  
 Alicia Beams  
 Suzannah Brookes  
 Matt Fitzgerald  
 Volencia Guo  
 Sherry Ingham  
 Nick Jackson  
 Lewis Jones  
 Harshitha Kommi  
 Fatima Matana  
 Charlie Mullins  
 Liam Parker  
 Anshika Sharma  
 Charlie Smith  
 Mahmoud Suraj  
 Charlie Wells

*Special thanks*  
 Rod/Woodlandskills  
 Centre

*Working on the build*  
 Martin Shutt



*Working on  
 the larger  
 structure's  
 mezzanine floor*  
 Martin Shutt





# Ideas for Huyton

## An exhibition of Huyton Village High Street Renewal activations and regenerations by Studio Pen and Inc

**Sandy Britton LSA**  
**Project Director**  
**Dr Fei Chen LSA**  
**(Urban Form and**  
**Social Space**  
**research group)**  
**Project Director**  
**22-29th June**  
**6-8 Derby Road**  
**Huyton Village**

*Thank you to:*  
Exhibition and Event  
Team: Patrick Allan,  
Samantha Evans,  
Xhesika Bicaku,  
Amira Al Najjar,  
Nihaad  
Choudhury, Leontina  
Frunza, Harvey  
Munro, Donny  
Dailyda, Yuan Zhang,  
Qifeng Hou,  
Guyu Bao, Molly  
Fitzpatrick, Emma  
Smith, Conor Foster,  
Holly Knight Parfitt,  
Tony Lees

[www.liverpool.ac.uk/architecture/research/urbanformandsocialspace/](http://www.liverpool.ac.uk/architecture/research/urbanformandsocialspace/)

[www.architectural-emporium.co.uk](http://www.architectural-emporium.co.uk)  
[www.knowsley.gov.uk](http://www.knowsley.gov.uk)

The exhibition, *Ideas for Huyton*, brings 'home' the high Street visioning projects of BA3 Studio Pen and Inc to Derby Road, Huyton. The students' work was displayed on the street, across the threshold of the venue 'Common', and in the windows of an empty shop unit on Derby Road. The exhibition generated conversations and interests from passers-by about their high street.

The launch event in 'Common' was attended by the public, the council and industry professionals creating a forum for discussion and reflection.

*"The students have delivered some fantastic designs and ideas and have clearly taken on board some of the feedback about what residents and visitors want to see. The plans for Huyton Village Centre are really exciting and the Council are keen to explore ideas to make best use of the space."*

Cllr Tony Brennan, Cabinet Member for Regeneration and Economic Development

<https://www.knowsleynews.co.uk/architecture-students-showcase-their-designs-for-huyton-village-centre/>

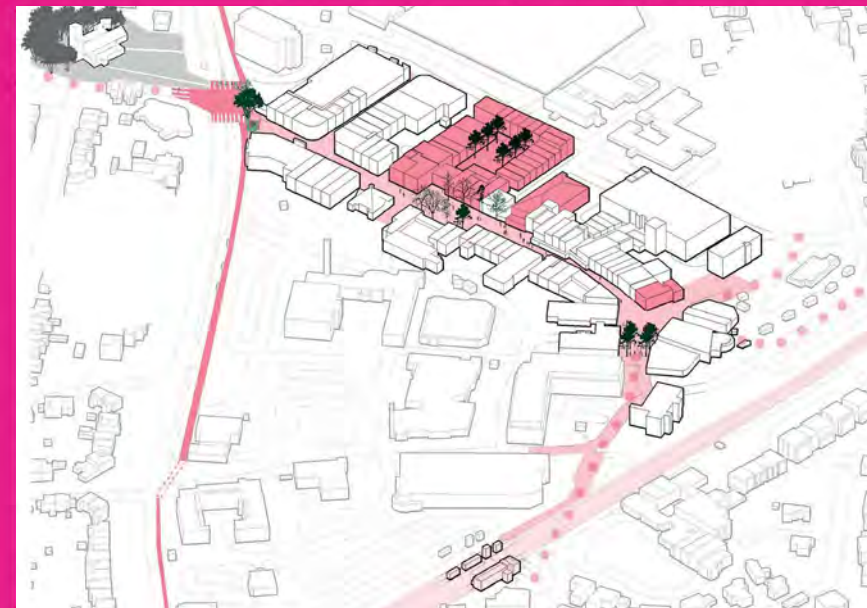
The studio has worked in collaboration with: Architectural Emporium, a Liverpool based chartered practice, Dr Fei Chen from the research group *Urban Form and Social Space*, and Knowsley Metropolitan Borough Council to identify the post-pandemic challenges faced by Huyton and to test design solutions.

In semester 1, students envisioned a micro-plan and a meanwhile proposal for the Signature High Street. Projects provided either a temporary, reusable solution to a current challenge, or acted as an activator to test a specific need or a specific activity.

In semester 2, after consultation with the public in Huyton through an online survey, students visioned three types of building complex on three high street sites which had the

# Ideas for Huyton

: by young Architects in the making



Huyton Village Samantha Evans

**Dates** : 22nd June – 29th June 6 to 8 Derby Road

**Launch** : 22 June 2022. @COMMON, 24 Derby Road. 11 – 3 pm

### Speakers at Noon Include:

James Duncan Executive Director (Resources) Knowsley Metropolitan Council  
Luke Cooper Director Architectural Emporium  
Dr Fei Chen Urban Form and Social Space, University of Liverpool.  
Sandy Britton RIBA Liverpool School of Architecture.

### Students

Patrick Allan  
Amira Al-Najjar  
Charlotte Bailey  
Amer Balan  
Guyu Bao  
Charlotte Bebb  
Xhesika Bicaku  
Monica Chen  
Nihaad Choudhury  
Donny Dailyda  
Angela Duka  
Duyo Egwudale  
Sam Evans

Amina Farooq  
Leontina Frunza  
Qifeng Hou  
Zoe Huang  
Malak Ismail  
Sunil Kim  
Bettuel Mehdil  
Harvey Munro  
Som Phoeuk  
Emma Smith  
Yifan Su  
Yiqun Tang  
Bo Wang

Alex Wignall  
Jingbo Zhang  
Jingshu Zhang  
Yuan Zhao

### Tutors

Sandy Britton  
Sarah Green  
Tony Lees  
Giles Wheeldon  
Stuart Gee

### Special Thanks

Dr Fei Chen  
Architectural Emporium  
Knowsley Metropolitan  
Borough Council  
Rachael James  
Stuart Ashford  
Luke Cooper  
Simon Clegg  
David King  
Gemma Chong  
Trevor Skempton  
Dr Hanan Chen  
Arif Rashid  
Avant Young  
Dr. Bushra  
Holly Knight Parfitt  
Molly Fitzpatrick



Ideas for Huyton Poster



Thank you to  
Launch Speakers:  
James Duncan  
(KMBC)  
Luke Cooper (AE)  
Dr Fei Chen  
(UoL\_UFSS)  
Samantha Evans  
(LSA)  
Emma Smith (LSA)  
Amira Al Najjar (LSA)  
Intro: Sandy Britton  
(LSA)

Thank you:  
Joel Lawson  
Jennifer Mallen  
(Avison Young)  
Mark Bingley  
Jonathan Kearney  
Jonathan Lowe  
(KMBC)  
Cllr Tony Brennan

Thank you to  
our venue hosts  
COMMON and our  
guests and visitors  
on the day

BA3 Studio Pen and  
Inc continued its  
theme Liveable cities  
and Fragile Futures.  
Its work explores the  
balances to be found  
between social,  
sustainable and  
economic demands  
to create vibrant,  
happy and healthy  
places to live and  
love.

highest development potential. Sherbourne Square was to be a Community Housing-based hub; Mayfair Cinema site an Arts and Culture focussed hub, and the William Hill site a Health and Well-being based hub. All proposals aimed to reuse and renew existing buildings which were significant heritage for Huyton.

For stakeholders in Huyton, students' design scenarios provided valuable visions for the high street's future. For the students, the involvement in a real-life development project proved to be a highly effective learning mechanism. For the researcher, the collaborative process of design-led regeneration offered interesting insights.

*"collaboration is essential – a high street should be an eclectic mix of building types and uses and therefore can only benefit from a collection of ideas, rather than a design from a single person or practice."* Luke Cooper Architectural Emporium Ltd

A reflective paper on the collaborative process of design is in the making, and to be presented at the ISUF 2022 Conference.

A report of the project and some valuable design recommendations for local design policies will also be produced in July to assist the street's sustainable and zero-carbon development.

This collaboration between Sandy Britton, Fei Chen, Architectural Emporium and the local council has been supported by the Research Development and Initiative Fund of the School of the Arts and the Flexible Impact Fund of the HSS, University of Liverpool.

- 1 Ideas for Huyton Exhibition 6-8 Derby Road and team
- 2 Councillor Tony Brennan (far left) with KMBC, LSA and AE project collaborators. (L-R James Duncan, Tony Lees, Michael Southern, Mark Bingley, Sandy Britton Dr Fei Chen, Luke Cooper) ©Jonathan Kearney
- 3 Ideas for Huyton Launch. Artificial Intelligence. Patrick Allan and James Duncan (KMBC)
- 4 Ideas for Huyton Launch. Common threshold
- 5 Ideas for Huyton Sandwich Boards
- 6 Ideas for Huyton Launch. LSA Student and Teaching Team





## Budapest Trip Summer 2022

25th June–  
29th June

*Organised by*  
Dr Katerina  
Antonopoulou

*Tutors*  
Johanna Muszbek  
Jack Dunne  
Valentino Capelo

*Students*  
Hamaad Akram  
Walid Al Jaber  
Hasanain Al-Jawad  
Alfie Ashburner  
Aidil Faizi Bin Supaat  
James Bower  
Rufus Burrige  
Jacob Chawner  
Heather Coleman  
David Grant  
Samuel Hall  
Magdi Khalil  
Dean Moore  
Josph Riordan  
Chin Fung So  
Ismail Tamimi  
Lewis Topping  
Lewis Washington  
Harry Waudby  
Michael Witherwick

Our study trip to Budapest saw us explore a city combined by two cities, Buda and Pest, famous for its thermal baths, coffee houses and bustling nightlife. The city is grand in appearance, with 19th century tenement courtyard buildings forming a coherent cityscape. The experience combined architectural walking tours with social celebrations to form a diverse and memorable experience.

The trip provided us the opportunity to experience a city first-hand. All our fourth-year projects were positioned in the city, responding to remote discovery. This made walking through the streets of Budapest feel familiar despite having only been experienced through a screen lens.

We discovered an eclectic mix of historic architecture on the trip, from the Gothic Mathias Church and the Castle District in Buda to the Hungarian Parliament, neo-Renaissance St. Stephen's Basilica and the Moorish Dohány Street Synagogue. We experienced exciting contemporary architecture; the considered materiality at O'Donnell and Tuomey's Central European University, the shimmering metal and glass structure blending interior with exterior at the Hungarian House of Music, and the Sloping Museum of Ethnography with its rooftop garden and viewing platform.

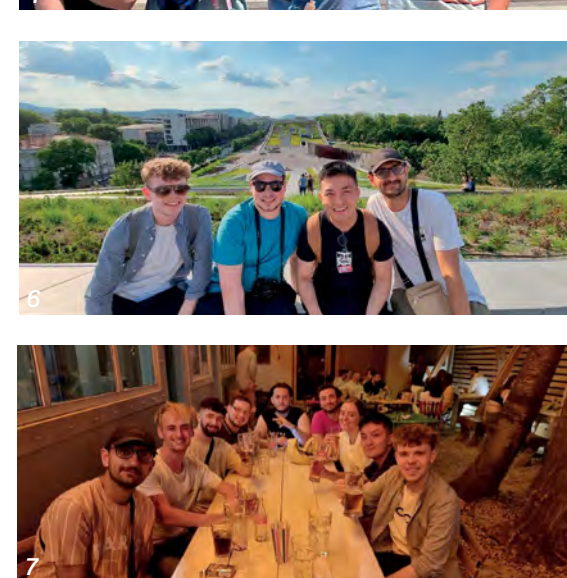
It was interesting to experience the perspective of studying architecture in Budapest through our tour of the architecture department at Budapest TU. Liverpool students also presented work to academics at the Moholy-Nagy University of Arts and Design.

Overall, this was just as much a social experience as an architectural one. We explored the Széchenyi Thermal Baths, socialised at the ruin bars, and partied on the River Danube. This was a time to develop stronger connections with each other, discuss architecture and experience the culture of Budapest.

David Grant

1 Liverpool John Lennon Airport,  
Waitress  
2 Széchenyi Fürdo, Magdi Khalil  
3 Ruin Bar, Bystander  
4-St. Stephen's Basilica,  
Valentino Sousa

5 A38 Ship Sunday Session,  
Unknown  
6 Néprajzi Múzeum,  
Aidil Faizi Bin Supaat  
7 Ruin Bar, Aidil Faizi Bin Supaat  
8 House of Music, David Grant





# Venice Biennale 2022

## British Pavilion: Feeling her way – Sonia Boyce

**Rim Yassine Kassab**  
PHD student  
Fellow group  
April-May 2022

I was thrilled to be selected for a month research residency in Venice for the Biennale Fellowship. This programme is a partnership between the British Council and University of Liverpool, to experience international exhibition work and contribute to the creative sector with the development of my own project. It is an opportunity to immerse yourself in Venice, a city example of human ingenuity and cultural inheritance.

I found Sonia Boyce work fascinating, as she used music and the 'voice' to reduce the emotional distance between people. It is particularly essential today, after the social isolation we all experienced with COVID. Sonia knows that music builds a sense of community and inclusivity. She included in her project artists from different backgrounds, pluralist identities, but all part of the Black Art movement. She played with this idea of freedom, and investigated conditions that lead to freedom of expression. For all of the reasons cited, the British Pavilion won the Golden Lion Award this year.

Besides my work in the pavilion, where I guided visitors and explained to them the depth of the work, I also developed an artistic project, aiming to have a social impact through culture and creativity. My project aim was to play with the ideas of metamorphosis and permanence, through the city of Venice, the most recognizable city of the world. It was a way to show that Venice is more than just a suspended city in time, but it possesses other facets to it.

The University of Liverpool, British Council is a fellowship partner supporting LSA students to the Venice Research Fellowship Programme. [www.venice-biennale.britishcouncil.org/fellowship](http://www.venice-biennale.britishcouncil.org/fellowship)

Sonia Boyce Exhibition  
at the Venice Biennale  
@Rim Yassine Kassab



## Temporary Spaces for Worship:

### A Mapping Analysis of Informal Praying Areas in Venice, Italy

**Razan Simbawa**  
PHD Student  
Fellow Group  
Aug-Sept 2022

Fellows undertake a unique opportunity to help host the British Pavilion and undertake a research residency promoting international arts collaboration.

My research is an investigation of the temporary places which Muslims transform and use to pray in the urban setting of Venice. Muslims perform the act of praying five times a day. Similarly, to other religions, there are designated places for worship, known in Islam as the mosque. Muslims refer to it, house of Allah (house of God). Mosques could be individual stand-alone building, or within the Islamic centers across the world, or a designated room in a building. However, according to the Islamic religion rulings on praying location, Muslims can pray anywhere on earth if the time for praying has set upon them, because the whole earth is sacred. This paper will study the informal urban places that Muslims temporarily occupy to pray in within the urban fabric of Venice. The research will address the following questions, what are the characteristics that define informal temporary praying areas in Venice? How is a sacred space defined in Islam? The research aims to fill in the intersecting point *in between* the spatial paradigm of Islamic religion practices and theories of sacred spaces.

*"There are opportunities in life that do not come twice. When I was first presented with the proposal to apply for Venice Biennale fellowship, I was extremely excited to apply and encouraged by my supervisor Dr. Iain Jackson. Being an international Ph.D student, a mother of two, and a new resident to the UK, I had a lot on my plate. Yet, I looked forward to being accepted to this very interesting program. Throughout the virtual workshops and presentations, I had the chance to meet fascinating people who helped us understand more about the program and guided us through the world of the Biennale. Being surrounded by art and creativity reminded me of a quote by Pablo Picasso: "art washes away from the soul the dust of everyday life". As an architect and a researcher, I am intrigued by the beauty of historical cities, the stories of people. This fellowship program will allow me to be captivated in both worlds and I am utterly grateful for this opportunity."*

Razan Simbawa PHD student





## Professional Studies in Architecture

“What does an Architect actually do?”

Winning posters  
Prizes sponsored by RIBA



Sustainability Champion Sunil Kim



## 3x10 Lunchtime Lecture

Asterios  
Agkathidis

The 3 architects x 10 minutes lunchtime lecture, was the first to take place at LSA this year, highlighting LSA's strong bond with high-end architectural practices. The event was streamed live online, receiving viewers from Germany, Spain, China, Finland, Italy, the Netherlands, Turkey, Greece and the UK. It was organised as part of the MA in Architecture final reviews. The 3 guest critics, included Man Jia, former LSA alumni and architect at Zaha Hadid Architects, Filippo Lodi, creative director at UN Studio and Kyriakos Chatziparaskevas, an associate at Heatherwick Studio. During the lunch break, they delivered 3, 10 minutes long lectures to the entire LSA cohort. More similar events are expected to take place in 2023.



Man Jia (Zaha Hadid Architects)  
3x10 lunchtime lecture

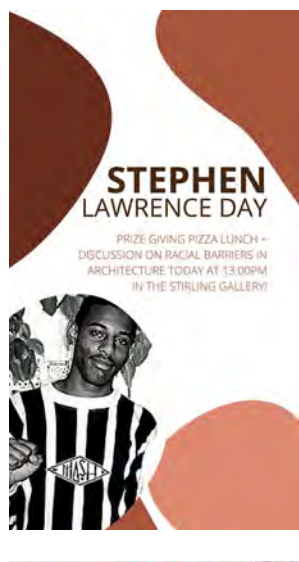


Filippo Lodi (UN Studio)  
3x10 lunchtime lecture



Kyriakos Chatziparaskevas (Heatherwick Studio)  
3x10 lunchtime lecture





## Guest Lecture Series 2021-2022

<https://www.liverpool.ac.uk/architecture/events/guest/>  
Film archive <https://www.liverpool.ac.uk/architecture/events/filmarchive/>

**Thursday 30th  
September 2021**

**Katy Marks**  
*A Citizens Design  
Bureau: weaving with  
wit and wisdom*



**Thursday 7th  
October 2021**

**Works by Marina  
Tabassum**



**Thursday 21st  
October 2021**

**Rahel Belatchew**  
*The Challenges for  
Architecture*



**Thursday 28th  
October 2021**

**Jim Eyre OBE**



**Thursday 4th  
November 2021**

**Sumita Singha OBE  
RIBA**  
*Designing for an  
Ethical World*



**Thursday 11th  
November 2021**

**LSA COP26 Micro-  
summit**  
*LSA Climate Crisis  
(Student Climate  
Action Group)*



**Thursday 25th  
November 2021**

**Deborah Saunt and  
Lemma Redda  
DSDHA**



**Thursday 2nd  
December 2021**

**Martin Prince-Parrot**  
*Back to the Future:  
The optimistic case for  
retrofitting places*



**24th February 2022**

**Neil Thomas**



**3rd March 2022**  
**Dr Joe Jack Williams**  
*Live at the Liverpool  
School of Architecture*



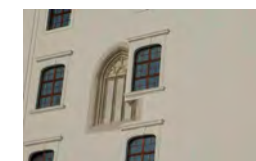
**7th-11th March 2022**  
*International Women's  
Week at the LSA*



**17th March 2022**  
**Anupama Kundoo**



**31st March 2022**  
**Using What We Have**  
*Architectural Histories  
of Fragments, Ruins,  
Rationed Resources  
and Obsolete Spaces*



**26th April 2022**  
**Chater Paul-Jordan**  
*Alternative agencies in  
architecture: listening  
to archival silences*



**5th May 2022**  
**Carbon Counts**  
*Heritage and  
Sustainability*





## LSA Community

### Professor Ola Uduku

Head, Liverpool  
School of Architecture

#### *Special thanks*

Aside from our special thanks to Professor Soumyen Bandyopadhyay for his direction of the school over the past five years. We would like to particularly thank the LSA Professoriate who often work tirelessly in the background to ensure that various parts of LSA's academic and professional life are supported and meet the high standards expected of our School.

As we come to the end of another year it is fantastic that we are finally able to celebrate this with an onsite End of Year degree show that has been preceded by physical external examinations. The school has gone through significant transition through the past year. Professor Soumyen Bandyopadhyay has stepped down from his key leadership role of the school over the last five years, and the LSA community have welcomed Ola Uduku his successor. The school extension project has also continued to receive support from the university and we hope to cut the sod this autumn for what we hope will be a two to three year build period. LSA also posted particularly strong results in the recently concluded National Research Excellence Framework. REF21 Architecture return, remaining one of the top English schools of Architecture. As a community we have also been glad to return to our studios and welcome both students and staff to being back at LSA, and its unique spirit of place. We have also welcomed a number of new members who have started or will be joining our community in the coming year, including workshop, teaching and research staff.

As the days begin to slowly get shorter, this is a good time to reflect on the past year and the extremely hard work have undertaken as is evident in the degree show which as ever shows the true strength and resilience of the school in producing phenomenal LSA graduate. This feat would not be possible without the support of our staff and indeed the wider LSA community.

We are working to further widen and expand our local to global networks and LSA family as we look to rich, diverse and inclusive Architectural future.



Photo © David Grant

## Equality, Diversity and Inclusion

### Dr Juliana Kei and Dr Nick Webb

#### *Special thanks*

Helen Aston  
Anupama Kundoo  
Peter Richmond  
Martin Winchester  
University of  
Liverpool Special  
Collections &  
Archives Student  
Group Leads  
The Architecture EDI  
Staff Working Group

The Architecture Equality, Diversity and Inclusion Staff Working Group have been working on a number of initiatives over the past year to improve EDI in the school. This included working with the Education Committee to produce a Studio Design EDI Checklist, to help colleagues reflect on their practices and to encourage and implement change. We will continue to develop this in the coming year. We have also worked with the PGR team to update student profiles on our website to better celebrate the diversity we have amongst our cohort. The Head of School also initiated a Women's Group for staff, and held a series of sharing sessions including presentations by Helen Aston and Anupama Kundoo.

The team have been working with Dr Peter Richmond to research our named rooms, prizes and chairs, as well as celebrating the diversity of our alumni, particularly female graduates and those who have studied at the Liverpool School of Architecture from around the world. A number of staff and students have asked for the name of the 1930s building to be removed over the past two years, an initiative supported by the EDI working group. The University of Liverpool have indicated that removing the existing name is not their preferred way forward currently, however, they are sympathetic to the ideas behind the wish to remove the name and are taking steps to address naming more broadly.

We continue to support the work of the student-led groups, who have again directed a number of important campaigns and events including the Carbon Counts exhibition, 'the women behind the men' poster series, an installation celebrating queer women in the profession, a design charette and discussion event, as well as posters promoting black architects. We cannot thank the student-led groups enough for all of their efforts over the past two years, and we hope you enjoy reading more about their work over the following pages.

[www.liverpool.ac.uk/architecture/community/](http://www.liverpool.ac.uk/architecture/community/)

<https://www.liverpool.ac.uk/architecture/our-people/>

*Winners Life of the School – Jamie Hole, Ffion Douglas, Pip Mack, Kudzai Matsvai, Daniel Rankine-Gayle, Danny Aston-Clarke and Bonnie Jackson*



# BLAC (Black Led Architectural Collective)

**Kudzai Kurewa**  
Matsvai Founder  
and President

*Advocates*  
Myah Phelan  
Molly Fitzpatrick  
Kiran Birring  
Edward  
Cowperthwaite  
Daniel Gayle

*Special thanks*  
BLAC would like to extend a special thanks to head of school Professor Ola Uduku for her continued support of the group. We would also like to thank Sandy Britton who has worked tirelessly this year to help us to grow.



@blaccollectiveuol

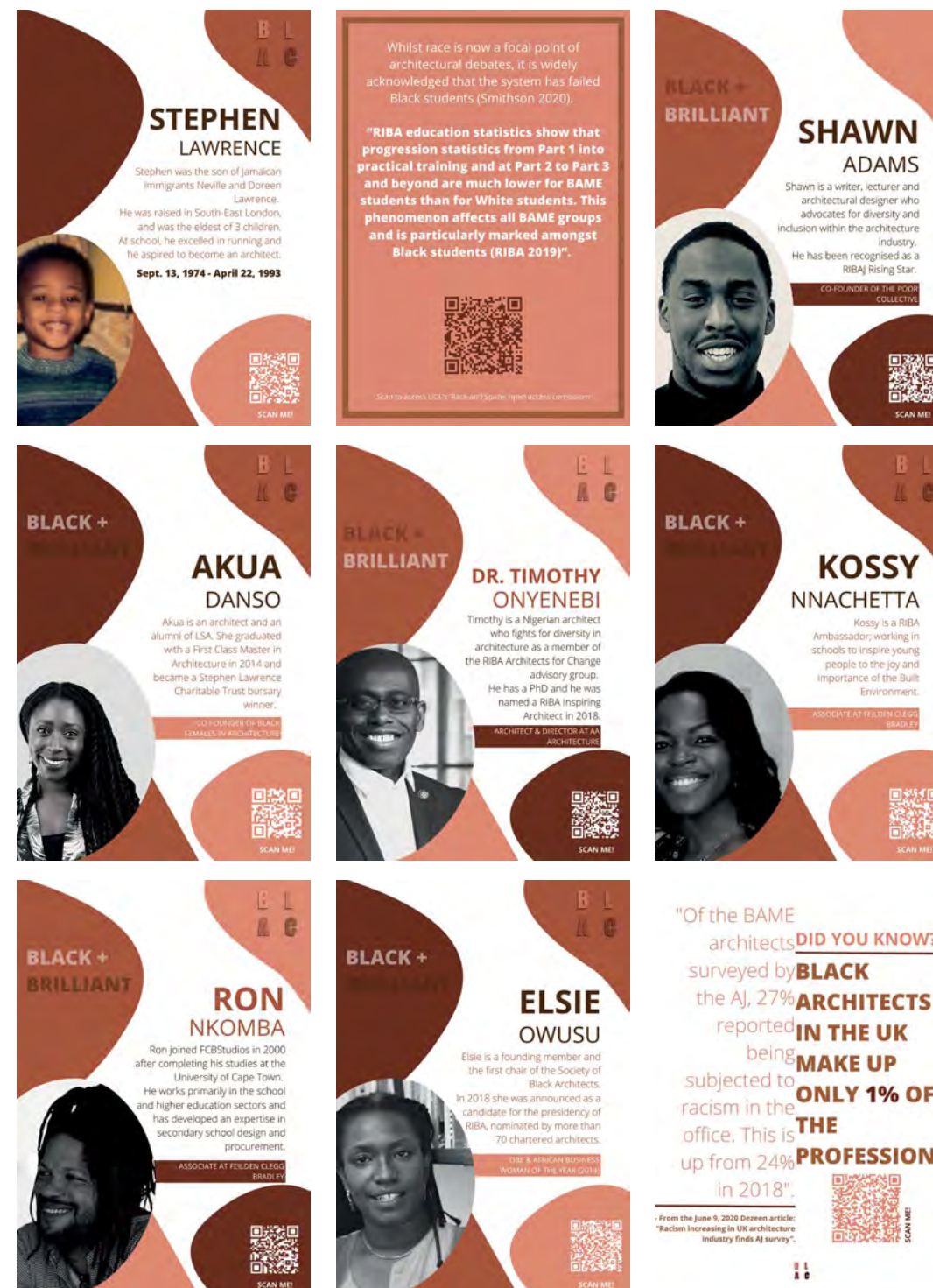
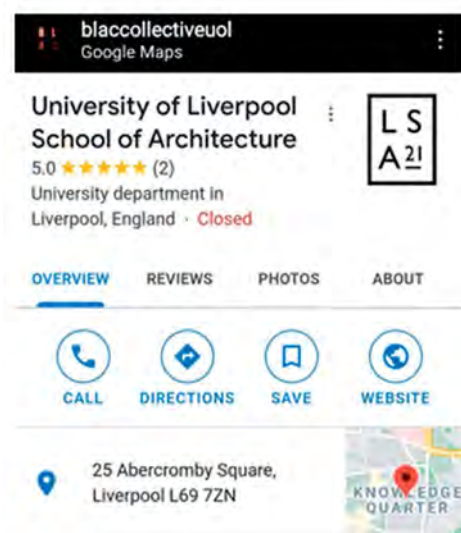
<https://www.liverpool.ac.uk/architecture/community/student-ledgroups/>

*The Fall of the Leverhulme Building*  
Kudzai Matsvai

This year, BLAC have continued to advocate for change. We have fought tirelessly for the school's name to be changed and, although we have had some minor successes regarding this, the university ultimately elected to keep the name.

On a more positive note, we have contributed to the success of the school's first International Women's Week and Stephen Lawrence week celebrations.

We have had a very active social media presence, with things such as our Black and Brilliant series starting this year.



BLACK presents: Black + Brilliant – celebrating Black excellence in architecture  
Kudzai Matsvai



## LSA Climate Crisis Group

**Jamie Hole, LSA  
Climate Crisis  
Student Lead**

### *Special thanks*

Sumita Singha OBE  
Sarah Wigglesworth MBE  
Bianca Pitt  
Antoinette Vermilye  
Fliss Childs  
Joe Jack Williams  
Ola Uduku  
Souymen  
Bandyopadhyay  
Haniyeh Mohammed-  
pourkarbasi  
Geoff Rich  
Anna Rank  
Peter Farrall  
Barnabas Calder  
Sandy Britton  
Martin Winchester  
Cassidy Wingrove

### *Deputy Lead*

Ffion Douglas  
*Social Media*  
Holly Knight-Parfitt

<https://www.liverpool.ac.uk/architecture/community/student-ledgroups/>



LSA Climate Crisis is a student led group within the Liverpool School of Architecture. Our aim is to address the climate emergency through architectural education. In this we actively encourage ourselves to think more about environmental sustainability and make it an integral part of the design process rather than an addition at the end. Our group have three main aims: 1. Awareness : The built environment in the UK accounts for 45% of total Carbon Emissions, and it is crucial as architecture students to understand the impact the construction industry has on the planet. 2. Attitude : Our attitude to sustainability is integral if we are to design responsibly, and we encourage both students and staff to be more conscientious in the way we design. 3. Educate : If we are to make changes within the industry, we must understand how to make sustainable design decisions so that we can take this knowledge with us when we go into practice.

Over the past year we have actively been working on changes within education in the school. Last summer we collaborated with student group *femin.ae* and several influential women in architecture to ask the question, 'why climate action needs women', addressing the advantages of women in leadership roles in a climate crisis. In November, we hosted a school summit to coincide with COP26, and discussed how we can further address sustainability issues in the school and in architectural education. In January, we work in partnership with Feilden Clegg Bradley Studios to host their Carbon Counts Exhibition in the school which provides a hands-on experience to understand the material impact of materials in the construction industry. In March, we worked alongside the EDI groups to host a school design charrette in support of intersectional women's week, providing a sustainable pavilion to celebrate women.

Moving forward into next year, we will be handing over to current fourth years, James Bower, Heather Coleman and Harry Waudby who have volunteered to continue the group, we look forward to seeing their progress.

**LSA21**  
IN COLLABORATION WITH  
LSA CLIMATE CRISIS (STUDENT ACTION GROUP)

THE OUTCOME OF  
**COP26**

WHAT DOES  
THIS MEAN TO THE  
CONSTRUCTION  
INDUSTRY?

WHAT DOES THIS MEAN  
TO ARCHITECTURAL  
EDUCATION?

WHAT ACTIONS  
SHOULD BE TAKEN  
BY THE SCHOOL AND  
UNIVERSITY?

11 NOV 2021 6:00-7:30PM  
VIA ZOOM

FOR ANY QUERIES REGARDING THIS EVENT PLEASE CONTACT: [LSAEVENTS@LIVERPOOL.AC.UK](mailto:LSAEVENTS@LIVERPOOL.AC.UK)

UNIVERSITY OF  
LIVERPOOL

Jamie Hole

### *Committee Members*

Ffion Douglas, Holly Knight-Parfitt, Conor Foster, Yenny Weng Mei, Heather Coleman, James Bower, Harry Waudby, Joseph Dolden, Salma Hamed, Alice Antoszkiewicz, Eleanor Ventress-Burke, Kaja Strzemiecka, Zuzanna Staniecka

@architectureforchange

Instagram: ArchitectureforChange



# Femin.AE

**Philippa Mack**  
(President)

## Graphics

Gemma Bartle  
Kudzai Matsvai

## Staff Liaisons

Professor Nwola  
Uduku  
Sandy Britton

Femin.AE are a student-led collective striving to provide a platform and recognition to the work of women within architecture and its surrounding disciplines, alongside highlighting the issues of sexism within the field.

On International Women's Day Femin.AE presented 'Forgotten Women', a poster series featuring the designers who have been often overlooked by their more famous male counterparts. The conventional history of architecture has made too many women invisible, Femin.AE's constant aim is to make the work of women working within architecture visible. This series informed us while historically the profession has been dominated by men, behind them there were women whose contributions were being overlooked in favour of their male counterparts. The suffix in our group's name stands for Activism, Education, Architecture and Equality – our main areas of focus.

"It is not just a matter of human justice or historical accuracy, we need to understand architecture and the complex ways it is produced". Beatriz Colomina

It has been a successful year for Femin.AE and we're always looking for new members. If you'd like to get involved, get in touch with our Instagram, @femin.ae

<https://www.liverpool.ac.uk/architecture/community/student-ledgroups/>

Femin.AE logo by  
Gemma Bartle



@Femin.AE



Femin.AE presents *Forgotten Women in Architecture*  
Philippa Mack



## Queer Students of Architecture

**Daniel Aston-Clarke (Co-founder)**

*Co-founder*  
Bonnie Jackson  
*Co-founder*  
[President]  
Daniel Aston-Clarke  
*Group Members*  
Phillipa Mack  
Ed Cowperthwaite  
Jester Abayari  
Kudzai Matsvai  
Toto Chin  
Nicole Bullworthy  
Phoebe Leech  
Karolina Adamiec

Special thanks  
to Professor Ola  
Uduku and Sandy  
Britton for their help  
in organising the  
events in celebrating  
International  
Women's Day 2022.

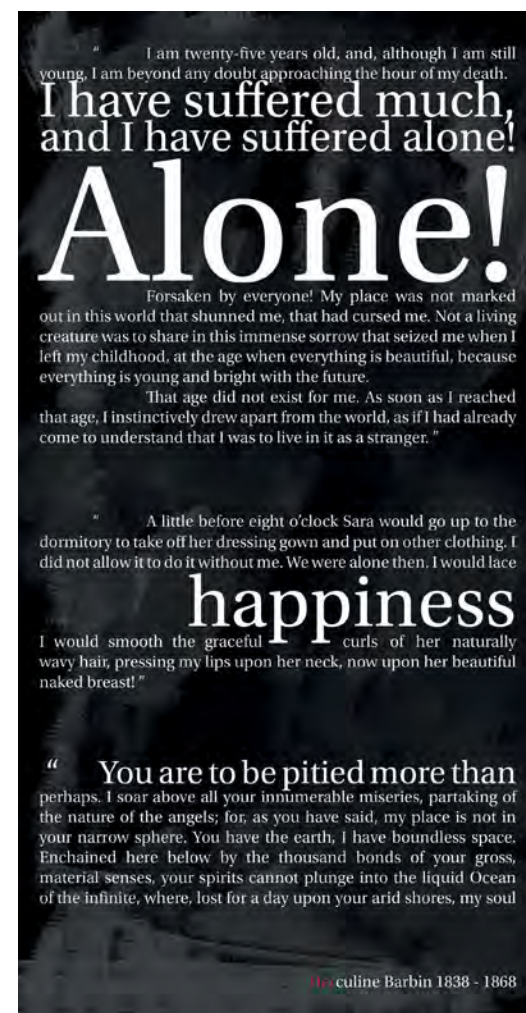
<https://www.liverpool.ac.uk/architecture/community/student-ledgroups/@QSofA.Liverpool>

Queer Students of Architecture provides a safe space from which to promote the visibility of queer-identifying people, who are historically under-represented in the school, architectural curriculum, and the wider profession. By bringing queer identities within architecture to the forefront at an educational level, we are working to normalise and reduce the stigma surrounding sexuality in the profession.

As a group we created an exhibition in celebration of International Women's Day. Despite socially progressive steps taken towards gender equity, expectations of what a woman should look like or how they should behave are still to this day often confined to stereotypes. Societal confinements that can reap significant and negative consequences for those with non-heteronormative sexualities and/or non-stereotypical gender expressions. To illustrate the Othering faced by such women, and articulate its longstanding history, we presented our own artwork in response to the life of Herculine Barbin (1838-1868). Born intersex Barbin was assigned female at birth and then later in life, following a medical examination, forced to change her gender to male despite her own perception as being an "exceptional female". The dispossession of her identity would reap such negative feelings and events that she would eventually take her own life. Over a century later her memoirs would be published by Michel Foucault. Barbin's powerful writings articulate the exclusion she endured during her life as a result of adopting a gender which belied her true self.

Alongside the exhibition we were also able to stream a talk in the School by Building Equality who work to promote inclusivity for LGBTQ+ people in the architecture and construction industries. An event which provided valuable insights into what allyship looks like in a workplace environment.

It has been a successful year and we are always excited to welcome more people to join in next year's activities.



*Remember the Name:  
Herculine Barbin [1/2]  
Ed Cowperthwaite*



*Painting by Daniel Aston Clarke*



# ASOC

**Conor Foster**  
**President**

*Vice President*  
Magdi Khalil  
*Treasurer*  
Yenny Weng-Mei  
*Social Media*  
*Secretary*  
Gemma Humphray  
*BA Reps*  
Lucy Tarry, Oliver  
Langdown, William  
Maxwell, Eleanor  
Ventress-Burke  
*MArch Rep*  
Yashna Calleechurn

*Special thanks to  
the Liver Building  
for hosting  
and providing  
a wonderful  
experience, to  
the School of  
Architecture (in  
particular Ola  
Uduku, Jack Dunne,  
and Katerina  
Antonopoulou)  
for their help and  
contribution towards  
the ball, and to the  
Guild of Students for  
their help in restoring  
ASOC as a society.*



The LSA Architecture Society, or 'ASOC' is an internal student society that has been running for over 10 years. Started in 2011 by Matt Giles and Dan Barbor, the group has consistently been an integral part of LSA's academic life. Run by a collective of students, the aim of the group is to help foster relationships between the different academic years, through activities such as guest lectures from industry experts, to architecture-themed bar crawls.

The society was hit hard by the COVID-19 pandemic. As such, ASOC's main goals for this year were to re-form as a society by reconnecting with the Guild of Students, to provide a solid platform for future ASOC members to further expand the group, and to re-establish the social aspect of architectural education that had been lost to the pandemic.

The highlight was the end-of-year ball. The pandemic has been a difficult period for architectural education, and as ASOC has traditionally organised a ball every year, it was the perfect opportunity to celebrate the return to some form of normality. This year it was held at the Liver Building, as a collaboration between ASOC and the School of Architecture.

The goal for ASOC is to provide a better student experience, and we're always happy for new members to join.



ASOC sign – Steve Mulvey Photography

<https://www.liverpoolguild.org/groups/asoc-architecture-society>  
[https://www.instagram.com/uol\\_asoc/](https://www.instagram.com/uol_asoc/)  
[architecture@society.liverpoolguild.org](mailto:architecture@society.liverpoolguild.org)



Year 2 group photo – Steve Mulvey Photography



Ball at the Liver Building  
Gemma Humphray



# Creative Workshop

Stuey Carroll and  
Stephen Bretland

## Workshop Facilities 2022

The main aim of the technical team this year was for the workshop facilities to return to how they operated prior to the pandemic.

The Creative Workshop and Laser Suite became drop-in facilities again, this gave the students more scope to work flexibly. The CNC router and 3-D Printing services were predominantly kept to job requests being submitted remotely and we processed a record number of files this year. We also reintroduced extended opening hours over the last four weeks of term. The AMS was open Monday-Friday and the PMDS was also accessible at the weekend thanks to our wonderful student support technicians.

The LivUniArchTechs Twitter account continues to be a useful medium for disseminating information to the staff and students who follow us.

We have also started to try and introduce more environmentally friendly or sustainable materials into the workshop areas such as bamboo, LDF and recyclable bags.

It's been great to see the various workshops being used again over the past nine months and it's been a very busy and productive time for the technical team, we have been so happy to see the students making models again!

We can't wait to work with you again and we will continue to improve all the workshop facilities so that they are ready for when you return in September.

<https://twitter.com/LivUniArchTechs>  
Our model making gallery can also be viewed on the architecture student intranet pages.

<https://www.liverpool.ac.uk/intranet/school-of-the-arts/architecture/technical-facilities/model-making-gallery/>

## Technical Team

Fintan Dineen	Technical team leader
Stephen Bretland	Technical coordinator
Stuey Carroll	Technical coordinator
Matt Howarth	Workshop supervisor
Adam Yenson	Technician
Lara Gerrard	Technician
Lizzi Grattan	Technician

Student technical support assistants  
Evgenia Dickins  
Ioana-Silvia Branzuca  
Alina Angelova  
Andreea-Alisia Popovici



CNC routed bamboo base and hand-made buildings, L.Gerrard  
MArch thesis project: Industrial Nouveau



CNC routed polystyrene base with 3D printed buildings, L.Gerrard  
MArch thesis project: Andover Estate 2022



CNC routed buildings with laser cut facias. Laser cut trees, L.Gerrard  
MArch thesis project: Sensory Garden



# LAS Honan International Travel Scholarship – Intricate and Evocative: The Exploration of The Ashanti Vernacular Architecture in Ghana

**Daniel Rankine Gayle**

*2022 winner of LAS Honan International Travel scholarship*

Captain Honan (Matthew Honan) was born in Liverpool in 1878, studied architecture in Liverpool and practiced as an Architect in Liverpool. Captain Honan was killed in action in 1916 at the battle of the Somme aged 38. In his will he gifted a memorial scholarship the setting up of the Honan Prize of which the Liverpool Architects society host every year as the Honan Travel Scholarship. <http://www.merseysiderollofhonour.co.uk/obits/54/544610.php>

It has been an honour to have received the Honan Travelling Scholarship Award. Being a black master's student, I believe it is imperative that architecture students are given the opportunity to travel to Africa to learn about black history and culture through architecture.

It has always been a dream of mine to embark on research to learn how vernacular architecture has been created in Africa. The Asante Traditional Buildings are the only examples of traditional Ashanti architecture. The buildings are constructed of timber, bamboo and mud plaster and originally had thatched roofs. I am excited to learn more about the symbolism and unique meanings attached to these decorative buildings. Beliefs that have been passed down from the Asante people. Therefore, it brings me great joy that the Honan Travelling Scholarship has given me the opportunity to visit such monumental architecture.

Creating affordable yet effective housing in countries such as Africa has always been another dream of mine. After visiting, I aim to utilise my knowledge and skills gained from studying at the University of Liverpool School of Architecture by designing and creating thoughtful yet low-cost housing that replicates the historical vernacular architecture but also meets the needs of the residents. In turn, future designs will offer safety, shelter and a sustainable solution to housing.



*Digital Hand Sketch  
Daniel Rankine Gayle*

## Liverpool Architectural Society

**Honan Travel Scholarship**

Each year the Liverpool Architectural Society invites students of architecture in Liverpool to submit proposals for a study based trip.

A scholarship is presented to the student or students whose proposal demonstrates the most appropriate and worthwhile use in the opinion of the LAS.

*LAS is a historic society dating back to 1848 making it one of the oldest architectural societies in the world is also the Merseyside and Isle of Man Branch of the RIBA.*

*The LAS is open to people of all ages to join, members of the committee include Chartered Architects, Academics, Students, people from the architectural community and or with a general interest in architecture.*

*We arrange events such as site and building visits to local buildings by Liverpool architectural practices, architectural film screenings, seminars, lectures, architectural quizzes, forums and social events throughout the year.*

*It is really nice to be back holding our events in person again. This year our events focused on the theme of retrofit, from building visits of Municipal Buildings and the newly refurbished India Buildings, to events held in retrofitted venues and retrofit focused CPDs. This year, we saw the introduction of the Retrofly Birdbox Competition to raise funds for the Honan Travel Scholarship.*

*It was a privilege for the LAS to review the shortlisted student schemes and attend the industry night, judging is one of the final events of our yearly calendar and we very much enjoyed seeing the hard work and quality of design ideas from the students of Liverpool School of Architecture.*

*On behalf of the LAS committee, I would like to wish all the students good luck for the future and on their architecture journey.*

*Lizzie Edge,*

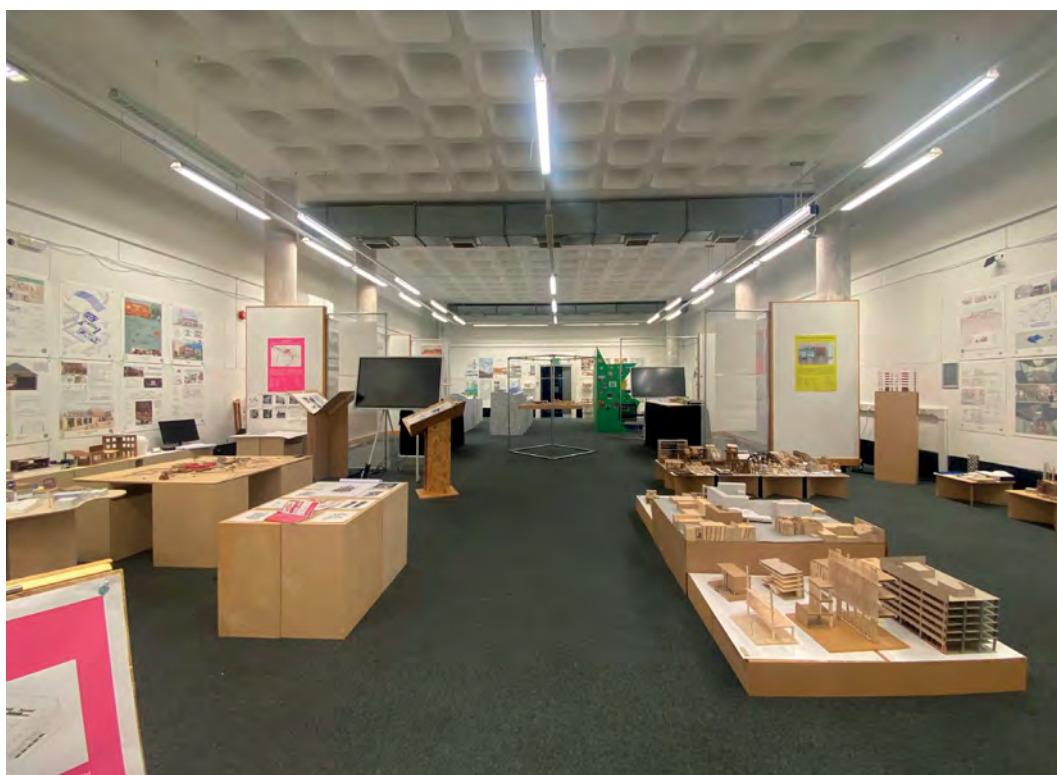
*President, Liverpool Architectural Society*

LSA is actively connected to LAS and its ongoing work through graduating students, student committee members, its alumni and its teachers.

<https://liverpoolarchitecture.com/>







BA degree show photos by Martin Winchester

## Acknowledgements

Thank you to the large teams of people who support the BA and the M.Arch and PGT programmes for your dedication and hard work.

*Programme Leads, Year Leads and Studio Leads and Studio Teaching Teams*

*History and Theory:* Dr Barnabas Calder, Dr Ewan Harrison, Professor Iain Jackson, Dr Marco Iuliano, Dr Christina Malathouni, Professor Nick Ray, Dr Patrick Zamarian, Dr Juliana Yat Shun Kei, Dr Peter Richmond, Dr Neal Shasore, Dr James Hillson Dr Randal Lawrence Dr Torsten Schmiedeknecht  
*Environmental Science:* Professor Steve Sharples, Professor Carl Hopkins, Dr Daveed Chow, Dr Stephen Finnegan, Dr Pyoung-Jik Lee, Dr Haniyeh Mohammadpourkarbasi, Dr Randal Lawrence, Dr Stuart Gee (Studio Consultant), Dr Stephanie Koerner, Dr Jiangtao Du, Dr Spyridon Stravoravdis

*Technology:* Dr Giamila Quattrone, Ted Ruffell, Claudia Briguglio, Alex Dusterloh, Peter Farrall, Dr Hanmei Chen, Dr Adonis Haidar

*Urban Studies:* Dr Fei Chen, Dr Ataa Alsalloum, Dr Francseca Piazzoni, Dr Junjie Xie, Dr Juliana Yat Shun Kei, Dr Mary Shepperson

*Practice Management:* Jack Dunne, Peter Farrall

*Internationalisation:* Ronny Ford, Dr Junjie Xi and Charlotte Fairclough

*Experimental Officer in Design Computing:* Martin Winchester

*Librarian:* Lisa Hawksworth and John Wright

*Consultants:* Ted Ruffell, Dr Stuart Gee, Dr Hanmei Chen

*Technical support team:* Fintan Dineen, Stephen Bretland, Stuey Carroll, Matt Howarth, Adam Yenson, Lara Gerrard, Lizzi Grattan

*School Receptionist / Operations:* Lauren Burton

*Building Managers and Building Services:* Fiona Gillmore, Steve Crowe, Ian Ocego, Sheila Cavanagh, Chris Baker Scott, Anne Johnston Lee

*Operations Support Team:* Andrea Alfonso, Rhianna Mottershaw, Karen Prince, Pauline Mitchell, Lauren Burton, Ange Haynes

*Student Experience Team:* Jane Lloyd, Chris Readitt, Anisha Gopaul, Elaine Jones, Janet Wood, Nicky McCarthy, Phill Franey, Jackie Bracken, Aime Grzesik, Cathy Rees, Hollie Byrne, Isla Kennedy, Jan Storey, Ashleigh Cowin, Melanie Williams, Charlotte Wilson, Vicky Chapman, Clare Martindale, Danielle Alzahabi, Charlotte Fairclough, Sam Bird, Juan Caicedo, Emily Kelly, Cohnall Speed

*Finance Team:* Samantha Hankin, David Summersgill, Peter Pimblett, Kirsty Harland

*Research and Impact Team:* Nathan Yearsley, Daniel Brown, Victoria Olsen, Pauline Hadaway, Pamela Heald, Amanda Dentith

*Marketing, Recruitment & Events Team:* Brian Beckwith, Jonny Davis Le Brun, Alys Jones, Filomena Saltao, Helen Thomas, Hannah Keeley, Belinda Kletz

*School of the Arts Leadership:* Peter Buse (Dean), Steve Winterton (Head of operations), Supported by Tracy Mann

A big THANK YOU to all our Part Time studio tutors who come in from all stages of practice to teach.

Your contribution to the life of the school and its professionally accredited programme is vital.

This threshold and mutual exchange of professional practice and academic endeavour is alive, productive and exciting.

Practices include:

Absolute Beginners, Another Architecture + Interiors, Architects Journal, Architectural Emporium, Berkley Street, Bott Cruise, Bridge Architects, CAN, DK-architects, dRMM Architects, Dundee University, Epping Forest Council/Public Practice, Fabric District CIC, FCBSudios, Ford Rexhepi, Foster and Partners, Friends of Sefton Park, Gibson Architects, Greek Orthodox Church, Groupwork, H Piercy and Company, Harrison Stringfellow Architects, Haworth Tompkins, Heatherwick Studio, Heyne Tillet Steel, Ian Chalk Architects, Kier Group, Knowsley Metropolitan Borough Council Consultants, Landscape Institute, Manchester School of Architecture, Model Photography, Momentum Engineering, New Practice, Optimised Environments, Page Park, Peter Barber Architects, Planit-ie, Prince Architects, shedkm, Sheppard Robson, South Liverpool Domestic Abuse Services, Squash Liverpool, Studio Weave, Turner Works, UN Studio, University of Edinburgh, University of Greenwich, University of Lancaster, V&A Museum, Waugh Thistleton, Wilma Works, Witherford Watson Mann Architects, WMB studio, Zaha Hadid Architects



Guest Critics BA1

Thank you to all the LSA staff and BA2, BA3, MArch4 and MArch5 students who helped at BA1 reviews

Guest Critics BA2

Thank you to BA3, MArch 4 and MArch5 students who attended our student led reviews

Guest Critics BA3

Studio Communities & Contested Spaces (CCS\*)  
*Guest Critics*  
Daniel Aston Clarke (LSA)  
Alex Dusterloh (LSA)  
Dan Gibson (Gibson Architects)  
Finnegan Hulbert (LSA)  
Tom James Artist (Absolute Beginners)  
Andrea Ku (Friends of Sefton Park)  
Peter Mitchell (FCB)  
Kelly Morris  
Francesca Piazzoni (LSA)  
Lucretia Ray (LSA)  
Raphael Selby (Page Park)  
May Tang (Heatherwick)  
Dominic Walker (Witherford Watson Mann Architects)  
Alexandra Williams (Wilma Works)  
Patrick Zamarian (LSA)  
*Special thanks*  
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David Miller (Heyne Tillet Steel)  
Ted Ruffell (LSA)  
Squash Liverpool Project Client Consultants  
Becky Vipond (Squash Liverpool)

Studio Pen and Inc  
*Guest Critics*  
Dr Fei Chen  
Urban Form and Social Space research group  
Architectural Emporium  
Knowsley Metropolitan Borough Council Consultants  
Simon Cadle (Turner Works)  
Trevor Skempton  
Dr Hanmei Chen  
*Guest Critics*  
Ardi Rexhepi (Ford Rexhepi)  
Rachel James (FCBStudios)  
Sian Atherton (Harrison Stringfellow Architects)  
Luke Cooper (Architectural Emporium)  
Simon Cadle (Turner Works)  
Dave King (shedkm)  
Rowena Creagh (LSA PHD)  
Studio reps

Practice North  
*Guest Critics*  
Roger Stephenson OBE, Dan Wiltshire (WMB studio)  
Lee Bennett (Sheppard Robson), Valentino Capello (Sheppard Robson), Yu Zhan (Sheppard Robson)  
Mike Cruise (Bott Cruise), Jasmin Eastwood (Bridge Architects), Marco Iuliano (UoL), Nina Edge (Artist)  
*Special thanks*  
Mike Hutchison (Momentum Engineering)  
Jaimie Ferguson (Optimised Environments)  
Stuart Gee (UoL)  
Father Stavros Kasinos (Greek Orthodox Church, Berkley Street)  
Daniel Draper (Film Director)

Studio NOW  
*Guest Critics*  
Mat Barnes (CAN), Ione Braddick (Epping Forest Council/Public Practice), Alice Brownfield (Peter Barber Architects), Marc Cairns (New Practice), Emma Colthurst (University of Greenwich), Laura Gaskell (Haworth Tompkins), Ernstter Horst (FCBS), Evonne Mackenzie (V&A Museum), Rachel Pate I(Foster and Partners), Alex deRijke (dRMM Architects), James Rogers (Studio Weave), Su Stringfellow (Harrison Stringfellow), Fran Williams (Architects Journal), Hannah Wilson (Piercy and Company)  
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Jason Coe (Groupwork)  
All the staff at Ty Pawb,Wrexham  
Sophie Percival (Model Photography)

Heritage Related Design Studio  
*Guest Critics*  
Dr Ataa Alsalloum, Claudia Briguglio, Sarah Hare, Dearbhail Keating, Charles Rattray (formerly Dundee University), Dr Giamila Quattrone, Rebecca Sawcer (Waugh Thistleton), Laura Sherliker, Matina Vrettou  
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Heather McGrath-Alcock, Dr HanMei Chen, Dr Stuart Gee, John Hinchcliffe, Lowri Ifor, Chris Iles  
Cadi Iolen, Katy Marks, Tom Stapledon

Guest Critics M.Arch

4th year critics  
*Guest Critics*  
Dr Sophia Banou, Dr Melinda Benkő, Dominika Tihanyi, Professor Nicholas Ray, Yu Zhan, Jonathan Shaw, Gordon Talbot, Samu Szemerey  
*Special Guests*  
Michael Wilford CBE  
Special Thanks  
Zoltán Erő  
Levente Polyák

Critics M.Arch 5

Dr Frances Holliss, Sebastian Aedo, Maider Llaguno, Ian Ritchie CBE, Michael Cuniff, Helen Roberts, Neil Swanson, Josef Maria, Mary Shepperson, Michael Wilford CBE, Professor Nick Ray, Richard Partington  
Luke Bushnell-Wye, Brian Hatton, Noor Ragaban, Dr Hamid Khalili, Dr Juliana Kei, Peter Farrall, Professor Richard Koeck, Jack Dunne, Dr Fei Chen, Johanna Muszbek, Pietro Pezzani, Lucretia Ray, Ronny Ford  
Professor Iain Jackson

Guest Critics MA

Marianna Cavada (University of Lancaster)  
Yorgos Berdos (University of Edinburgh)  
Man Jia (Zaha Hadid Architects)  
Kyriakos Chatziparaskeuas (Heatherwick Studio)  
Filippo Lodi (UN Studio)

Careers and employability event contributors

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Jack Dunne (UoL, MArch Admissions lead)  
Peter Farrall (UoL, RIBA Professional Services advisor)  
John Caicedo (UoL, International Advice & Guidance team)  
Dave King (Founder of ShedKM)  
Maira McCaul (UoL Careers)  
Lucretia Ray (UoL, Professional Studies advisor)  
Roger Stephenson OBE (Founder of Stephenson Hamilton Riseley)  
Richmal Wigglesworth (Sheppard Robson)

**Student Group Founders and Leaders:** *BLAC:* Kudzai Matzvai, Daniel Gayle, *Climate Crisis:* James Hole, Ffion Douglas, Holly Knight-Parfitt, *FeminAE:* Philippa Mack, Bonnie Jackson, *QSoA:* Daniel Aston-Clarke

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Livuniarch

Instagram: Agnieszka Kania, Julia Szegho, Naristha Naicker and Holly Knight-Parfitt  
Twitter: Dr Francesca Piazzoni We chat: Dr Hanmei Chen

**Website Catalogue assistance:** Farokh Damania, Lewis Washington, William Maxwell

**ASOC committee:** President: Conor Foster, Magdi Khalil, Yenny Weng-Meiy, Gemma Humphray, Lucy Tarry, Oliver Langdown, William Maxwell, Eleanor Ventress-Burke, Yashna Calleechurn

**M.Arch yearbook assistance:** Jamie Hole and Molly Fitzpatrick

**End of Year show and industry night:** Ioana Branzuca, Rufus Burridge, Jacob Chawner, Farokh Damania, Conor Foster, David Grant, Sam Hall, Jamie Hole, William Maxwell, Fatima Matana, Xinyi Meng, Andreea Popovici, Yifan Qian, Joe Riordan, Rorik Smith, Lewis Washington, Harry Waudby

Thank you to all those students who have acted as ambassadors for the school in your pursuit of good architecture, a good architectural community and a fairer world.

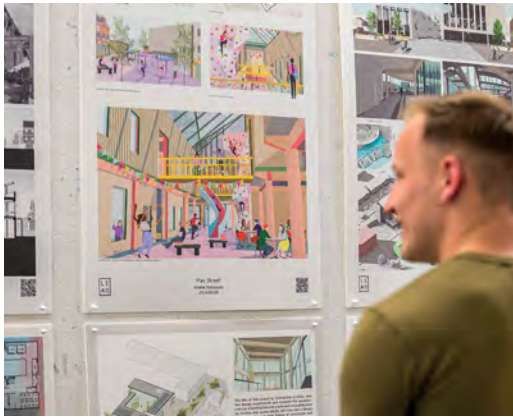
*Special Thanks*  
SLDAS (South Liverpool Domestic Abuse Services)  
Georgina Baines (Planit-ie)  
Neil Swanson (Landscape Institute)  
Professor Soumyen Bandyopadhyay  
Han Wu  
Kushagra Jhurani  
Nick Stath  
Ollor Daniel Price

*Portfolio reviewers*  
Jasmin Eastwood (Bridge architects)  
Sarah Green (Another Architecture + Interiors)  
Stuart Pavitt (Sheppard Robson)  
Ben Prince (Prince Architects)  
Dave King (shedkm)

Thank you to all our students who have been an amazing help in the life of the school throughout the year.

Particular thanks to:  
**Year Reps**  
**MArch5:** James Budd, Yashna Calleechurn, Molly-Ann FitzPatrick  
**MArch4:** Jacob Chawner, David Grant, Michael Witherwick  
**BA3:** Yenny Weng Mei, Weronika Gawlik, Myah Phelan, Hamad Alnaqbi, Daniel Lay  
**BA2:** Alice Antonsszkiewicz, Rowan Alice Bradbury, Iona-Silva Brancuza, Daniela Nunes, Adrianna Radlowska  
**BA1:** Simran Dudhrah, Samuel Glossop, Ahmad Omar Abdelfattah Alfakhuri, Liliyana Wood



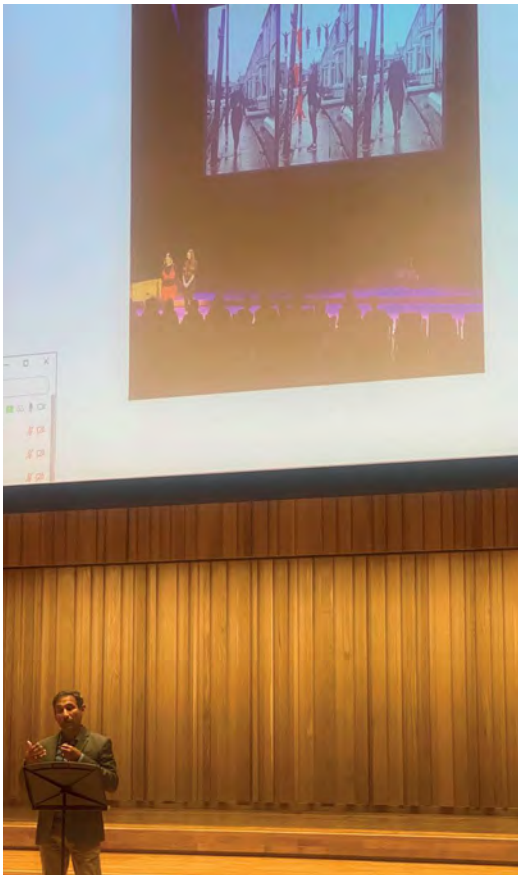


Images can be seen at [www.virtual-lsa.uk](http://www.virtual-lsa.uk)





Images can be seen at [www.virtual-lsa.uk](http://www.virtual-lsa.uk)



upper photo © David and Laurence Grant,  
lower photos © Sandy Britton



## LSA 2022 Summer Degree Show and Prize Giving

The LSA 2022 Degree Show and Prize Giving is a celebration of work and achievements throughout the School with particular focus on graduating years in BA and M.Arch  
Prizes presented by Head of Department Professor Ola Uduku with Lucretia Ray

Organised by: Lucretia Ray and Dr Francesca Piazzoni

Thank you to everyone who made this happen

Particular thanks to Martin Winchester, Ioana Branzuca, Rufus Burrage, Jacob Chawner, Farokh Damania,

Conor Foster, David Grant, Sam Hall, Jamie Hole, William Maxwell, Fatima Matana, Xinyi Meng, Andreea

Popovici, Yifan Qian, Joe Riordan, Rorik Smith, Lewis Washington, Harry Waudby, Lauren Burton

Thank you to our speaker Professor Soumyen Bandyopadhyay

Photography: David Grant and Laurence Grant

Digital: Martin Winchester

## BA Prizes

### External Prizes

*Swedish Wood Student Architect Award* – winner Huw Morris-Jones, runners up Amira al Najjar, Ryan Farrell,

Zoe Huang, Cadi Jones and Zivoin Ristic

*Sheppard Robson Jicwood Prize* – Emma Loughnane

AHMM award for Urban Heritage and Design – Sumaiyah Bashir

*Liverpool Architectural Society Student Awards 2022* – winner Ryan Farrell, runners up Charlotte Bebb, Rhys Bennett, Samantha Evans, Charlie Fletcher, Daisy Foster, Emma Loughnane, Louis Marchini and Zivoin Ristic

*BA3 Book Prize donated by Ian Ritchie CBE for best background research* – Ryan Farrell

*BA3 Book Prizes donated by Jonathan Falkingham MBE for: best rendered drawing* – Alice Garner, *best CGI* – Andrine Tan, *best contextual response* – Louis Marchini, *best model* – Karolina Adamiec

*School of the Arts Academic Achievement Award winner* – Rhys Bennett

*School of the Arts Academic Achievement Award runner up* – Karolina Adamiec

*Graham Saunders Memorial Prize for contribution to the life of the school* – Molly Fitzpatrick

*RIBA Project Management Poster Award Prize* – Sunil Kim and Zak Kurtulus

### BA3 Endowment Prizes

*David Thistlewood Dissertation Prize* – Thomas Barlow-Kay and Rebekah Garner

*Charles Anthony Minoprio Prize for best rendered drawings* – Zivoin Ristic

*Sikorski Memorial Prize for best interior design* – Zihan Zhang, Charlie Fletcher and Patrick Allan

*John Rankin Awards for best sketch designs* – Rhys Bennett and Charlotte Bebb

*Emma Holt Travel Scholarship for academic achievement* – Samantha Evans

*Emma Holt Travel Scholarship for academic achievement* – Karolina Adamiec

*Emma Holt Travel Scholarship for academic achievement* – Rhys Bennett

*David Inman Fund for environmental science performance* – Grace Limani

*David Inman Fund for environmental science performance* – Eleanor Robinson

*Norman Foster Foundation Travelling Scholarship nomination* – Amira Al-Najjar

### Competition Entry Selection – Presidents Medal and Architects Journal

*RIBA Presidents Bronze Medal – part 1* – Emma Loughnane and Daisy Foster

*Architects Journal Student Prize – part 1* – Zihan Zhang

### BA2 Prizes

*John Rankin Awards for best sketch designs* –

Aga Kania and Xinye Meng

### BA1 Prizes

*School of the Arts Academic Achievement Award*

*Highest achievement* – Erlina Long

*Second highest achievement* – Plajja Elias

## Year of 2022 Graduating BA Students

Karolina Adamiec, Patrick J. Allan, Amira Al-Najjar, Hamad Salim Khamis Almutawa Alnaqbi, Zhongxuan Bai, Charlotte S. Bailey, Amer Balan, Guyu Bao, Thomas Barlow-Kay, Sumaiyah Bashir, Charlotte G. Bebb, Rhys H. Bennett, Xhesika Bicaku, Haowen Bo, Carrie Boon, Joseph A. Brierley, Lewis Bushell, Imogen P. Campbell, Jiayi Monica Chen, Lok T. Chin, Nihaad A. Choudhury, Francesca Coey, Samuel A. Cole, Tong Dai, Yue Dai, Donatas Dailyda, Joseph Dolden, Maksymilian I. Dresler, Angela Duka, Samantha Evans, Zidong Fan, Amna Farooq, Ryan O. Farrell, Charlie Fletcher, Daisy C. Foster, Katrina Fung, Madeline L. Gallant, Alice M. Garner, Rebekah Garner, Tomasz Gogol, Kai A. Green, Aaron Griffin-Keogh, Cara E. Grime, Freya N. Harrison, Stephanie Hopkinson, Qifeng Hou, Xiaoyan Zoe Huang, Yanjie Huang, Gwilym Humphreys, Kerry Husselbee, Malak M. Ismail, William Jackson, Lanhui Jiang, Abigail Jones, Cadi R. Jones, Ajey Kesavaraj, Zak A. Kurtulus, Jacqueline A. Lanzoni-Rivers, Finlay G. Law, Daniel Lay, Maeve F. Lee, Johnathan Li, Yasi Li, Grace Limani, Yangxi Liu, Sonja Losonci Johnson, Emma E. Loughnane, Ruochen Lu, Amelia Maddocks, Bethany G. Mallard, Natasha K. Mallin, Louis V. Marchini, Veronica Martinez, Ethan Martin-Yates, Aishlin-Cait McGowan, Lyra A. McKinnon, Bettuel Mehdi, Hannah G. Meheran, Rupert N. Morley, Huw Morris-Jones, Alexander Murthy, Thomas O'Loughlin, Henry Omotosho, Caio T. Owen, Minseok Park, Joshua Pemberton, Myah Phelan, Isabel C. Powell, Boyu Qu, Joshua J. Richardson, Zivoin Ristic, Eleanor G. Robinson, Elizabeth A. Rose, Ben G. Rylance, Isabelle Saxon, Ben Scott, Niamh A. Sharratt, Zhiye Shen, Elena D. Smith, Emma Smith, Zuzanna B. Staniecka, Kaja Strzemieska, Benjamin D. Sutherland, Tianjun Tan, Zhi Jing Tan, Ruize Tang, Yiqun Tang, Emilia Taraszkiewicz, Charles B. Thadwald, Sam Thomas, Alex Walker, Bo Wang, Shiyu Wang, Yanfei Wang, Grace Webb, Yenny Weng Mei, Alexander J. Wignall, Jingyi Wu, Kai Wu, Nianxue Xia, Ziting Xiong, Qianshu Xu, Zhiqing Zeng, Jingshu Zhang, Wenxi Zhang, Zihan Zhang, Yuan Zhao, Yilun Zhu

### Industry Night

Thursday 23rd June 6-8pm

### Launch and Prizegiving

Friday 24th June 2-6pm

### Public Viewing

Friday 24th June - 19th July 9-5 weekdays



LSA End of Year Show 2022



Contact: [Isaevent@liverpool.ac.uk](mailto:Isaevent@liverpool.ac.uk) Web: <https://www.virtual-lsa.uk> Twitter: [LivUniArch](https://twitter.com/LivUniArch) Instagram: [@livuniarch](https://www.instagram.com/livuniarch)



## M.Arch Prizes

*Liverpool Architectural Society Student Awards 2022* – Thomas Khorsavanifar, Kenneth Elliott, Edward Cowperthwaite, and Connor Rowland (Ronny Ford)

*Swedish Wood Student Architect Award* – Ffion Douglas, Conor Foster, Jamie Hole and Holly Knight-Parfit (Jack Dunne)

*Sheppard Robson Jicwood Prize* – William Millard, Jason Norris, Callum Skinner, Scott Tonkinson (Johanna Muszbek and Pietro Pezzani)

*Norwest Holst Prize* – Harry Waudby

*P S TYSON Prize* – James Bower, David Grant and Lewis Washington

*AHMM award for Urban Heritage and Design* – Adarshini Burrin, Gabriel Grodny, Lance Macadangdang and Bob Zhao (Professor Iain Jackson)

### M.Arch5 Endowment Prizes

*Tarn Dissertation Prize* – Gabriele Grodny

*Frank Horton Prize* – Jane Georgi, Eirini Kafa, Yao Li and Laura Roberts (Johanna Muszbek and Pietro Pezzani)

*Sikorski Memorial Prize* – Thomas Khorsavanifar, Kenneth Elliott, Edward Cowperthwaite, and Connor Rowland (Ronny Ford); Enlai Cheng, Charlotte Whittingham, Catriona Butters and Adam Clarence (Johanna Muszbek and Pietro Pezzani)

*Building Management Prize* – Lewis Washington

### Competition Entry Selection – RIBA dissertaton and Presidents Medal

*Architects Journal Student Prize* – Gemma Bartle, Bonnie Jackson and Vicky Robertson (Dr Francesca Piazzoni and Dr Katerini Antonopoulou)

*RIBA Presidents Dissertation* – Jamie Hole

*RIBA Presidents Silver Medal – part 2* – Rachel Cummings, Brion O'Reilly, Sian Opie and Ashni Patel (Professor Richard Koeck and Dr Hamid Amouzad Khalili)

*RIBA Presidents Silver Medal – part 2* – William Millard, Jason Norris, Callum Skinner, Scott Tonkinson (Dr Francesca Piazzoni and Dr Katerini Antonopoulou)

*Charles Reilly Medal* – Rachel Cummings, Brion O'Reilly, Sian Opie and Ashni Patel (Professor Richard Koeck and Dr Hamid Amouzad Khalili)

*Life of the School* – Jamie Hole, Ffion Douglas, Pip Mack, Kudzai Matsvai, Daniel Rankine Gayle, Danny Aston-Clarke and Bonnie Jackson

*Liverpool Architectural Society Honan International Travel Scholarship* – Daniel Rankine Gayle

## Alumni

Our Alumni family all around the world remains a big part of our school life. THANK YOU for all you do – returning as critics, speakers, sponsors, employers and a vibrant and welcomed audience to our events and participants of the same.

## Sponsors

Thank you to our sponsors who have generously contributed to the prizes:

Ian Ritchie CBE RA, Jonathan Falkingham MBE  
FRIBA, LAS (Liverpool Architectural Society)  
Sheppard Robson, RIBA North West,

University of Liverpool Alumni, School of the Arts,  
Liverpool Architectural Society, AHMM, Swedish  
Wood

## Year of 2022 M.Arch Students



Photograph © David Grant

Molly Fitzpatrick, Daniel Aston-Clarke, Phillipa Mack, Jester Abayari, Helena Sarney, Felix, Ka Ho Tang Farokh Damania, Callum Ross, Bonnie Jackson, Gemma Bartle, Vicky Robertson, Enlai Cheng, Charlotte Whittingham, Catriona Butters, Adam Clarence, Yashna Caleechurn, Abigail Burton-Dadd Jane Georgi, Laura Roberts, Eirini Kafa, Yao Li, Will Millard, Jason Norris, Callum Skinner, Scott Tonkinson, James Hole, Conor Foster, Holly Knight-Parfit, Ffion Douglas, Luke Calum, Kiran Singh Birring, Krishan Patel, Hashim Patel, Farah Amalina binti Mohd Ariff, Rachael McCarthy, Ria Aulak, Thomas Khosravanifar, Kenneth Elliott, Edward Cowperthwaite, Connor Rowland, Hana Koubkova Zhengcheng He, Yuchun Lin, Xinyue Tian, Fariha Arefin





Whole school photo 2022 taken on the site of our new school extension © Martin Winchester







It's been good to see everyone back walking this well trodden route. What a difference a year makes. Good luck year of 2022 come back soon. From all of us. X

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