The University of Sheffield School of Architecture would like to thank the technical and administrative team for their continued support and input throughout the year; in particular, Peter Lathey for his outstanding service to the school and we wish him a happy retirement.

We would also like to thank all of our contributors, everyone involved in curating the exhibition and everyone involved in compiling this catalogue.
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Sheffield Society of Architects 138
Foreword

Sheffield School of Architecture is proud to be home to nearly 700 hundred students studying on a wide variety of highly innovative undergraduate and postgraduate programmes. Diversity, justice and social engagement epitomise what we are about and this School catalogue of work offers a brief window through which to view this collective endeavour. Our talented students and staff have excelled again this year in producing an exceptional outpouring of creativity through critical thinking, research and design. I’d like to invite you to enjoy exploring this over the coming pages and share your thoughts with us via our twitter account @SSoA_News.

The year kicked off with our School hosting the international Association of Architectural Educators conference where staff and students presented a range of papers and workshops. At the same time we held an even bigger and better Summer School second time round, reaching out to students around the world as well as locally.

Our new graduate teaching company, LiveWorks, moved into shop premises in the heart of the Sheffield city centre and hosted a Live Project on Co-housing as well as examining the regeneration of the Castlegate area in Sheffield with our MArch and PGT students. With funding secured from our Faculty of Social Science and the Engaged University project, it continues to grow and expand. This year saw the launch of our exciting MArch programme, Collaborative Practice, which will allow students to study while in practice and ‘earn while they learn’, with praise from the profession and the RIBA as a much needed alternative to campus-based programmes.

World class research underpins all our teaching and we were delighted to be ranked 4th for research overall in the UK Research Excellence Framework assessment. We are leading the development of Architecture Research Practice in the profession through the work of Professor Flora Samuel, while at the same time pushing the boundaries of interdisciplinary design through our forthcoming ‘Architecture and Resilience on a Human Scale’ international conference in September 2015 led by Professor Irena Bauman and others. Meanwhile Professor Doina Petrescu and Dr. Tatjana Schneider have been Visiting Professors at Harvard School of Design and the Hafen University in Hamburg respectively. Professor Jian Kang received the UK Noise Abatement Society’s John Connell Lifetime Achievement award.

Our staff and students have once again excelled at the Regional RIBA awards, including Architect of the Year for Howard Evans and student prizes for Stefania Tsigkouni, Cameron Clarke, Joanna Beal – and Neil Michels, who also picked up the UK Design Council’s ‘One to Watch’ award and was post graduate runner-up in the Global Architecture Graduate Awards (GAGA) 2014. MArch graduate Charlie Palmer was awarded the national RIBA Norman Foster Travelling Scholar prize for his project ‘Cycling Megacities’ which will see him travel to Nigeria, Bangladesh, Mexico and China to explore the relationship between urban environments and cycling. Meanwhile Deborah Adler and Florence Browning have been wonderful in supporting their peers on the MEng Structural Engineering and Architecture dual accredited programme. MArch Students Matt Pearson and Ross Jordan worked with Tony Broomhead and won a competition to design the first ever outdoor fine dining restaurant on a frozen body of water in Winnepeg, Canada.

All this is why Sheffield School of Architecture is ranked 2nd in the UK in The Times 2015 Good University Guide and is in the top 5 UK schools of Architecture in the World according to the 2015 Guardian QS Rankings. My thanks as ever go to all the staff, students, visiting guests, reviewers, alumni and our generous sponsors who have all helped to make this possible.

Fionn Stevenson
Head of School

Special thanks to our sponsors

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Undergraduate

The BA Architecture course is a three-year honours degree that brings together a balanced university education with a professionally orientated course. It combines lecture-based courses with a creative studio culture.

Lectures develop a broad knowledge base ranging across the sciences and humanities; this knowledge is then brought to the studio where it is tested and developed through a sequence of design projects. Lecture courses are delivered by staff who are all at the forefront of their own field of research, ensuring that information imparted is up-to-date and relevant.

Within the studio, full time members of staff are joined by practicing architects, who bring with them topical ideas and skills from the world of architecture. It is this combination of a rigorous academic base and a creative professional direction that exemplifies architecture at Sheffield.

The dual degrees in Architecture+Landscape and Architecture+Structural Engineering enable students to integrate their architectural design work with the wider landscape context and the discipline of engineering respectively.

All courses offer opportunities to think about sustainability and sustainable futures in an interconnected and contextual way.

Undergraduate Programme Director
Simon Chadwick

Director of Dual Architecture and Landscape Architecture studies
Howard Evans

Architectural Coordinator of the Dual MEng course in Structural Engineering and Architecture
Dr. Rachel Cruise
Year One introduces students to a new and very different way of thinking, learning and working. Studio projects introduce a variety of analytical and representational techniques, supported by a range of workshops which introduce the key skills and techniques which the students will use to develop and communicate their design ideas. The aim is to engender a culture of representation, enabling students to make appropriate choices as to how they represent their ideas at different stages of the design process.

Studio projects engage with real clients and scenarios, encouraging an awareness of the social and environmental issues which affect the built environment. The focus of the year is on domestic-scaled space, building on the cohort’s diverse cultural experience prior to coming to University. A strong studio culture, developed through group working and peer review, encourages an atmosphere of collaboration and critical reflection.
Semester One

Project 1
‘Home Truths’
This project enables students to get to know each other, the studio as a work environment, and Sheffield as a place. Working in groups, the students begin by exploring an area of the city in order to identify a potential site. Using only rough physical models, the students are then asked to design a place where the group can live and work, exploring notions of privacy and communality. At the end of the project the students come together to discuss all the things they would need to know in order to further their design, developing a curriculum for a school of architecture.

Project 2
‘Room Archaeology’
Each group is assigned an existing space which they are required to analyse, record and represent in great detail. In the first instance the students are asked to produce a measured survey and photographic record for the space. Special thanks to the Freeman College at Butcher Works, CADS, Exchange Place Studios, and ROCO Creative COOP for their help with this project.

Project 3
‘A Sense of Place’
Working with the same room, the students are asked to analyse and represent the space using a variety of more subjective methods. One-day workshops introduce the students to a range of techniques such as mapping, photography, film-making, animation and collage. The project ends with a series of exhibitions; capturing and communicating the essence of the spaces looked at.

Project 4
‘Person, Activity and Space’
Working in groups, students are asked to explore a specific domestic activity, using representation to analyse and explain what that activity means, how it is physically enacted, and the nature of the space which it might generate. The aim is to develop an understanding of the relationship between person and space, and to begin to appreciate the symbolic and ritual aspect of architectural space.

Project 5
‘Making Space’
Working individually, students are asked to design a pavilion to house the activity explored during P4. The pavilion is a free-standing structure sited in a public space, an object of pleasure and delight, displaying a strong relationship between user, activity and space, and between internal volume and external form. Students are asked to explore degrees of permanence and enclosure, as well as the wider context and how people approach and engage with the spaces they create.

Research Project R1
This introduces the students to the importance of precedent and the value of research, whilst allowing them to develop skills in verbal and visual presentation. Working in their studio groups the students are asked to research a building which uses a particular material in an innovative way, placing their study in the context of the architect’s body of work and other relevant examples taken from the world of contemporary architecture.
Semester Two

Research Project R2
This project builds on the work undertaken for R1, whilst preparing the students for the work they will undertake in the P6 Matter Reality project. Each group visits a place where the material they have been exploring is extracted, fabricated or fabricated, before reporting on their findings to the year group.

Project 6
‘Matter Reality’
Technology in semester one is focussed on the materials used in construction, and the first project of semester two gives the students an opportunity to apply this knowledge. Through a process of playful exploration the students are asked to work in groups to design and make a ‘place for conversation’ using only a single given material. On the final day the finished structures are constructed in the public realm, giving the students an opportunity to see how the public react to, and interact with their design work.

Special thanks to Sandra Barley at the Moor for helping to facilitate this project.

Project 7
‘A House of Sorts’
The final project of the year allows the students to bring together all their experience from both the studio course and the humanities and technology lecture courses into one integrated design project. The students first undertake a detailed analysis of the Kelham Island area of Sheffield. A number of different potential scenarios are then identified for the project, each requiring a family house incorporating space for a particular business or activity. A creative process of brief development takes place before design work begins. The students are then asked to develop and present their proposals using a wide range of the techniques they have experimented with over the course of the year.

Monochrome House
A house for a man who makes things out of reclaimed materials, his partner, and their daughter who has achromatopsia (colour blindness).

Make Do and Mend
A home and workshop where broken and unwanted objects can be brought for repair and re-use, and where technical, manual, and craft skills can be exchanged and re learnt.

House for an Artist
Studio and living accommodation for an artist and their apprentice, integrating the needs of daily life with a requirement for spaces to produce, assemble and curate art.

FabHouse
A house for a digital fabrication enthusiast and his family, incorporating an open-access FabLab offering residential training courses.
Year Two is a fast paced programme of three projects structured to engender greater fluidity and confidence in the design process. The course delivery relies heavily upon the strength of the studio culture. Academic enquiry and reflection is sustained through investment in the ‘large group review’, designed to expand critique and discourse within a supportive social environment. Each of the three projects incorporates specific drawing or model making tasks, orchestrated to extend experimentation and exploration of design ideas through a rigorous methodology. Students are encouraged to become more prolific in the ‘testing’ of their ideas within the world.

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Dominic Wilkinson, Liverpool John Moores University
Tony Skipper
Sarah Wigglesworth, Sarah Wigglesworth Architects
Gayle Appleyard, Gagarin Studio
Nick Walker, Collective Architecture
Sam Goel, Birdfoot Architecture
Seamus Lennon, IDI
Semester One

P1.1 ‘Measure’
Each of the seven tutor groups was required to make a 1:1 scale drawing study of their project theme: Astronomy; Bee Keeping; Foraging; Cycling; Arboriculture; Wine Making and Print Making. In addition to the drawing of an element of the theme itself, students were asked to make a representation of the human form to further emphasise scale.

P1.2 ‘Territory’
As an introduction to a site analysis, students were required to make a large ‘figure ground drawing’ of their site. Each site is in an open, rural or parkland context which incorporates an edge condition of some nature.

P1.3 ‘Threshold’
Having measured the site and the component parts of their given project theme, students are required to design a small building to house the proposed activity. In addition to forming a response to the threshold condition and the wider landscape, the specific pragmatic demands of the theme of the project must be resolved. Students are asked to research component construction methods, and to observe a notion of ‘impermanence’.

P2.1 ‘Neighbourhood Study’
In the second half of Semester 1 the year group embarked upon research into community theatre. As a prelude to the design project, an analysis of the allocated sites was undertaken. Sites were identified in three small communities on the periphery of Sheffield City Centre: Attercliffe, Darnall and Sharrow. Students performed a Neighbourhood Study of the area to explore and analyse the fabric of the community in each location.

P2.2 ‘Perform’
During our Liverpool study visit, Year 2 explored several theatre and performance arts buildings, including the RIBA Stirling Prize winning Everyman Theatre. Upon our return to Sheffield, each student was asked to propose a specific ‘type’ of theatre, or target audience, based on their research of the subject. As a programmatically simple building, the ‘Perform’ project provided a first opportunity to attempt the design of a small public building and an urban façade.
Semester Two

P3.1 'Living Needs - Housing Precedent Study'
Students were asked to select one of fourteen housing case studies. Each project was drawn and modelled in detail, and a short film or animation was made to illustrate the perception of family life within the building. The study was exhibited in the 1st/2nd Year Studio throughout Semester 2 as a design resource.

P3.2 'Masterplan'
As a contextual analysis of the project site, students were asked to explore the territory of the Heeley neighbourhood of Sheffield, and produce a masterplan proposal. Inherent within the design project was an obligation for students to research and investigate the character and identity of the community in Heeley.

P3.3 'Housing'
The housing project brief offers an opportunity to explore the nature of shared space within small communities. Each student is required to design dwellings to house 6-8 families, with an element of additional accommodation to be individually determined. A key component of this year’s project was the individual formulation of a housing ‘manifesto’ facilitated by research seminars lead by SSoA academics. Students were invited to respond to the self-identified themes, and challenge their preconceptions of domestic architecture. Each site provoked a response to the notion of ‘the street’ and students were encouraged to attempt an analysis of a front to back condition through the use of a sectional perspective drawing.

The Housing Project is supported by the study visit to Amsterdam and Rotterdam during the Easter Break, when 88 staff and students toured a variety of Dutch housing districts.

09
Amelia Mega
P3

10
Mariam Shirley
P3

11
Rachel Glenn
P3

12
Lucas Williams
P3

13
Adam Spreckley
P3

14
Eleanor Hill
P3

15
Alicia Chia
P3

16
Katherine Dauncey
P3

17
James Rest
P3

18
Rebecca Liebermann
P3

19
Alexander Haines
P3

20
Lebat Bujang
P3

11
12
13
Third Year

Third year students undertake two design projects during the academic year, punctuated by a short group project which values enquiry and collective output and sets the intellectual framework for the final project.

The studio comprises a range of parallel project briefs, underpinned by a social dimension, the process of making and recognition of the need for a deep understanding of the characteristics of place. The studio aims to encourage students to develop their own position within the contextual and thematic framework provided by project briefs, with emphasis upon the project as a whole as well as the end product, acknowledging the importance of both analysis and synthesis during the design process. Enquiry and experimentation in design are actively encouraged together with a wide range of representational techniques and the creative integration of technology, which is viewed as a valuable contributor to the design process. The resulting variety of design approaches acts itself as a vehicle for reflective discussion and learning within the year as a whole.

The excellent standard of work this year and the results achieved overall is testament to the energy, enthusiasm and commitment of this student group.
Project One

High/Low, Scarborough
Russell Light + David Britch

The project started by creating an eclectic urban atlas of disparate town elements. Informed by the atlas the project explored the possibilities of a hybrid building with functions that don't conventionally sit alongside each other.

Transitions, Scarborough
Maggie Pickles + Ming Chung / Nick Tyson + Paul Testa

This project investigated the architectural qualities of coastal light, and the changes of state that occur during 'hot glass' formation processes. Exhibiting the technology and craft of manufacture, proposals for workshops and galleries were developed around the dynamic flow of heat, light and people.

Stay, Scarborough
Oli Cunningham + Ian Hicklin

This project centred on the idea of arrival in an unfamiliar place and explored the notion of "stay" through a series of activities including a study on packing a bag, and sending a postcard, with resultant projects proposing a variety of hostel and hotel types located across a range of sites.
Project Two

Preliminary Studies

01  
Connecting Communities, Hunslet, Leeds  
Bob Blundell

This study explored the periphery of Leeds city centre, from the site of the planned HS2 station, southwards, along the route of the River Aire. The focus of this exploration was an analysis of underlying connections, networks, and forces that have shaped and continue to influence this part of the city.

02  
Lightspace, Granada Studios, Manchester  
Ming Chung + Nick Tyson

This study explored real materials and manufacturing techniques in the design and fabrication of large-scale spatial models to test how material assemblies can be used to manipulate and modify light.

03  
Sleep Centre, Northern Quarter, Manchester  
David Britch

The project started with exploring the nature of sleep, its physical, cultural and psychological aspects.

04  
Data to Things : Things to Data, Sheffield  
Oli Cunningham

For this preliminary study students researched, disassembled, analysed and categorized a range of (redundant) industrially produced physical objects principally concerned with the processing and digitisation of data.

05  
Fluid Datum, York  
Maggie Pickles

This study researched the changeable margins of the River Ouse as it flows through York, modelling the city’s water management systems which mitigate floods, enable public access and enhance greens/blue routes.

06  
Curating Space, Lace Market, Nottingham  
Russell Light

This study, titled “the museum museum” curated research on historic and contemporary museums and the nature of collection and archive.

Individual Projects

Architecture and Landscape  
Data to Things : Things to Data, Sheffield  
Paul Testa

This project focussed on the culture and context of digital fabrication within the historically industrial area around Little London Road, Sheffield and aimed to reconcile social and physical aspects of digital technology and relate traditional and emerging technologies. This included wider urban strategies and design proposals for landscape as well as for buildings.

07  
Sani Lama

08  
Sani Lama

09  
Lishen Feng

10  
Eleni Elia

11  
Caroline Green

12  
Andrew Merrison
Connecting Communities, Hunslet, Leeds  
Bob Blundell  
These design projects built on the analysis of the connections and networks of the area surrounding the site of the new HS2 station, proposing a wide range of new or continued social, cultural and making activities for a number of contrasting development sites.

Sleep Centre, Northern Quarter, Manchester  
David Britch  
Based around the Co-operative ‘estate’ in Manchester, these projects explored the physical nature of architecture and the ephemeral quality of sleep and its potential effects on people.

Lightspace, Granada Studios, Manchester  
Ming Chung and Nick Tyson  
These design projects explored the nature of natural and artificial light within two very distinct working environments of a set workshop and TV studio in sites close to the old Granada Studios in Manchester.
Data to Things: Things to Data, Sheffield
Oli Cunningham

These design projects focused on the culture and context of digital fabrication within the historically industrial area around Little London Road, Sheffield, and aimed to reconcile social and physical aspects of digital technology and relate traditional and emerging technologies.

Fluid Datum, York
Maggie Pickles

These design projects responded to the fluid river edge of York, proposing architectures that celebrated variable seasonal accessibility to the river, inviting public activity and re-connecting routes with facilities for inter-generational skills transfer.

Curating Space, Lace Market, Nottingham
Russell Light

These design projects focused on the curation, display and archive of a chosen collection alongside university research facilities. The architectural proposals explored the creation of space and viewing experience specific to the museum content.
Undergraduate Special Study

The special study is an individual piece of work that allows students to explore a particular aspect of architecture in some depth. Topics cover a wide subject range, including architectural theory, architectural history, science and technology, structures, management, CAD and the digital realm, landscape architecture, architectural teaching and practice, and urban design. The special study offers students the opportunity to research, organize and produce an extended piece of mostly written work over the course of a year.

Studies this year have ranged from the topical examination of A Space for Activism: Creative Interventions for Democratic Public Space in Seville by Lucia Pells, to Samuel Allen’s historical study of Josiah Condor and Westernisation: A Look at Identity and Change in Japan, and from Laura Dunce’s investigation of architecture’s role in changing attitudes to healthcare, Minimising Stigmatisation of Mental Health Facilities, to Cristina Carcanescu’s poetic and personal study of communist apartment blocks and urban projects in Romania, presented in Hopscotch: a Tale of Home.

These works offer a flavour of the richness, rigour and variety of the Special Study, and the wide range of research methodologies, analytical and presentation techniques that are deployed.

Co-ordinator
Mark Emms
A Space for Activism: Creative Interventions for a Democratic Public Space in Seville

Lucia Pells

Extracts from introduction

Public space is a topic that can often be used to demonstrate the state’s interest in generating profit rather than social prosperity.

The pleasures we find in public spaces are constantly being re-appropriated and exploited by governments and investors as instruments to their ends of power and profit. This is not a recent, nor original observation. The primary purpose of city development of most Western European cities is to increase private investment, as the government aims to attract more tourists, increase property value, and improve city marketing. More often than not, the decisions made over public space fail to consider the current or future social implications, inevitably leading to inequities within the city. In transferring civic amenities such as public space and cultural facilities in to the hands of the private sector, the state often cites the creation of jobs and boosts to local economy as benefiting the majority of city users. However these investments rarely provide any real benefit to peripheral or poorer communities, augmenting the urban, social injustice within the city.

What urban planners fail to acknowledge is that designing the public realm requires a calibration and examination of the required and diverse needs of all individuals. David Harvey insists that the city’s shaping of the urban commons allocates public space only to a select few that will generate the most capital, instead of being collective, non-commodified and open to all. The proposed commercial plaza to surround Seville’s newly constructed Cajasol Tower, endorses Harvey’s principle that the city’s public spaces solely serve as economic assets to the state and its investors.

In the present bleak climate surrounding the public spaces within the city, the prerequisite to think creatively in terms of building and materials, as well as ‘reading between the lines’ of planning laws, has become an essential tool for some individuals and collectives in Seville, who want to secure that public spaces serve the needs and desires of the community.

The context of the capitalist city has commanded that more imaginative, unconventional and unexpected solutions to appropriating obsolete spaces for the public are found, seeing the emergence of ‘guerrilla architects’, such as Santiago Cirugeda, as these new forms of insurgent architecture take place. Their intention is to create and maintain an engagement between themselves, neighbourhood residents, and the rest of the city, to materialise a more democratic public space. The result sees an increase in participation as communities and professionals become actively involved in social change through these spaces.

Vacant and obsolete spaces are emerging more frequently within the city as a direct result of the country’s economic crisis, however these spaces can provide ample opportunity to the public.

The subject of creatively appropriating obsolete spaces for the public’s benefit, and the ambitions, maintenance and outcomes of these activities needs to be critically analysed for the success of future practice. An interview with experts in the field, as well as investigating various case studies in Seville, will scrutinise how creative inventiveness, divergent thinking, a reactive imagination, and positive urban intervention can offer the possibility of change on how the public can use obsolete spaces within the city.

The dissertation intends to make the mechanisms of community-based initiatives and participatory models legible through the analysis of case studies, which will then be applied to a chosen obsolete space that is underutilised by the surrounding community, or the rest of the city. The proposed micro actions initiated by the community will also anticipate the involvement of the rest of the city.

In order to formulate a realistic creative plan for the park, an analysis of the socio-spatial constraints of the space must be made, and not isolate the process from the context or outcome, by asking the following questions throughout the study; what will be the relationship between the urban context and the creative activities? How will the plan affect all city users, which include residents, commuters, and visitors? What principles will guide the plan formulation, context, and implementation?

It would be imprudent to propose a full plan for the park, as this would be contradicting the participatory and democratic approaches of community-led public space projects, therefore the proposal will aim to give people reasons to come together in a space and interact with each other, through creative engagement and discussions, creating a public forum where further decisions can then be made over the functionality of the space.

By employing an imaginative and unconventional scheme for the park through theory and case study and research, the study aims to provide an example of how collective participation and appropriation of an abandoned space like the park could benefit the community, as well as on a macro scale with the rest of Seville.
Postgraduate Taught Masters

There are currently five Postgraduate Taught Masters (PGT) programmes at the School of Architecture:

- MA in Architectural Design (MAAD)
- MA in Urban Design (MAUD)
- MSc in Sustainable Architecture Studies (MSc SAS)
- MA in Conservation and Regeneration (MACR)
- MSc in Digital Design and Interactive Built Environments (MSc DDIBE)

Our PGT programmes build on the expertise of contributing academic staff and are tailored to meet the specific interests of our students. These range from research and practice in areas of experimental architectural design, participatory urban design, conservation and regeneration, sustainability and digital design. The programmes draw on the School’s intellectual ethos, which emphasises social and environmental responsibilities in relation to the design and production of the built environment. The PGT programmes aim to expose students to meaningful conversations and collaborations with researchers and professionals engaged in all aspects of architecture and urban design. We emphasise the importance of allowing students to engage with cutting-edge research and innovation from across the full spectrum of architectural humanities, social sciences, building science, technology and design research. We aim to equip students with the knowledge and skills for international careers in academia, research, practice and other commercial or professional fields where an advanced understanding of the potential of architecture is needed.

Director of Postgraduate Taught Masters programmes
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Dr Renata Tyszczuk (Semester 2)

Programme Leader MA in Architectural Design
Dr Nadia Bertolino

Programme Leader MA in Urban Design
Dr Beatrice De Carli

Programme Leader MSc in Sustainable Architecture Studies
Aidan Hoggard

Programme Leaders MA in Conservation and Regeneration
Dr Josephine Lintonbon, John-Paul Walker

Programme Leader MSc in Digital Design and Interactive Built Environments
Dr Chengzhi Peng
DEMON 1989 5-24/20
Copper Smelting Slag
MA in Urban Design

The programme builds on the School's ethos around the relationship between architecture and society. As such, the MA in Urban Design is grounded in an integrated approach that links spatial design and urban processes as a means to understand the spatial form of contemporary urbanisation, and the social dynamics determining urban form. Our interest lies in the many agents and actors who, in their capacity of engaged citizens, are transforming the meaning and forms of the places they inhabit. With this in mind, the course seeks to establish innovative modes of practice involving agency and community participation, and to investigate which approaches and methodologies might allow for rethinking the role of both designers and citizens in the processes of city-making.

The overall approach of the MAUD programme is underpinned by a desire to critically examine the key urban development challenges that cities are facing today. Who is addressing them? In which ways? To whose inclusion, and exclusion? Local urban areas in Sheffield are taken as a reference for comparison with other UK and international contexts in Europe as well as in Asia, Africa, and Latin America. The main core of the programme consists of a design studio, supported by core modules exploring urban design theory, participatory methodologies, and reflections on urban design practice. These are complemented by a range of optional modules, study-trips, thematic workshops and lecture series.

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Beatrice De Carli

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muf art/architecture
Citizens UK
CLUSTER Cairo Lab for Urban Studies, Training and Environmental Research
Gehl Architects
Group Ginger
Igloo
IntergreatPLUS
Leeds City Council Urban Design Department
MEGAWRA Built Environment Collective
Raumab
Sheffield City Council
Sheffield Civic Trust
Soosos Architekten
The Tetley
University College London, The Bartlett Development Planning Unit
URBED (Urbanism, Environment and Design)
University of Westminster, Faculty of Architecture and the Built Environment

Students
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Bibin Chen
Shuyuan Chen
Jin Dong
Wen Dong
Shuyuan Gao
Lei Gao
Huolin Huang
Yuying Huang
Dan Li
Kaiting Li
Zhuozhang Li
Cuiy Li
Lei Li
Songdao Li
Lu Liu
Yu Liu
Feiyu Long
Jie Lu
Zhaobin Lu
Xincheng Mei
Xiaohui Meng
Zhiyang Miao
Juanming Ren
Ting Shao
Tianzhang Si
Huqin Tang
Xiaoming Tian
Nan Wang
Jing Wang
Zijia Wang
Yan Wang
Yan Xiong
Ting Xu
Chengnan Xu
Lili Yang
Xin Ye
Wenxue Yu
Zhiyan Zhang

MAUD course structure diagram

01

Students engaging with the public in Doncaster as part of a participation in architecture and urban design module

02

MAUD course structure diagram
Key modules are: Urban Tools and Methods - This explores tools and methods for urban design, fostering a creative approach to engaging within urban design processes and changes in the city. The content is structured around six methodological categories: Structured Gathering, Surveying, Mapping, Communicating and Critiquing. The module also creates frameworks for meaningful engagement with urban dwellers and institutions; this year, students ran a Design Charrette as part of the Sheffield Urban Design Week, in partnership with Sheffield City Council, architecture practice Auckett Swanke, and a number of partners associated with Sheffield Urban Design Week.

Participation in Architecture and Urban Design - This aims to give students grounding in the history, theory, and practice of participative design approaches and public engagement. Every year, lectures and reflective seminars are complemented by hands-on experiences. In 2014/15 students engaged in participatory design activities contributing to the ‘Build a New Doncaster’ initiative by Doncaster Civic Trust.

History and Theory of Urban Design - Looking at urban design through a range of topics (such as Order, Movement, Beauty, Nature, Agency), the module introduces students to some of the main concepts, theories and practices of urban design. These are illustrated by local, national and international examples from different historical, political, geographical and environmental periods and areas.

03

Studio workshop with partner organisation CLUSTER Cairo, and incoming MAUD professor Omar Negad

04

Students running a Design Charrette in the Wicker Riverside area during Sheffield Urban Design Week 2014

05

Design process diagram produced by students as part of participation in architecture and urban design module

06

Process map of the Eco Box project produced by students as part of their reflections on urban design practice

07

Film exploring complexities of urban design practice produced by students as part of their reflections on urban design practice
MSc in Sustainable Architecture Studies

The MSc in Sustainable Architecture Studies (MSc SAS) combines social and technical aspects of sustainable architecture through an interdisciplinary approach. The programme has a focus on exploring sustainability through design with dedicated studio modules. Lecturers and supervisors have expertise in lighting, acoustics, modelling, building performance, parametric design and renewable materials. The programme is driven by an ethos of global stewardship and positive regeneration to transform the built environment for a more equitable future. In 2014-2015 the MSc SAS attracted students from the following countries: China, Iraq, Mexico, Spain, Chile, Cyprus, Italy and the United Kingdom.

This year both design studios prioritised climate specific and adaptive responses, working across multiple climate zones. Students drew upon cultural climatic responses from their own backgrounds and developed a complex understanding of the climate vernaculars of their project localities. Both studies began with projects based in Sheffield in relation to the University of Sheffield's energy strategy. In semester two Studio BreathABLE explored projects in the Mediterranean climate of the Nimes region in the South of France and Studio Interactive Urban Skins worked in the continental climate of Zürich/Lucerne. Projects were developed from a detailed analysis and understanding of the local climate conditions.

In semester two visiting Professor for the programme, Cesare Péeren of SuperUse Studios, spent a week in the school. Cesare worked with the MSc SAS students to develop their project strategies in terms of materials and specific approaches for re-use. In a public lecture, Cesare presented his rigorous design methodologies in terms of material harvesting and re-use with the strong agenda that ‘waste is a resource we must not ignore’.

Throughout the year students on the course actively attended conferences and events across the country. At Timber Expo in Birmingham students were exposed to and inspired by some of the latest developments and applications of timber. Many projects later in the year researched and developed these themes to a high level of detail. At FutureBuild keynote presentations including Pierre Laconte and Wayne Hemingway tackled issues related to climate change and the role architectural design has to play.

A number of programme specific modules deliver research led teaching and support the design studios across a range of sustainability areas of knowledge and skills. Over the summer period students develop their own research through either a written or design-based thesis project. This substantial piece of work is supported by supervision from experts in the field within the school and students are aligned to specific staff research groups.

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Aidan Hoggard

Module Co-ordinators and Studio Tutors
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Prof. Steve Fotios
Dr. Ranald Lawrence
Dr. Tsung-Hsien Wang
Dr. Chenghi Peng
Dr. Teresa Hoskyns
Prof. Cesare Peeren
Dr. Lucy Jones
Lucy Plumridge
Vera Hale
Xiang Ren
Aiman Rashid
Bryan Davies
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Francesco Aletta

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Liyi Guo
Jing Huang
Rui Huang
Cheng Ke
Mazin Kishysh
Minnin Li
Mengshu Li
Xiaoxiang Li
Tiancheng Lin
Adrian Rio Lado
Luz Rodriguez Escobar
Andres Rodriguez Ravalan
Lingchao Tang
Jiaxu Hei
Chang Xie
Tingting Xu
Shanshan Xue
Nan Zhang
Yi Zheng

01 Studio field trip to Lucerne
02 Students take part in digital reviews
03 MScSAS trip to Timber Expo, Birmingham
04 Work by Adrian Rio Lado as part of Studio ‘Interactive Urban Skins’
05 Studio field trip
**MA in Conservation and Regeneration**

The MA in Conservation and Regeneration specialises in the theory and practice of building conservation, and conservation-led regeneration. Drawing on expertise in historic built environments, contextual design approaches, and urban history and theory, the programme emphasises the contribution and significance of cultural heritage in shaping and sustaining places and communities. Exploring themes of memory, identity and continuity, students are encouraged to develop the critical skills and acumen to enable them to effectively evaluate and manage change within the historic and built environment of the 21st century.

The programme has been developed in accordance with ICOMOS Guidelines for Education and Training and it is fully recognised by the Institute of Historic Building Conservation.

The MACR students have worked on two conservation projects throughout this year as part of Studio Future Pasts, a cross disciplinary group bringing together students from the MACR and MArch programmes looking at the future of the controversial Castlegate area of Sheffield. Our studio projects draw upon knowledge gained throughout the year in three specialist conservation and regeneration modules looking at Policy and Law, Principles and Approaches and Materials and Techniques. Students produce a conservation appraisal for each project and propose a conservation strategy addressing both design and delivery. As part of their studies the MACR students also visited Berlin to look at a diverse range of approaches to the re-use of buildings.

---

Programme Leaders
Jo Lintonbon + John-Paul Walker

Module Co-ordinators and Studio Tutors
John-Paul Walker
Jo Lintonbon
Mark Emms
Dr Peter Blundell Jones
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Thesis Supervisors
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MSc in Digital Design & Interactive Built Environments

The MSc in Digital Design & Interactive Built Environments (MSc DDIBE) is a digital design based programme grounded in the theoretical and practical study of digital media, techniques and technologies and their role in challenging the way built environments are designed, constructed, inhabited and evaluated. Students were introduced to a wide range of digital design methods and techniques including parametric modelling linked to 3D printing, advanced environmental simulations for site-specific climate change adaptation design, computation design with Processing & Rhino-Grasshopper, BIM-based analyses and digital-physical prototyping. Studio MAKE (Modelling Adaptive Kinetic Environments) is where MSc DDIBE students actively engage with creative applications of digital design thinking and techniques in prototyping design of innovative interactive built environments.

The theme of Studio MAKE 2014-15 is Interactive Campus (iCampus) – students investigated their campus sites with reference to the University of Sheffield Masterplan 2014 and developed site-specific programmes of interactivity taking into account present and future spatial, environmental, user and technological changes. The climax of the studio endeavour is the digital-physical prototyping of how the proposed programmes of interactivity may be tested and implemented. The MSc DDIBE is an innovative and intensive MSc programme through which students acquire the theoretical knowledge and applied digital methods needed to develop cutting-edge digital blueprints of future built environments fit for the challenges and possibilities of a digital world.

Programme Leader
Chengzhi Peng

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Rudan Ding
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Xu Guang
David Illescas
Reema Kadri
Xiuyuan Wu
Zixing Yang
Jiashu Yao
Chunqi Zhang

01 Students visit the lab of Professor Philippe Block during their field trip to ETH Zurich

02 Students during their field trip to ETH Zurich

03 Schematic visualisations of the neighbourhood-wide IBE initiative developed as part of studio MAKE

04 In-situ data collection and visualisation carried out by students

05 Schematic visualisations of the neighbourhood-wide IBE initiative developed as part of studio MAKE

06 Schematic visualisations of the neighbourhood-wide IBE initiative developed as part of studio MAKE

07 Urban micro-climate modelling undertaken as part of studio MAKE

08 Global data mapping undertaken as part of studio MAKE
Studio MAKE

Studio MAKE (Modelling Adaptive Kinetic Environments) investigates how innovative syntheses of digital (virtual) and physical environments can lead to production of interactive built environments (IBE). For IBE to fulfill the role of mediating everyday life interactions in a digital world, the design process needs to address multiple requirements including spatial, temporal, user, environmental, social and technological. Increasingly, designers are expected to produce built spaces and places affording properties and experiences now only just emerging such as location-specific adaptation to climate change, real-time responsiveness to pervasiveness of digital interactions, smart homes for ageing-in-place, personalised information-rich navigation of cultural heritage sites, among others. The theme of Studio MAKE 2014-15 is Interactive Campus (iCampus) drawing on a critical reading of “The University of Sheffield Masterplan 2014” developed by FCB Studios and others. During Semester 1, groups of students investigated campus sites and produced neighbourhood-wide schemes of IBE initiatives as frameworks for specifying their personal iCampus projects. In addition to modules on Parametric Architectural Geometry and Computational Design, students were introduced to a series of workshops on site-specific climate change simulation, mixed reality modelling and elements of physical computing as part of the Studio MAKE activities. Following the Studio MAKE field trip to the ETH and EPFL campuses and labs in Switzerland, in Semester 2, students embarked on detailed design to implement their site-specific programmes of interactivity. Studio tutorials and reviews were provided to support the students’ conceptual and technical developments. The emphasis was on creative syntheses of digital design strategies, methods and techniques into coherent IBE schemes addressing the challenges and opportunities presented by the sites. We were fortunate to have Ben Tew to work with us as the external reviewer throughout the year who has brought us in close contact with the state of the art in the professional making of IBE.

Studio Tutors
David Illescas
Chengshi Peng
Tsun-Haien Wang
Mark Meagher

MSc DIBEE Students
Rudan Ding
Belinda Ercan
Xu Guang

External Reviewers
Ben Tew

01 David Illescas - Interactive Wind Structure
The project creates an interactive wind structure at the start/ end of the proposed City Gold Route, based on the evaluation of weather data from past years and simulations of future climate change scenarios, to address its potential long-lasting impacts. This intervention will interact with the surrounding natural and built environments providing wind-generated energy from the rotating panels, which also interact with people. It aims to create quality sheltered space, providing links between the built and natural environment currently missing from the site and the Masterplan.

02 Jiashu Yao - Interactive Pavilions for the Arts Tower Court
This project is based on creating a new shared space at the proposed Arts Tower Court by providing an instantaneous shading strategy interacting with the solar radiation. Two principal parts of this project are integrated mapping and panel interactivity which are designed with inputs from ENVi-net urban microclimate simulation and natural light sensing respectively.

03 Xu Guang - Interactive Floor for the Diamond Plaza
The project aims to improve interactivity within the plaza surrounded by Jessop West, Bio-incubator, and the Diamond. An interactive LED tiled floor system is proposed to provide more options for the pedestrians. Grasshopper-based simulation and physical prototyping in Arduino IBE supported the development of the project. The overall design process represents a productive combination of multiple software and digital design strategies.

04 Xueyan Wu - A Printable Sunshade System
A printable surface system was created, from the interactions between data from people and environment, responding to the complex interactions within the Concourse. Focusing on microclimate changes, the project uses simulated data to generate form and “print” the shading surfaces. The design method is software-based and has undergone several physical input & output tests, with the design workflow incorporating both the generation of prototypes and form finding methodologies.

05 Rudan Ding - Interactive Parasol
The project is located in the centre of the University, and investigates the possibilities of integrating urban microclimate data into the design, and using it as criteria for the built design. The example of lightweight and breathable materials is used, and the possibilities of computational design methods for context-sensitive integrated design strategies.

06 Belinda Ercan – Social Media Hubs
This project aims to give students a real-time occupancy data insight, through an installation on the Information Common’s facade. This media façade will help students to choose their preferred spaces of study informatively as well as injecting new distinctive characters of digital creativity to the campus site.

07 Zixing Yang - Media Façade
This project focuses on increasing illuminance by installing a site-specific outdoor heliostat, which can redirect sunlight to dark areas of the campus site surrounded by the Hicks Building and the Students Union. By simulating current daylight conditions on the site, a basic metric was built. It was also the input data for the project. An algorithm of identifying target areas and allocating mirrors was developed to actuate sunlight reflecting to the site.
MA in Architectural Design

The MA in Architectural Design is a design-based Masters course focusing on knowledge of design approaches, processes and architectural research methodologies. It encourages students to develop a distinctive design practice, underpinned by a deep interest in social dynamics and architectural culture. The programme builds on the SSoA’s acclaimed research and teaching expertise in the area of architectural design, complementing the work done in ARB/RIBA accredited programmes of the School. These consider architectural design within a broad social, environmental and economic context.

Students on the MAAD programme are encouraged to explore, challenge, and inform contemporary architectural design practice through seminars, research, studio project work, field trips, and participation in design-led practice, teaching and learning innovations – for example the pioneering ‘Live Projects’.

Students registered for the MAAD programme will attend specific Core Modules. Then, according to their major interest, they can either choose Route A (Theory-based) or Route B (Practice-based). The studio work is an essential part of the MA in Architectural Design. Our thematic studios investigate architectural themes in depth, according to the studio tutors’ research interests. The aim is to consider design within the context of rigorous and innovative research. The core module Reflections on Architectural Design supports students in understanding the value of architectural research within the contemporary design framework and it relates directly to their studio work.

Programme Leader
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Module Co-ordinators and Studio Tutors
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Li Yao
Liao Wenxi
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Liu Jiaxi
Liu Qing
Liu Shutong
Lu Jiayang
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Qin Shaohua
Ren Meiyou
Ren Peilin
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Sun Huayang
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Wang Yue
Xu Wanqing
Xue Ying
Yang Fan
Yu Junbo
Yu Rui
Zhang Ke
Zhang Luming
Zhang Xue
Zhao Bin
Zhao Haoyi
Zhao Xin
Zheng Yuan
Zhong Wenjie
Zhou Ling
Zhuang Jingwei

01 Studio field trip to Venice
02 Students take part in a workshop on critical mapping, as part of their reflections on Architectural Design
03 Studio interim reviews
04 Fieldwork, Live Project ‘Merz Legacy’
05 Live project tutorials
06 Cross-studio interim review
Studio Cities in Transition

Studio Cities in Transition investigates the contemporary challenges that architectural design must face in the process of urban shrinkage due to the economic downturn. Traditional tools to analyse the city and design spaces are no more effective within this transitional context so what are the tools to understand the reality that may be effective in the contemporary context? What features need to be mapped as relevant issues in the creative process? Cities in Transition studio tried to rediscover the hidden ‘beauty’ of forgotten places, re-activating urban fabrics, once characterized by lively intense community activities, interpreting memory of places and translating social needs into innovative design solutions, even by enhancing the balance between built environment and nature.

We started our investigation from a testing ground site close to Sheffield city centre, to test research methodologies and design approaches for such vulnerable places. Then we moved out attention to another case-study, located in Padova, Italy. Due to the contextual similarities among the two sites, it has been possible to get a preliminary understanding of the place, through a deductive process of thinking. The fieldwork has been useful to demonstrate the effectiveness of our reflective actions.

At this stage, our studio started a long-distance collaboration with the students of the MA Building Engineering/Architecture at the University of Padova, dealing with the same project site and similar research issues.

During our creative process, we tackled several research questions: What does it mean when cities go through a de-urbanisation process? What does it mean to design within a “return-to-nature” condition? Should we imagine and construct entirely different forms of economics, politics and culture? Will the increasing number of temporal uses and informal spaces be the solution? What is the meaning of social innovation in the process of urban transition? What kind of spatial layouts originate from it?

Studio Tutor
Nadia Bertolino

MAAD Students
Betsabe Penaherrera
Chun-Yin Lin
Jiaoyang Lu
Ling Zhou
Mayue Ren
Qian Du
Rui Yu
Shulin Lai
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Yao Li
Zin Zhao

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Ioanni Delsante

01 Betsabe Penaherrera - Anti-Construction

If shrinking is part of the life cycle, the solution is not the construction of a giant structure, but strategic actions that allow a better use of land and can better reveal the site’s potential. Architecture that answers to the law of evolution and is fully adaptable to change. It is not the most eccentric nor the most regular architecture the one that survives; it is the one that makes people’s experiences become memorable.

02 Rui Yu - Border Vacuum

‘Border Vacuum’ is a combination of three proposals that all aim to connect each of the site’s districts. The first one reacting to the edge of the industrial area in order to reform the relationship between residential and industrial. The second one adds walking and cycling elements from the residential to the industrial, allowing local residents to walk through and enhancing the opportunities of interaction. The last one proposes the reuse of the existing building as a public bookstore and cafe, providing a space for communal activity and communication.

03 Ling Zhou - Coming Back to the City

The site is an in-between space between the industrial area and the residential area. Research and analysis lead to the creation of three future scenarios for 10, 20, and 50 years within the future, concluding to a vital need for design solutions that would enrich the area’s functions. One of the solutions was the development of a public office that would act as a catalyst for discussion and through local action lead to urban reactivation.

04 Xin Zhao - Post IKEA

My design is post IKEA, which is about the deconstruction of the IKEA in Padova. My site is located near the artificial lake. It includes the lake, the under-bridge area and IKEA. I plan to promote both the economical and natural environment to develop and solve the shrinking issue in Padova by introducing new possibilities for the residents to develop their individual, local business instead of the capital-controlled business. Moreover, by extending the natural environment to the commercial environment and by developing the agricultural land in the commercial place, my project aims to give people more chances to be closer to nature and enjoy nature.

05 Qian Du - Habitat

This project aims to create a place where human and animals can co-exist, with ecological and sustainable development. Water plays an important role in creating this status. Architectural spaces will be harnessing the water cycle via technology to improve the environment. The improved environment will help architectural spaces to attract more users. It will contribute to form a sense of environment and stimulate local economy creating a balance between humans and nature.
Wei Wang - Art as the Catalyst
Dealing with a sample of shrinking city, the aim is to imagine the future of Padova’s industrial district. Through the analysis of the site and social issues, the industrial area might be abandoned in the future but new functions will birth from this place. Through the improvement and development at people’s requests this area will be rebirthed for creative purposes.

Jiayang Lu - From Factory to Landscape
After practical site research in Padova, I have imagined the possible changes in ten years, thirty years and fifty years. I determined the design direction which is to transform the factories to public and to make factories as part of the urban landscape. By doing this, the aim is to provide the public with a leisure place. In the meantime, the impression of the industrial district could be improved and more people would be attracted there.

Wenqian Ni - Human Involvement
My design started from dealing with the problems of the Padova river site. This site needs a bridge in the centre to facilitate people’s activities and involve some sports in the wasteland. Finally, this whole area will be changed by people and it will need a visitor centre in the future. My design has taken the river area to create an urbanism landscape that provide the residents with a greater community experience.

Shulin Lai - Farming on the Edge
The aim of this project is providing low cost houses to help new immigrants settle in Italy. This project includes housing, workshop and organic urban farm. Building construction will start from riverside houses and growing vegetables and fruits. Furthermore, the workshop will be built for food production and power generation. Finally, restaurants and clubs are constructed.

Wanqing Xu - Welcome to Self-Built Tribe
This project is originated from the biodiversity of this site. The wild landscape is suitable to create a self-built community. I started from the underpass space for the public activities and then the unfinished workshop “making” their buildings. It is an open structure and organized of modules. People can choose each spaces they like and we will support materials they will need so they can finish their own spaces themselves.

Meiyue Ren - Architectural Facebook
In most developed cities, people are facing the shrinking of aspects of their living context. People nowadays need smaller scale buildings and spaces that ease communication. I created a space that is flexible to contain more diversity and to suit people’s requirements. Transparent corridor space is created for them to connect with each other. That is called ‘Architectural Facebook’.

Yao Li - Art Island
The aim of this design is to build an attractive area as the starting point for Padova’s industrial region’s regeneration. After intense development, the decay of city creates many voids in Padova. This design transforms urban voids around buildings, makes them from private to public, from closed to open, by breaking the original factory and creating new interactive voids.

Chun-Yin Lin - Sharing Your Goods
The Sharing Market contains open-air activities and exchanging spaces for different types of trading. Moreover, considering this market as a hub of community, this space also provides café and community library. In addition, in order to keep the resource of crops and decrease the dependence of commercial seeds, the seed-library will collect every generation of crops to maintain the advantages of hybrid crops. The Sharing Market is not only a place to get something people need, but also a space for sharing their life.
MArch in Architecture

The MArch (RIBA Part 2) course at SSoA is one of the most innovative and influential in the country. It prepares students to be enterprising, employable and to use their skills to the benefit of people’s lives. At the heart of the course is a range of specialist design studios and our innovative ‘live projects’ programme, offering between them excellent opportunities for students to develop graduate-level research by design. Students also have the opportunity to specialise further by taking a dual accredited MArch course with Town and Regional Planning (MArch/TRP) or with Landscape (MALA).

Modules in humanities, management and technology offer students the opportunity to enhance their design projects and wider learning through focused research, academic writing and critical reflection. Further opportunities to explore specialist lines of enquiry are offered by the fifth year option modules that focus on aspects of urban design, digital design, sustainability, conservation and architectural education.

The SSoA MArch is shaped by its emphasis on collaboration, social engagement and ‘liveness’. This begins each year with live projects and continues in design studios that collaborate with community partners including local councils, grassroots organisations and arts programmes. Projects evolve that are ambitious, innovative and respond to the complexity of real-life conditions. This year, through ‘This Changes Everything’, a cross-studio programme of seminars, lectures and student presentations, projects have evolved with a particular emphasis upon the architect’s role in tackling climate change on a local, regional and global scale.

Fifth and sixth year students work together in design studios, alongside specialist masters students, to explore current challenges and opportunities in architecture. Students are encouraged to develop a critical approach to the production of architecture in contemporary society. The design studios offer students the freedom to experiment and develop their own lines of enquiry while being supported by tutors who offer excellent specialist research and practice experience.

The fifth year offers students the chance to develop rigorous research by design skills. The iterative process of design is valued, as well as the outcomes, and students are encouraged to develop their individual interests, ways of working and attitude towards architecture and the role of the architect. Sixth year students then develop individual thesis projects, exploring research questions through the design of complex buildings. Students are encouraged to be canny, ambitious, and enterprising so not only can they negotiate and respond to the challenges of our time, but also lead on what ‘Future Practice’ might be. A practice that can listen, negotiate and advocate clients’ and users’ needs in order to produce architecture of excellence.

MArch + MArch/TRA Director
Carolyn Butterworth

MALA Director
Howard Evans

Co-director
Leo Care

Studio Activators in Place
Leo Care
Rob Thompson

Studio BreathABLE
Lucy Plumridge
Lucy Jones

Studio Future Past
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Studio Future Works
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Studio Global Praxis
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Studio in Residence
Carolyn Butterworth
Ellen Page

Studio Intergenerational Architecture
Szewkinder Samra
Robin Watts

Studio Interactive Urban Skins
Aidan Hoggard
Bryan Davies

Studio Intergenerational Architecture
Szewkinder Samra
Robin Watts

Studio Landscape + Urbanism
Howard Evans
John Sampson

Studio (Re)-Activist Architecture
Simon Baker
Helen Stratford

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Carole Latham
Warren McFadden
Gary Thomson
Rachel Haynes
Jim Reed
Joanna Coleman
Paul Monaghan
Greg Penoyre
Sam Vardy
Roger Hawkins

Daniel Tassell & Martin Lydon
Neil Stacey
David Cash
Richard Holland
Ben Gibson & Matt Thornley
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Cesare Peeren
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Flora Samuel
Stephen Walker
Laurence Pattacini
Sarah Wigglesworth
Dan Jary
Rosie Parnell
George Lovett
Adam Park

MArch in Architecture
START-UP HELL!

CROWDFUNDING HOUSING?

TELL ME ABOUT THESE BONDS!

I WANT A HOUSE LIKE THIS!

WE HAVE A GROUP AVAILABLE.

WHAT IS HOUSING ON HERE?

HOUSING IS 300000 GROSS?

WHAT’S THIS FIDES THING ABOUT?

WE’RE NOT SURE!

A FIDUCIARY CONTRACT IS...

WHAT DOES THE PROJECT GO LIVE ON FIRE?

TUESDAY
Studio Landscape + Urbanism

In a globally connected society what is the role of the local? The studio has looked at the implications of devolution of powers from a centralised government system to a polycentric localised network. The studio has focused on how infrastructure, networks and connectivity inform growth in the modern city. How do the organisational structures inform and influence the growth and development of our cities? Located in and around Sheffield, the studio has explored the impact of national infrastructure projects such as HS2, One North and HS3 on the future of the both the region and the city. A number of reports over the last decade point towards the creation of a northern supercity with better connectivity between Liverpool, Manchester, Leeds, Hull and Sheffield.

As a studio we have explored the changes wrought on an urban landscape by economic, social and ecological agendas, through a research led methodology. Where possible we have adopted strategies of mitigation over adaptation, looking particularly at the impact of transport, housing, education and commerce on the sustainable growth of a city. The studio methodology has incorporated a number of creative methods and tactical processes; narrative development, mapping as a transformative tool, interdisciplinary working, working with new futures thinking and new economic practices to explore how transformation can happen through the processes of collaboration and participation. The resulting projects explore a broad spectrum of interests, from regional flood mitigation to local flood resilience, from economic and business support to social support and skills growth. All projects talk about how Sheffield can grow to become a stronger city that builds on its strong social and manufacturing history.

Studio Tutors
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John Sampson

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Christopher Hill
Lillian Ingleby
Yu Qian

6th Year Students
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Laura Gouk
Hannah Griffiths
Rhys Schofield
Calum Shields
Tendai Taruvinga
Richard Wallace
Xinahu Zhu

MAUD Students
Wen Dong
Huilin Huang
Yuanying Huang
Dan Li
Jie Lu
Xiaohui Meng
Xiaoxiang Tian
Nan Wang
Yali Wang
Yunrong Yang

Visiting Tutors
Timothy Wray
Stoos Architekten
Lorenzo Casini
Bauman Lyons Architects

01 Jie Lu - Living with Nature

Supposing the new Victoria HS2 station will be built, my site responds to changes in this area. In order to catch the opportunity that the new station will bring to the city and maximise the potential of the existing natural elements in this area, I use the approach of Urban Acupuncture to build up the ecological network step by step and transform the existing industrial area into a residential area. The aim of the project is to create a high quality and friendly neighbourhood for people to live with nature.

02 Calum Shields - Reclaimed Timber Enterprise

With the aim of increasing the use of reclaimed materials in new building projects, I propose the Reclaimed Timber Enterprise which will take waste timber from the construction & demolition industry, restore it for reuse, and manufacture it into Structural Insulated Panels for use in construction. This process requires skills in woodworking, computer aided design and machinery use, and the enterprise will offer apprenticeship schemes which will provide training in these, bringing education and employment to an area of east Sheffield in need of it.

03 Joseph Gautrey - ForPeatSake: International Research & Visitor Centre

94% of the worlds peat stores have been depleted in the last few decades through intensive irrigation for construction, agricultural, and horticulture uses. New global action to protect endangered peatlands has subsequently commenced to restore such sites back to their natural state. One of these first sites is Thorne Moor – the remanence of a much larger wetland ecosystem situated in South Yorkshire’s Humberhead Levels. This project sits within this existing restoration scheme with the aim to provide an international research base for the continual restoration process, and an enhanced visitor experience to provide a recreational and an educational resource. The overall aim is to leave a lasting legacy for the Humberhead peatlands and a benchmark for endangered peatland reserves worldwide.

04 Nan Wang - Water Sensitive Urban Design

Flood issue is a severe problem in my site. So my design is about tackling flood by analyzing the causes of flood in both South Yorkshire and Sheffield scales. I concluded the methods in the masterplan mapping and choose two sites to make detailed plans. One is in the Wicker and the other is to the east of the site. The project creates a brand new wetland, and makes it not only resilient to flood but also a water friendly landscape.

05 Xiaoxiang Tian - Breathable Neighbourhood

Breathable Neighbourhood is a specific extension of public space. It can be separated into two parts: nature and people. People who live in this neighbourhood can lead breathable public lives. Breathable Neighbourhood not only provides social and accessible space based on POE theory, but also contains the active, walkable, mixed-use and characteristic aspects. In addition, plants and animals consist of natural elements, which means other creatures can also share the breathable life in the site with people getting close to nature.
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06
Rhys Schofield - The Wickerworks, Sheffield
The proposal ‘The Wickerworks’, sets out to develop a new type of job centre to be located in the deprived Wicker area of North-East Sheffield. The proposal will accommodate all existing job centre services and in addition, provide for an array of more practical training and voluntary groups which have hitherto not been located on a single site. A principle requirement of the proposals is that it must be inviting to all user groups, thereby reintegrating the job centre as a positively perceived public building by all.

07
Yunrong Yang - Interaction
The theme of my project is interaction, particularly between living creatures and human beings, to create a sustainable waterside habitat. The project considers the water element, including both the canal and the river don. Starting from Sheffield scale, and zooming in several times in different scales, the project finally focuses on a key selected site, and smaller key nodes, trying to make the concept ‘interaction’ reflected into the urban context.

08
Huilin Huang - New Biophilic Neighbourhood
‘A new biophilic neighbourhood’ is trying to transform a typical urban redundant industrial site, with contamination and affected environment from being an industrial park, towards becoming an area for biophilic and sustainable living. The project is a neighbourhood with abundant nature and natural systems that are visible and accessible to urbanites. The project addresses the physical conditions and urban design, also providing emotional commitment and concern about nature and other forms of life.

09
Yali Wang - Innovation District
Innovation district is a geographic area where leading-edge anchor institutions and companies cluster and connect with start-ups, business incubators, and accelerators. It is a physically compact, transit-accessible, and technically-wired area that offers mixed-use housing, office and retail. It is a key vehicle for economic growth and job creation.

10
Lillian Ingleby - The Building Society
The Building Society is a speculative project looking at how we can facilitate fairer, smaller Urban Grain development amongst the developer-culture which creates a perceived barrier to engagement with the built environment. It does this through creating a framework for the redevelopment of an urban block through an educational programme culminating in custom build housing and a wealth of cooperatively owned and managed shared facilities set into the hillside underneath it. It responds to the domestic hierarchy of residential needs by creating a robust adaptable house design which can be boldly customised and create a more expressive and engaged neighbourhood.

11
Richard Wallace - Collaborative Workscape
The project builds on the evolving typology of the workplace, and inherent entrepreneurial identity of the area, to provide collaborative workspace for startup businesses. Expanding the scope of collaborative space, the scheme also integrates social facilities towards engaging the local community groups of small scale manufacturers and African Caribbean people in opportunities for new business. Overlapping knowledge, skills and experience, a scenario is developed in which regeneration is undertaken through the growth of new enterprise across the area’s post-industrial landscape.

12
Dan Li - Regeneration of Wicker and Riverside
This project focuses on the regeneration of Wicker area. My site brings the function of a new cultural centre aiding regeneration. The purpose is to create more public space for social activities. Through using the roof space, street space and square space, more human scale space is built for people to communicate with each other. The site has many listed buildings and strong patterns, so the relationship between new and old is key in the regeneration.

13
Christopher Hill - Neepsend Transit Hub
The project has been strongly influenced by the studio investigations into the impact of HS2 in Sheffield, with a philosophy of making infrastructure investment more local, viable, and sustainable. The Don Valley line is an integral infrastructure strategy that can provide better regional connectivity within and beyond Sheffield, with or without HS2. A combined transit hub at Neepsend is the poster image for the potential regenerative effect the Don Valley line could have on Sheffield. The transit hub, realised within a local and city wide economic strategy based on exploiting Sheffield’s rich industrial heritage and leisure opportunities, is also the centre for a new community that can thrive through the connectivity provided by the Don Valley line.

14
Laura Gouk - Feeding Firth Park
The project looks at tackling food waste and increasing food education in communities, and proposes launching an aspirational and flagship community facility in Firth Park that strengthens a weak link in our existing food cycle. The aim was to facilitate an existing client group – The Real Junk Food Project- in their action research rather than imposing a redesigned system, generating a programme of community kitchens, classrooms, group spaces and landscape that integrated the project within the residential area and the neighbouring park.

15
Wen Dong - A Birth of A Cycling City
‘A birth of a cycling city’ is the aim to explore the cycling network improvement strategy of Sheffield north district. The project is based on research into urban cycling issues, and then proposes a strategy to develop the cycling infrastructure and spaces in Sheffield. The project focuses on both the network planning proposals and nodes of improvement proposals, trying to find a way to change the city to be cycling dominated step by step.

16
Xinhu Zhu - Future Masters
In the incoming Industry 4.0 era, Sheffield’s advanced manufacturing technology can truly lead this revolution if it liberates this technology to the public and make the ‘advanced’ into the ‘everyday’ and ‘everybody’. This institute aims to bridge the A.M.R.C. and its UTC students in Sheffield with traditional makers, then expanding the learning to the general public. The building consists of a maker’s lab, a gallery, a public workshop, café, a visitor’s route and independent makers village. Situated at the core of Sheffield CIQ, a shared landscape heart between UTC, Yorkshire Art Space and Future Masters will hold the ‘Festival of the Mind’ and other activities in the future to promote Sheffield’s industry identity.
17 Hannah Griffiths - In Transition
This thesis has developed in response to the need for our society to move towards a low carbon future. Can design start to address the need for fundamental changes in our values and behaviour considering the different aspects of our lifestyles which contribute towards high energy consumption? With the aim to make sustainable living 'part of the everyday', the project proposes a new mixed use residential neighbourhood within the area of Kelham Island, and includes a diverse mix of house types, shared neighbourhood facilities and high street commercial units.

18 Tendai Tarurvinga - Independent Democratic Policy Exchange
Situated in the year 2030 following the conclusion of the construction of HS2 through the centre of Sheffield, this thesis project positions itself at the centre of current conversations surrounding devolution, democracy, multiculturalism and transport-led regeneration within contemporary Britain. The thesis explores the concept of a devolved model of governance and social policy research within Sheffield’s Wicker area. This body will oversee all democratic affairs at a city regional scale operating from a purpose-built civic convergence point at the heart of the Sheffield City Region.

19 Yueying Huang - A Walkable Gateway
The project will start from building up the systematic pedestrian network and attached public open space network. There are three key approaches, which are the green route, culture route and shared space. The two main routes (green route and culture route) will be considered as the framework of these two networks, and shared space will be the connective areas to integrate the whole project. I utilise plot-based urbanism as a principle to reconsider the existing objects, reorganize the different function division, and redesign the whole area.

20 Xianzhe Meng - Grow City
Within Sheffield city, urbanization rate is high, meaning a small proportion of people produce food for the majority of people. I try to explore possibilities to create urban farms in the Wicker and Upper Don Valley areas. The urban farm project can provide more options for people to get food within their daily lives. This can also offer some cheap and edible landscape to the declining areas, which acts as a fuel to activate the area.

21 Emma Low - Revealing the River Don
This project demonstrates how the city of Sheffield could be re-branded from grey to green, transforming the Don Valley into an area of urban parkland and attracting visitors and investment from the South. The project proposes designs for an outdoor recreation centre on the River Don with education spaces, hostel accommodation and facilities for climbers, kayakers, runners and swimmers. A series of pavilions in the landscape, materials were selected to celebrate the city’s industrial heritage and enhance the connection with the surrounding Peak District landscape.

22 Yu Qian - Manor Live + Work Project
This project is trying to create low cost and affordable housing including residential and office function for Sheffield’s local young people aged between 19-25 years old, providing them spaces to start their own business at low entry threshold. “Affordable”, “low cost” is not equal to lowering the living standard. Using suitable material and design could still keep the building low cost but still in good quality with decent atmosphere.
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Studio BreathABLE

The studio set out to investigate “sustainable relationalism”; which seeks to improve relationships between people and the environment; and to utilise low impact materials in construction. We took field trips to the Centre for Alternative Technology in Wales, Eco-Build and to the south of France to visit buildings that were retrofitted with water reeds and baled rice and then heated with biomass of locally produced rice pellets.

MArch students solely worked in the BBEST (Broomhill, Broomfield, Endcliffe, Summerfield and Tapton) area of Sheffield, whereas MSc Sustainable Architecture Studies students also worked on projects at the UNESCO Pont du Gard site in France.

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<th>Studio Tutors</th>
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<tr>
<td>Lucy Jones</td>
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<td>Lucy Plumridge</td>
<td>Emily Pieters - Benoy</td>
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<td>Bijan Azmayesh - Ostraka</td>
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<td>Césare Peeren - Superuse Studios</td>
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<td>Yi Zheng</td>
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01 Jonathan Wilson - Food Cycle
Food Cycle outlines the creation of a social initiative, based around a proposed Food Hub in Broomhill: using locally grown food and locally sourced food waste as a means of educating and providing social outreach. It bridges the social divide between Broomhill and Crookes by emphasising the need for a ‘sharing’ mentality. Utilising reclaimed construction packaging waste streams within a large superstructure, it allows the low-tech building to grow as the needs for the facilities expand; providing a market hall, a social hub and workshop spaces, along with an anaerobic digester, the building draws from the entire life cycle of food.

02 Anthony Lau - XL Commons
XL-Commons considers a radical intervention of well-being in the society in terms of scale. Reflecting on the current fragmented provision of civic spaces, the project investigates how a supersize community space may be an antidote to materialism, and the pursuit of ‘unsustainable’ happiness. Instead, the project suggests an alternative vision of future urban development that facilitates the discovery of happiness through well-being. Based on five key elements of well-being (sharing, learning, mindfulness, activity and connectivity), the project provides a central hub for these activities. The shared process of growing, cooking and eating food embeds the building in its surrounding further enhanced XL-Commons’ role in facilitating the pursuit of sustainable happiness through well-being.

03 Tom Stanton - Broomhill Community Base
With our local libraries in decline, where will we go for easily accessible community resources? My research suggested a solution was to find alternative uses for surplus books kept at home to construct sustainable, flexible, low cost schemes. By using locally sourced books in construction, carbon miles are reduced. Local people are given opportunities to interact with one another through their involvement in the construction of valuable community resources.
04 Sirdeep Singh Nandera - The Tower Framework
The Tower Framework serves as a project which attempts to challenge the preconceived ideas of densified living by offering an alternative solution to Sheffield's housing disparity. My project utilizes the structure from an existing tower and explores the interconnectivity of spaces and challenges what we naturally perceive to be as boundaries. The project carries a communal and social agenda and therefore housing modules that slot into the existing structure each have a retractable façade which open out into communal spaces. The project moves away from traditional static corridors and instead corridors are transformed into usable spaces which can hold social activities.

05 Yi Zheng - Energy Education Centre at the Pont du Gard
As one of the masterpieces of human construction built in the natural landscape, Pont du Gard and its history has been introduced in the museum of visitor centre. Besides that, the site also contains some agriculture fields which represents interaction between nature and human. Hence, it would be interesting and necessary to provide a place for visitors to communicate and learn the feeling and knowledge about the environment of the site. The basic concept of this project is to insert a series of spaces into the natural element which is used for people to communicate with nature. An open space is inserted into the centre of three building blocks for people to communicate with each other. Finally, a semi-transparent canopy with PV panels is built above the building to protect it from the nature like rainfall, overheating from sunlight. Meanwhile the canopy can also provide renewable energy for the project.

06 Tom Hollidge - Broomhill Brewery, Sheffield
Broomhill Brewery integrates the industrial and creative process of brewing beer into the landscape of Broomhill, engaging the Broomhill community in the making and enjoyment of beer. The project explores the making of beer as an example of sustainable production, along with an enterprise that nearby residents can engage with. It utilizes local resources in a sustainable manner (such as water for brewing) and provides a point of connectivity for the varying population of Broomhill. The elements and buildings of creating beer are accommodated throughout Broomhill, linked by an uncovered historic watercourse.

07 Jiaxiu Wei - Energy Learning Centre in Sheffield and Environment Learning Centre in Pont du Gard
The two projects are located in totally different climates. My design mainly considered the climate and served the population to choose the local and low impact material to fit different situations. Both projects have been tested in sunlight, thermal performance, considered potentiality to use the renewable energy and reduce maximally the energy use. Finally I calculated the embodied CO₂ to evaluate the effects of the projects on the environment and climate.

08 Mingche Chen - Energy Center and Gazebo for Exploring Tourists
The purpose of the project is to design an Energy Learning Centre and Gazebo for the knowledge of exploring tourists. Also the building will be a Small Energy Station. The proposed users are the seasonal tourists, and this centre will mainly open in the summer. Focus on the special warm climate and wind environment of the location I chose, materials, architecture from and shading devices are carefully considered to deal with these problems.

09 Xiao Cui - Energy Education Centre
Pertaining to architecture, the combination of building and natural is always be the first and most essential point for me. Because of the attachment relationship between these two items, it make us constantly thinking about the most suitable ways to minimum the negative influence to nature from artificial buildings. Personally speaking, the meaning of architecture is that users can feel unique atmosphere of each space taken by surrounding nature when walking in the building.

10 Shanshan Xue - Energy Center at the Pont du Gard
The function of my design focus on visitor to have a rest or understand local information, which located in Nime of France near the Pont du Gard bridge with high terrain through the woods. The aim of design is use local materials and sustainable technology to build up. My design used PV solar panels to top roof with skylight and green roof on lower roof to achieved sustainable environment. In addition, the external façade and internal cladding material used cork tree from nearby.

11 Luz Rodriguez Escobar - Environmental Learning Centre in Crookes Valley, UK
This design project for BreathABLE studio is an Environmental Learning Centre located in Crookes Valley Park, a public space belonging to the Broomhill area in Sheffield, UK. Its function is to teach its users (children, young and old people) about low impact materials and suitable renewable energy strategies for a temperate climate. The project consists of 10 buildings, each one built with a different low impact material and building technique. Although all of the buildings are internally different, they share renewable energy strategies and passive design interventions. Selected strategies in the project are: wind turbines (renewable electricity), ground heat pumps (renewable heat), rain harvesting (flush toilets and irrigation), shading devices (passive design) and low impact materials selection (materials: straw, timber, hemp, adobe and stone).
Minmin Li - Energy Center at the Pont du Gard
Water stored in the tank that is buried underground is rainwater from the roof and supported by the local water company. When the system works, water is pumped to the roof through a pipe, then because of the gravitational potential energy, water falls down to the ground to be collected by a water channel. At last, it goes back to tank and starts a new cycle. In addition to stop the rubbish plugging up the pipe, different sizes of stones are added in the tank. Visitors can go up to the roof which is 1200mm above the roof to watch how the system works, but they could not get too close to the water or touch the water because it will be polluted by human activities and it is for education but not for leisure. Due to the human activities, the indoor temperature around ground will get higher and the hot air will rise. In addition, with the help of water roof, the air is cooled down and the cold air will drop. So the indoor temperature will stay at a good level without the help of air conditioning.

Rui Huang - Energy and Environmental Learning Centre
The memory box shows my memory of Pont du Gard. I separated my memory into several different layers: the river in front the hill, the stones near the site, the plants including trees, grass and so on, the bridge which is the landmark of this area, the hill, and the sky. These layers are all the elements in my Energy and Environmental Learning Centre Design.

Cheng Ke - Environmental Visitor Centre at the Pont du Gard
My design project is located at Pont du Gard in the South of France and focuses upon Climate Change Adaptation. The purpose of this project is to design an environmental visitor centre within the Pont du Gard area. This centre will be a unique site and scenic spot, and it will provide services to educate and support the whole area to live more healthy and environmentally friendly. At the same time, considering the future impacts of climate change, I will adjust my design with simulation and maintenance strategies accordingly.

Yarely Aguilar - Element Pavilions
“Palimpsest” refers to the intention of letting ancient buildings inform the new built environment about the history of the site. This was taken into consideration as a design concept in order to conserve the natural and historical scenery of the site. Due to this, the visitor centre for the Pont Du Gard was developed as four human-scale pavilions to be discovered throughout the walk around the site as little built structures hidden in the Mediterranean environment of “The Garrigue”.

Tiancheng Lin - Energy and Environmental Learning Centre
The internal design aims to let people experience three different types of environment driven by industry, harmony and terror. Firstly in the underground floor, the theme of this floor is “modern industry”, people have a feeling of being totally surrounded by concrete and artificial lighting in this space, which represents the modern elements in our daily life. When it comes to the ground floor it is designed with a lot of traditional Japanese elements and installed with many passive designs, to show the right relationship between human and nature. The first floor has a greenhouse and a garden, where people could enjoy the beautiful landscape and relax themselves in the hug of nature.

Lingchao Tang - Study of use of horizontal shading to minimise solar penetration on Summer Solstice
Project 1 and Project 2 of Studio Breathable are to design two energy visitor centres for different sites in Sheffield, UK and Pont du Gard, France respectively. Project 1 in Sheffield mainly focused on the potential utilisation of renewable energy and daylight factor tests of each room of the building. Project 2 in Pont du Gard paid more attention to passive cooling brought by heavy thermal mass and the effect of horizontal shading board and overhang of first floor.
Studio Future Pasts

The studio has been concerned with continuity and change, and has addressed the material and cultural value in what has been inherited from the past to inform decisions on what to take forward and what to leave behind.

The primary aim of the studio has been the development of meaningful architectural interventions which arise from a deep understanding and critical consideration of place, recognising the challenges and potential in the re-use and adaptation of existing built conditions. Research relating to past and present has informed hierarchies of values and a variety of approaches to the physical and cultural heritage of the site, whilst propositional testing and reflection has acted as a vehicle to further understand the site and explore creative possibilities for its future.

The studio focused on the area of Castle Market in Sheffield, a mostly redundant assemblage of buildings suspended between the past and future. Collectively we explored the rich seen and unseen layers of history embedded in the market site and its Castlegate context, from remnants of the medieval castle, the abandoned Old Town Hall and hidden Victorian culvert of the River Sheaf, to the twentieth century market buildings which, until their demolition this year, covered the majority of the site.

Projects draw upon this understanding of place to consider a wide range of responses to the process of change (exposing, retaining, demolishing, re-using, adapting and intervening) and seek to add a contemporary layer of archaeology supporting new or continued social, cultural and economic activities, whilst exploring an architectural exchange between old and new.

01 Tom Walker - Politics, Process and Place
This project considers the architectural implications of displacing ritual and tradition, by exploring the possibility of reforming and relocating the House of Lords on the site of Sheffield Castle and the more recent Castle Market. The thesis challenges the notion that our most important national decisions are made in an antiquated 19th century space and instead proposes a new language of parliamentary architecture. The design developed through an analysis of existing traditions in the House of Lords as well as responding to Castlegate's layers of urban history and tradition of governance. The project contributes to discourse surrounding the regeneration of Castlegate by proposing a radical adaptive reuse scheme for the vacant Castle Market building. The proposal also creates a discussion about the space from which we are governed, challenging the stagnation and disillusionment with the Westminster system of power and questioning the increasing cultural and economic dominance of London.

02 Robert Wilson - Crafting Places, The Heritage Crafts College
This thesis explores the idea that conservation is a process of crafting places for the future using traditional techniques and skills, and is not the preservation of static artefacts that recreate a version of the past. The project proposes a Heritage Crafts College to promote traditional crafts to the public and provide accredited training courses for building professionals. The architecture engages with the tactility of materials and the processes by which they are formed, expressing crafted junctions between new and old elements, including Castle Market's 1960s Brutalist tower that exhibits crafted patch repairs. Craft is also revealed through excavating and exposing layers of heritage, including the buried castle ruins and culverted river Sheaf, in order to reveal the narrative of processes that has shaped the history of the site. The natural topography facilitates public viewing of craft processes from walkways above whilst different textures within the gallery space represent the crafting of materials over time from rough-hewn finishes that gradually become more refined and decorative as worked by the craftsman's hand.

03 Xuan (Vanessa) Zhou - Castlegate Historic Park
This project focuses on two strategies (route and public space) in order to give Castlegate a new life following the demolition of its market buildings. The re-emphasis of an important historical route will guide people to find a new focus in a public park on the site of Sheffield's medieval castle, with a new Castle Museum replacing the old market to promote activity and events within in the park. The new public space will act as a catalyst for the development of the wider Castlegate area.
The University of Sheffield School of Architecture

The project exploits a previously little known layer of Sheffield’s heritage – its medieval castle. The proposed building sits alongside a newly created landscaped park that exposes the castle ruins and former moat, whilst enlivening the adjacent riverside. A main gallery space to exhibit archaeological artefacts is supplemented by a café, shop and educational spaces. Materials from the site are utilised in the building’s construction, with artefacts contained by a new rammed earth exhibition wall and an existing 1960s pick-hammered concrete retaining wall. A linear and horizontal design concept relates to the stratified archaeology of the site and the museum connects the different levels of riverside and park.

Valandis Kallis - The Market of Events
The Market of Events will be a publicly accessible piece of infrastructure to support the staging of cultural events within the city. The proposal comprises an archive of events and fairs together with workshop spaces that will be used to make and curate contemporary events and celebrations, including the building of theatrical props and scenery. The project creates a new cultural public space in the historic location of Sheffield’s castle ruins and former Castle Market, building upon the tradition of gatherings and events upon the site. The Market of Events will be a cultural destination reinterpreting the idea of events and fairs, developing a contemporary approach to the way events and civic celebrations are held, and enhancing the vibrancy of Castlegate and its connectivity within Sheffield’s city centre.

Zhefan (Geoff) Feng - Unpeeling Castlegate
This project aims to harness the educational, cultural and inspirational potential of Castlegate, building upon its complex history from the Castle to the markets and the Old Town Hall. The proposal attempts to combine these heritage assets through the opening up of the historic castle ruins and the establishment of a new public park.

Le Qiu - The Future of Castlegate
Since market trade was relocated to the Moor Market in 2013, Castlegate has been deprived of its main economic driver and one of its most important characteristics. Alongside this, future council plans focus on the excavation of Sheffield Castle and ignore the heritage of retail which began on the site in around 1297. This project analyses the site from cultural, physical and economic perspectives and proposes an alternative business case, along with urban strategies and design guidance, to define a new vision for Castlegate which respects the tradition of its historic markets.

Alex Gilbert - A Stronghold for the People of Sheffield
The regeneration strategy acknowledges the significance of Sheffield’s castle ruins and places them, quite literally, central to its agenda. The proposal is to use the remaining archaeology as a physical framework to guide a future development, in the form of a Stronghold, with cultural values that are intrinsically linked to its social history. The proposal is to create a business enterprise hub focused on nurturing the creative talents of Sheffield with a strong community and educational agenda. The Stronghold will facilitate a reinterpretation of the site through its strategic and commanding riverside presence.

Benjamin T(osland) - Weaving Urban Communities
This project seeks to regenerate Sheffield’s most historical route as a viable way of accessing the city centre from places that are being increasingly alienated. The areas in question have both a rich cultural and social identity along with buildings of architectural and historical significance. There are a series of ‘voids’ along the way into the city that this project addresses in order to re-centralise these forgotten communities. Through repairing these voids and utilising the social and architectural value of this route, this area will once again become a social hub and somewhere that people are proud to live.

Ilan Bitterman Itzcovich - Castlegate Plaza and Interchange
This proposal aims to set out a strategy to link some of the isolated areas of Sheffield to the proposed ‘gold route’. The project aims to resolve the conflicting transportation juncture between the streets of Castlegate and Waingate by creating a pedestrian plaza whilst pushing the buses underground, using the old town hall and basement of the Castle Market tower as an interchange station. This will provide a friendly solution to separate pedestrians from the traffic, as a reinterpretation and development of the strategies developed in the 60s on the site.

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Since market trade was relocated to the Moor Market in 2013, Castlegate has been deprived of its main economic driver and one of its most important characteristics. Alongside this, future council plans focus on the excavation of Sheffield Castle and ignore the heritage of retail which began on the site in around 1297. This project analyses the site from cultural, physical and economic perspectives and proposes an alternative business case, along with urban strategies and design guidance, to define a new vision for Castlegate which respects the tradition of its historic markets.
Sophia Kelleher - Memory and Place: Dementia in the City

Your memories are an integral part of your identity, which is why dementia is a terrifying prospect for a growing number of people. As the number of people with the disease increases, the question of adequate and sensitive treatment becomes more and more pressing. This thesis looks at a selection of questions on how a considered architectural approach to design is a vital part of the way society can help people live well with dementia. How can we adapt our urban environments in order to allow dementia sufferers to live well in their city? Can dementia sensitive design benefit more people than just those with dementia? Can it even be used to help regenerate a neglected place? This thesis proposes a symbiotic programme with two main functions. One is a dementia care facility offering residential, respite and convalescent care for people with all stages of dementia; the other is Sheffield Castle Museum, a new facility which offers a cultural programme of exhibitions and events for all, but with a specific focus on therapeutic care for dementia.

Zongjie Kou - PLACE Sheffield

Preliminary research and observation identified ‘date joints’ which reveal the story of successive expansion of the Old Town Hall through its rich material characteristics. Taking this idea forward, the project is an Urban Room which debates and responds to ongoing urban change, representing a new form of democracy and asserting a renewed civic presence within the city. The scheme houses a branch of the planning department within the refurbished Old Town Hall, extended once again to form the Urban Room which in turn defines a new civic square. Growing with time, the project aims to become a place where people can consult and learn about the evolution of Sheffield.

Sean Pee - CastleHill Hub

CastleHill Hub is a place for people with an imagination to realise their ideas and bring products to the market. The hub consists of small scale manufacturing spaces for traditional and emerging technologies, prototyping facilities, design studios, marketing support spaces and a place for exhibiting new products. The project responds to the multiple layers of the former Castle Market site by adapting the traditional Mester courtyard typology to frame the known Sheffield Castle ruins, re-instating former street patterns, establishing a creative focus at the location of the site’s historical steel furnace, and engaging with the de-culverted River Sheaf. The project intends to form a new model of architecture in bridging traditional and emerging technologies whilst bringing small scale manufacturing back into the city centre to facilitate engagement with the wider public.
Studio Future Works

The Future Works studio is about energy and making. It is based in the factories of the Derwent Valley, the English Midlands and South Yorkshire region. This area has a good claim to being the birthplace of both the industrial revolution and the modern factory system, but also carries a history of proto-industries tied to the physical geography of the region. Our interest has been in how the region can continue to be a thriving hub of making in what promises to be a carbon limited and resource constrained future.

Future Works is linked to the Stories of Change interdisciplinary research project funded by the AHRC under the Connected Communities programme (April 2014–March 2017). We have worked closely with the project’s partners: communities of employers, employees, apprentices and volunteers at the different factory sites as well as academics, artists and designers, educators and museum curators.

Through mapping and scenario making the studio have developed an understanding of the complex set of interactions across a number of factory sites in the region, including the ‘first factory’ – the Silk Mill in Derby, now celebrating a ‘City of Makers’; a ‘present factory’ – John Smedley Ltd, representing continuous production at Lea Mills since 1784; and the ‘future factory’ – Advanced Manufacturing Research Centre (AMRC) near Rotherham, which has been leading the training of apprentices in the region. Interventions in the different factory sites have ranged across temporal and spatial scales and have related to international and regional contexts. The studio’s work has documented past and present ingenuity around energy use and making, and has developed new ideas about future making, future factories and alternative energy futures.

00 Collaborative mapping

01 Juste Paulauskate - G Factory

The proposed factory building is intended to add onto 3 already existing Gripple buildings as the company is planning to expand and double in size. The new factory is intended to be a model for an environmentally responsible factory. It was also designed to bring more social functions too. Rather than being a closed building only for a private use, the semi-opened building allows outside visitors to enjoy a vibrant experience of a manufacturing factory.

02 Olivia Smith - Re-Imagining Cromford Mill

I want to take Arkwright’s first mill at Cromford back to its roots in manufacture, in a way that can utilise the rich opportunities that exist on this site. My scenario builds on the growing ethical reaction against global brands, in favour of distinctive local craft, and I’m suggesting that with this will come a culture of creative thrift. Alongside a brewery, my scheme incorporates a social hub and flexible working spaces for a future of increasingly freelance and remote industry. My proposal fills up the existing volume of one fire damaged block, and supports the collapsing structure from within.

03 Luming Zhang - Darley Abbey Island 2050

The project imagines an alternative future for the city of Derby in 2050 and inspired by Alice in Wonderland where all kinds of real and imaginary creatures mingle. With the increase in flood waters in 2050 the World Heritage site of Darley Abbey, a former mill, becomes an archipelago of islands co-inhabited by ecologically minded humans and other species. Why do fish need ladders? The fish are helped in their migratory journeys upstream and downstream by this architecture of the Derwent River.

04 Chunyang Shi - Floating Factory

The project was stretched through an extreme flooding scenario. As the river level rises, hard engineering defences are no longer sustainable or affordable. Moving the line of defence inland, allowing flooding water to occupy previously protected Derby is the only option. The Floating Factory is raised up, exploiting an inhabitable site for public use. As river levels rise in future decades, the building will be flexible to changing conditions. The Floating Factory a reflection of the damaged part of old Silk Mill, the aim is to reveal the rich heritage, and to forecast the high technology trend. What if the factory could make itself? The production would be used as fabrics of the factory or used collaborating, delivering by containers along River Derwent or to the mainland.
Lucy Tew - Reclaiming the Workhouse
My project proposes a new alternative to the current benefits led system for dealing with unemployment in the UK. I intend to reclaim the word and territory of the workhouse by proposing a modern-day version which will provide work within a textile factory system and housing, but of an alternative business structure where each member will hold shares in the company.

Ke Zhang
What Happens in the future? This is the question our studio is trying to answer in individual ways. Our studio explores the past, present and future of energy choices with field trips and the research.

Jiayi Tian - The new Gripple: SIMPLE LIMITED 2050
With the development of the production, Gripple desperately need an expansion. I’m thinking what will be the role of the new Gripple — SIMPLE LIMITED 2050. Due to my analysis, I believe the new Gripple will mean not only the improvement in the productivity but more communication between workers, more interactive with the public and a more active part to the whole community. In the future, I believe the new Gripple will be a revolution to both manufacture and the community.

Harrison Symmonds - Lea Mill, John Smedley
The project is located at John Smedley in Lea Mills, a 235 year old factory specialising in the production of high end merino wool clothing. The proposals consider how the complex could develop to ensure continuous production, preserve the heritage and maintain a connection to workers and locality. The future masterplan entails a diversification of the existing program, including the opening of a museum, establishing a workers community and a new factory nestled into the existing fabric of the complex.

Yuan Chen - Wind Drives Gripple
Wind power, which is predicted to supply 25% of the global electricity by 2050, will be the main clue in my project. In my scenario for 2050, the Gripple will become a museum, and its manufacturing shop will be transferred to a new base. Its energy will be supplied by a new kind of energy system – Air Wind Generator System. With the help of the scenario, my project's concept is developed. The original Gripple is preserved to become a workshop and a museum. And a newly-built museum is connected directly to the original buildings to exhibit the development history of the air wind generator system.

Wenjie Zhong - Community Centre
The new plan for the site is consisted of two elements which form a balanced and peaceful atmosphere in the site. One is Community centre, a solid stone building with glass walls in some sides of the building. Activities are mainly inside structure, so concerns are given to space deployment, sunlight, ventilation and recycling of existing factory. Another factor related to the building is how to connect the new building to surrounding heritages structurally and emotionally. The other one is the entertainment area which contains three circular playing area in response to the three building units. The whole entertainment area is linked by enjoyable pathways where kids can sit and play with stones obtained from the demolition of the factory. A terrace encloses the area outside, facing the River Derwent, forming a peaceful place for families.

Yuxuan Tan - Manufacturing Community
The development of my scenario is based on two main sectors. At first, various research was done to analyse the feasibility of wide use of 3D printing, and I tried to establish a small-scale manufacturing method form the pre-stage study. Following that, in terms of specific buildings, I also considered how they would respond to the climate change in the future, so a self-supporting community was designed not only for the new manufacturing method but also to shoulder the responsibility to protect our environment.

Armand Agraviador and Alexander Schofield - HYDRO:GENeration
“How could a decentralised energy supply model be architecturally expressed to provide a viable alternative to polarised nationalisation and privatisation paradigms?” In order to explore this potential, the project works in parallel with a real-world community-initiated hydropower scheme, run by bencom IPS ADVyCE in Ambergate, Derbyshire; and a future technologies research body, the AMRC, based outside Sheffield. The project identifies a hypothetical consortium between the two as client, funder and benefactor for the project. The proposed scheme seeks to expand the scope of the real-world hydropower initiative at Ambergate to benefit the community as well as act as a precedent and educational tool to encourage further schemes. The primary manifestation of this is a hydrogen production plant and distribution centre that utilises emerging technologies of sustainable energy storage. In celebration of future technology and the hypothetical affiliation with the AMRC, the project will take an expressive approach to the housing of the operations. The experience of various users and visitors is a significant consideration when benchmarking a new paradigm and so the scheme will feature democratised, intellectually accessible architecture, which complements local historical character and fosters ecological prosperity.

John Dongwon Joong - Gripple Idea Lab
The chosen site and the company is located in the heart of Sheffield steel industrial area, Gripple Ltd. Wire joiners and tensioners and wire rope suspension solution are the main products of the company. Since 1986 Gripple is now the second largest steel wire manufacturer in the world. Growing of the company’s size and their new division will require a new facility that can have workflow between existing factories, and also a big testing site to expand their operations. The proposal deals with expanding Gripple’s in-house research and development department, and their future program.
Alex Farr - The Automation Integration Centre

47% of all jobs are at risk of automation by 2030. Sited in an ongoing residential masterplan, this project critically reacts to the Advanced Manufacturing Research Centre and Enterprise Zones as a policy. To avoid a repeat of the Luddite destruction of machinery born of fear, the automation integration centre proposes a new factory model; one based on integration, education, and enabling the public. Drawing influences from the theatre and the community centre, the proposal reimagines the factory floor as a configurable space for start-up incubation and hands-on workshops and training.

Samuel Atkinson - An Ethnobotanical Landscape

An ethnobotanical research centre will act to crystallise and develop traditional knowledge in the field of medicinal and experimental use of plants. The centre will focus on collecting, cataloguing and exploring historic, cultural and social use of the biospheres natural resources and investigate naturally occurring chemical compounds and their uses both medicinally and bio-technologically. It offers a last frontier of preservation and discovery in the face of runaway climatic change and its profound effects on our world, collecting genetic information and extracting chemical compounds from the taxonomic groups of protozoa, algae, plants, slime moulds and fungi.

Alex Dewick - Hydrological Innovation Centre

With a specific focus on water power, my thesis aims to engender the creation of localised common energy controlled by local people, as opposed to private energy controlled by huge corporations interested primarily in profit. Therefore this thesis project aims to explore the potential of diversifying the UK energy sector with water power, reducing the UK’s dependence on imported fossil fuels and in turn reducing our net greenhouse gas emissions. The founding principles of this thesis are threefold: to engender the creation of localised common energy controlled by local people as opposed to private energy, to reinvigorate the manufacturing heritage of the Derwent Valley providing training and jobs to the area, and to offer a fairer more equal ownership model where benefits are distributed equally and not just to those at the top thus offering a counterpoint to traditional capitalist development where the few benefit from the labour of the many.

Jade Owens - The Future of Advanced Manufacturing and the Housing Sector: Post Fossil Fuels

In response to the studios manufacturing context, this project works in conjunction with the Advanced Manufacturing Research Centre in Catcliffe, Rotherham and the Building Research Establishment to create a factory of the future, specialising in the production of prefabricated homes, and the testing and implementation of advanced prototype technologies such as carbon fibre for structural purposes. The prefabricated homes for workers of the immediate site, showcase the specialisms and research developments at the AMRC whilst also inferring a connection to the political heritage of the former Orgreave colliery site.
Studio (Re)-Activist Architecture

Studio (Re)-activist Architecture has a collective aim to test and reveal alternative developments in Leeds South Bank, which break away from the normality of commercial regeneration by recognising and elevating the diversity of existing local cultures. The studio targets a City in Flux, working from within as a ginger group, with the aim to change the perception of an area’s potential by responding to the needs and wellbeing of future occupants to establish a new community relevance. Initial explorations involved using experiential methodologies which actively engage with the communities in Leeds South Bank, enabling the studio to operate beyond the architectural object, rooting proposals in their site context and creating unpredictable and innovative projects with a strong narrative.

Leeds South Bank is an area of proposed city expansion, which includes the proposed site for the HS2 transport interchange and a city scale park. Currently the South Bank is under-utilised and lacks conventional perceptions of “community”. Through constructing situations and proposing unsolicited temporary propositions around the South Bank the studio reveals the potential of different communities, with the aim to create sustained and legitimised cultures from its residents.

The effects of climate change are embedded within the proposals, both physically and socially, including working with the rising water levels, positively responding to waste management, promoting locally grown and sourced products, analysing ‘inbetween’ spaces and how they can promote sustainable living, whilst ensuring a sense of well-being to enable communities to take a collective responsibility.

Studio Tutors
Simon Baker
Helen Stratford

5th Year Students
Jonathan Day
Sophie Ellis
Tamara Kahn
Yuntong Mu

6th Year Students
Stuart Bell
James Brook
Rory Chisholm
Dominiki Elia
Sean McGee
Charles Palmer
Olivia Radford
Purdita Whitting

MAAD Students
Yixi Cao
Shuyuan Chen
Lei Gao
Kaing Li
Songjiao Li
Lu Lu
Zhiyang Miao
Felicitas Seipel
Ting Shao
Huoqin Tang
Chengnan Xu
Zhiyan Zhang

Studio Collaborators
Assemble Studio
Raumlabor
Media & Art Partnership
Leeds City Council
The Tetley Art Gallery
Jan Gehl Architects
Igloo Developments

00 Map identifying the location of moments, constructed situations and temporary proposals within the studio.

01 Sean McGee - The A61 Service Station
The project is a sauna, gym and learning facilities for an established truck driver community. The project explores how the shared uses of this facility will reveal the cultural and social character of this new city quarter, that the commercial development has failed to address.

02 Olivia Radford - Wanderland
Set within a sanctuary of an urban forest on the former Tetley Brewery site, the Institute of Wellbeing becomes a retreat for the hard working community of Leeds. Taking inspiration from the Idler movement [the maverick] and the NEF’s ‘5 ways to Wellbeing’ manifesto, Wanderland is a place to unwind, relax, socialise, be creative and appreciate nature. Here, the maverick can float away their troubles in the underground pool; channel creative energy in the wood craft workshop; nap in the bird-hide dormitory; or be contemplative in the meditation space, cocooned within the canopy.

02 Oliva Radford - Wanderland
...
03  Ting Shao - The Re-Activation of the River Aire
This project is based around the River Aire focusing on the phenomenon and community along the river, in an attempt to reactivate the river. The river should be a positive asset for the city, but instead the river is hard to access and lacks much needed landscaping. This proposal changes the layout along the river to make it powerful and accessible. The 3-level system proposed has paths for running, platforms for contemplating, lower levels for access to the river, connections to cross the river, and landscaped steps down to the water. The project targets the community along the river including children, young people, artists and homeless people, whilst also benefiting the wider South Bank community.

04  Shuyuan Chen - Playful Leeds
Playful Leeds looks at re-appropriating abandoned buildings and waste areas in an attempt to regenerate them as playgrounds, with the aim to create an urban entertainment system. By reusing buildings and empty spaces, sometimes adding other structures and facilities, these playgrounds can be used in entirely different ways by different people. The multiple function playground will be connected by the “Link Park”, a playful passageway along the road, creating an urban entertainment net. This net could be a great system that produces a playful Leeds.

05  Dominiki Elia - Bank of Possibilities
A social enterprise in Leeds South Bank that partly works under the philosophy of time banking and targets to address the social division and the different needs of two particular user groups, the young homeless and the creative community of Holbeck Urban Village. By giving the opportunity to people of different economic and social backgrounds to interact with each other, there is the possibility for strengthening the existing social network and creating a system of locality-benefit.

06  Huiqin Tang - Urban Green Farm
The aim of this project is to create an environment that attracts people to enjoy eating and growing outside. The project is driven out of need to use local land to produce food and therefore remit current issues with families not being able to provide food. The development is divided into three phases over the next ten years. The first phase, in the year 2015, is the growing garden. The second phase, from 2015 to 2018, includes the education farm. The third phase, from 2018 to 2025, sees the community farm being established. The three farms will work together to produce food and use the river to transform materials and mature vegetables.

07  Jonathan Day - Fish and Chip Farm
This project looks to re-vitalise the river and maximise its potential by creating a new protective productive urban landscape. This comes from challenging the current flood alleviation scheme which mainly looks at placing walls on the waterfront. The scheme looks at an area in Leeds which can use natural forms of flood alleviation to bring back a diverse habitat and create a new waterfront in Leeds. The waterfront uses aquaculture along with a multipurpose fresh water fish farm at the centre of the scheme, using aquaponics to provide a sustainable, fresh, healthy and local alternative to fish and chips.

08  Charles Palmer - Cycle Culture Village
A bicycle oriented urban development for Leeds city centre and a design for a cultural centre for cycling explores how cycling can be built into the urban environment. By re-designing how streets are configured and their relationship with buildings, a new urban strategy and type of building were created in a bid to increase the rate at which cycling is being adopted and the social perception of cycling in Leeds.

09  Purdita Whitting - For Persons of a Nomadic Habit of Life...
The Traveller and Gypsy centre is a collection of permanent facilities, which support existing nomadic communities, whilst encouraging transience among other ethnicities in Leeds. The aim is to do this by creating a hybrid between nomadic and settled living and implementing sustainable strategies, which facilitate integration between the two lifestyles and with it a cultural diversity for the city.

10  Lei Gao - Sensory City
Generally speaking, a street or a building gets a facelift through revitalization or renovation. But sometimes the surface of a city could be regarded as the city’s identity. This project explores how we can feel the city through our sense of touch, when previously we tended to favour urban sights and sounds instead. This project therefore proposes that more time and work should be focused on the senses of touch and hearing to increase participation and interaction in the city.

11  Tamara Kahn - The Dam Island
The Dam Island project challenges the current flood alleviation proposal for Leeds. The scheme celebrates the water resource as opposed to treating it as a threat. It brings together both scientists and the public with the provision of laboratories, bathing facilities and a visitor centre as a series of pavilions along the river. All these functions go alongside the purification of water within a water landscape created for this purpose. Apart from providing an immersive experience within the busy city, the scheme will raise awareness of the risk of drought and promote water optimisation.
This project looks at the culture of independent music in Leeds and facilitates its development in the South Bank to adapt to changes in the independent music industry. By setting up a community of independent musicians, providing more opportunities for performance and interacting with citizens, the intervention of independent music culture is beneficial to activating street life in the South Bank. The proposed development includes three phases which are a small scale intervention (Urban Live Listening Station), a large scale intervention (Meadow Lane Music Festival) and future permanent change (music island and social centre).

Sophie Ellis - The Preservation Tower
The Preservation Tower is a vertical churnery, jam and preserve factory located in the heart of a reclaimed area of urban agricultural plots in the South Bank of Leeds. The project is driven out of the need to be more waste aware as consumers, by building upon the established principles of reduce, re-use and recycle, and challenging the perception of what we consider waste in today's society, through the act of chutney making and other culinary activities.

Zhiyan Zhang - Urban Waste Lab
Urban Waste Lab indicates a waste disposal network for Leeds Southbank, which focuses on two aims: to solve the littering problem and beautify the riverside living environment. In order to make waste become useful again, anaerobically digesting plants are introduced in the project, which turn the waste into valuable energy and contributes to achieving self-funding. Other facilities are added to improve the riverside environment in order to arouse public awareness to care more about the environment.

Yuntong Mu - Social Bridge
This project intends to re-define the relationship between architecture and urban space, testing the boundary between public and private. The scheme is a social hub that offers a destination for the local people. It has the potential to open out to the city and take over the 'inbetween' spaces surrounding the building, whilst forming two routes; along the riverside and back to Leeds city centre. It has the ability to transform from a humble building into several eye-catching stages, with the goal of drawing people into the area and promoting local communities and businesses through events and activities.

James Brook - The Centre of Recreation
This project looks to re-appropriate elements of redundant car infrastructure on Leeds South Bank to create a Centre of Recreation alongside the new city park, in line with the Council's ambition to be the best city in the UK for health and well-being by 2030. The scheme looks at re-activating under-utilised spaces for recreational leisure, offering a range of arts and sports facilities embedded within the new city park that attract people and help to sustainably regenerate the South Bank.

Kai Ling Li - Water Bus
This project proposes a new waterway transport for the public, using the River Aire as an opportunity to make the river a part of citizen's life. The proposal 'Water Bus' utilises some existing docks and adds new platforms along the river, organising a new route with water buses (boats) and related facilities. Its aim is to encourage people to choose the alternative traffic routes on the river and explore and value what the river's bank has to offer.
ASDA Petrol Station
External Sports Pitches
Re-appropriated Petrol Tanks for rainwater
External Changing Rooms

Lido
Stepped Seating Gallery
Exercise Rooms
Showers
Atrium
AQL Offices and Servers

Roof Garden and Opening
Large Group Studio Spaces
Individual Studio Spaces
Wooden Decked Seating over River

This section cuts through the scheme showing the relationship between the Lido and the re-appropriated car park. It shows the level and function changes across the scheme and their relationship to the new city park created as part of the South Bank's redevelopment.
Studio Intergenerational Architecture

The studio investigated how we can evolve appropriate architectural responses for our current and future intergenerational demographic. This included an exploration of environments for play, learning, living, social interaction, healthcare and civic amenity.

A focus on provision at a human, domestic and urban scale varying from the texture of electric blankets and the acoustics of learning environments, to the DIY adaptation of space, reuse and reinvention of existing structures to the far reaching reliability and impact of bus timetables.

Projects explored the inevitable environments which exist for the young and the old and how these might be reimagined and transformed.

Initial research was based on everyday lived experience (through the eyes of “others”) and the potential for these conditions to co-exist. Subsequent explorations revealed how an attention to the intergenerational demographic can materialise at all urban scales and lead to ingenious architectural projects that have an enjoyable and rigorous legacy, with projects situated in Hull working towards a vision for Hull’s Capital of Culture 2017 and beyond.

01 Andrew McKay - The Institute For All Ages

A civic building for traditional and digital practice for people of all ages in Sheffield city centre. This project proposes a unique learning, working, making and exhibition centre dedicated to creative thinking and innovation for children, young people, middle-aged adults and pensioners. The building is designed around a central social street with seven interconnecting halls known as the knowledge, nourishment, digital, social, living, traditional and enterprise halls.

02 Polina Pencheva - St. Andrew’s Dock Assembly

Reconstructing Futures: Hull’s New Civic Contract. Remembrance: Knowledge Exchange: Civic Cooperation. The project looks at the ruinous landscape of the historically significant St. Andrew’s Dock in Hull and proposes a strategic design approach for the wider site whilst focusing on the development of a new building typology - The Assembly, which will give the site a new lease of life in the realm of intergenerational practice and will re-organise its functions and circulation.

03 Mark Cranfield - Hull Film Institute

A Cinema Venue designed to match the changing needs of the city. Taking advantage of the capital of culture 2017 it provides a venue for the festival and utilises the momentum generated to provide long term connection to Hull’s cultural heritage and cultural future.

04 Jie Bi - Humber Point

The project is located in Hull City centre, between two dock areas. The project comprises of 3 parts: a pedestrian bridge, a dock museum and a sunken plaza. These address the road as barrier, the lack of attractive function, and the lack of connection with the water, thereby solving 3 different scales of problem within Hull city, architecture and landscape.

05 Andy Macintosh - A Civic Reintroduction

The project takes a forgotten area of Hull’s city centre, repurposing a number of unused buildings to create a new civic quarter for Hull. The project aims to boost the local economy through new retail units and a sports centre, create a sense of community through a local nursery youth centre and community space and provide new open public spaces and gardens. Amongst this activity is a concealed agenda, providing women involved in sex work sanctuary. A key aim is to provide a platform for this vulnerable group to gradually reintegrate back into society through work, skill training and social programmes.

With special thanks to:
Emma England, RIBA Yorkshire
Mark Hodson, Hodson Design
William Matthews, William Matthews Associates
King Kong Hostel, Rotterdam
Stern Tours
Lucy Greaves - Wellington Street Clubhouse
The thesis project is situated at the heart of Hull’s Fruit Market where a thriving grassroots community currently resides. The project is designed to compliment and cultivate the existing community and to enhance links between the elder residents and younger members through shared skills, knowledge and an appreciation of food. The building: housing, kitchens, workshops, activity rooms, a pantry shop, greenhouses, book exchange, crèche and performance space is situated on either side of Wellington Street - the existing road replaced with allotments. The project challenges the council’s approach to the area’s regeneration and suggests that local resilience is of higher importance than global recognition.

Daniel Stern - Intergenerational Housing Scheme
An attempt to rekindle the ‘3 generation household’ whilst trying to tackle pertinent problems that have developed around the site of West Park - Kingston Upon Hull. The Masterplan proposes better access to the park and stadium whilst providing the city with 150 new Adaptable, Affordable, Accessible houses and over 75 Apartments. The project engages with both the park and local urban fabric to create a more interactive lifestyle for the local communities and visitors.

Junkun Li - ‘Hullness’ Museum
The design project is located in the west district of Hull’s city centre on the currently disused urban green space. The proposal creates a new museum building for the city of Hull, designed to reactivate the historic dock area whilst bringing together multiple generations and increasing Hull’s strong identity.

Zhaoqun Cui - Community
The juxtaposition between contrasting spaces within Hull’s city fabric formed an interesting start-point. The project creates a new community within an urban gap, which responds to the changing conditions in Hull. Responding to increased flood risk and areas of decline the project reinvigorates the local area with a mix of housing and community buildings.

Rong Hu - Construction Centre
As the city of Hull continues to evolve from its historic fishing roots, the project proposes an education centre to teach the necessary knowledge and skills for new construction and to motivate start-ups within this industry.

Harry Wright - The Flood Plan
A new waterfront narrative for Hull. An active waterfront community of floating housing and permeable landscape marks a precedent to living with water. The project readdresses Hull’s relationship to the Humber Estuary to counteract climate change and increased flood risks. ‘The flood plan’ promotes a prefabricated flexible housing solution and increased waterfront employment alongside the reduction of North Sea industry, forming a new purpose and public understanding to the ebb and flow of Hull’s marine environment.
15 Jennifer Clemence - The Buoyancy Shed
The project sits within the context of the Hull seafaring community and is designed to provide a platform for social well-being and cohesion within a listed but disused buoy shed. Permanent exhibition & community theatre space encourage the artistic and transformative expression of individual/community maritime stories, with an urban living room and office space for related charitable agencies alongside. The shed also houses a series of portable, dual use, pods: each providing a pop-up facility to allow narratives from the seafaring community to be told across the city, or, when at the centre, accommodating an interactive theatrical archive of personal/group memory.

16 Rob Young - Crafting an equitable civic experience
The project propositions a cross-programmed civic facility in the centre of Hull. It reacts to an increasingly apparent public provision and management amalgamation, driven by top down reform. The proposal includes a civic hall, city pool, contemporary library and social spaces, commercial units and accommodation. The central aim is to explore the increasing value of encouraging civic affinity during times of austerity, and test ideas of crafting an accessible civic experience through inclusive public provisions and catering for an ageing demographic.

17 Jingwei Zhuang - Civic Connection
The design focuses on the University of Hull and its surrounding community, comprised of student accommodation, office space and residential housing. The proposal creates a stronger connection between the city and University campus through improved public realm and accessibility.

18 Qing Liu - Elderly Housing Within Student Campus
The project takes reference from Hull’s historic past, building on current intergenerational relationships within the city. The design explores the constructive ways of breaking down the man-made communication barriers between two dissimilar groups: youths and seniors. The scheme is a reflection of research which aims to build a complex model that is capable of accommodating the two contrasting life styles.

19 Adam Turnell - Hull’s Urban Agricultural Quarter
The project looks to reinvent the river Hull corridor as a new aquaponic urban agriculture quarter to provide local organic fruit & vegetables for the residents of Hull & an ever increasing national population. The local community will be encouraged to become involved in the scheme through the provision of training & research opportunities within the urban agricultural hub.

20 Bhavina Parmar - Re-imagining Rehabilitation and the Civic Foodbank
A new civic centre that addresses the increasing dependence on food banks as well as temporarily housing and training ex-offenders in order to reduce the rate of re-offending. The project looks to provide immediate housing and training upon release for ex-offenders from HMP Hull. Additionally, the project looks to provide immediate short-term housing and training within the catering industry for ex-offenders with an aim to equip them with the necessary skills in order to enter Hull’s thriving food production industry and reintegrate back into mainstream society.

21 Yuan Zheng - [Re]baking School, “Fork To Field”
The thinking process started with the “Fork”. Based on interviews and observations in the Fruit Market, the project developed into the creation of spaces for recreation and communication using local resources. Using food as a social networking platform it uses the education system to respond to the current intergenerational demographic in Hull city, so one can actively choose their neighbours. Though questioning our understanding of multiple generations in Hull and the local influence of the fruit market on existing culture, can we use strategies of activating building spaces to reorder daily routines and recipes of life?

22 Junbo Yu - Connection
The project focuses on creating strong connections across the proposed site in Hull’s historic fruit market area. 3 key interventions across the site for an intergenerational audience are: a new pedestrian foot bridge, outdoor sports facilities and hanging garden space created within the bridge. The mixed spaces enable combined use and enjoyment connecting both an old and young audience.

23 Field Trip to Rotterdam & Amsterdam
**Interactive Urban Skins**

Interactive Urban Skins are innovative syntheses of digital and physical envelopes, responsive to users and the environment over a range of timescales. In a low carbon era we will speculate on the role and performance of interactive urban skins as the primary environmental mediator. The key themes of the studio are:

**Climate responsive design.** We will test against and design for specific climatic conditions. Designs will be adaptive and interactive to climatic changes and the related cultural responses.

**Re-use and adaptation.** We will rethink the future performance and viability of existing buildings and urban environments against predicted climate change scenarios, proposing interactive adaptation strategies both in terms of fabric and use.

**Iterative environmental design-research.** We will test how continuous and iterative environmental simulation and analysis can be integrated into the design process, propose new models for design and explore emerging roles for designers and architects.

**Digital–analogue workflow.** We will research both digital and analogue workflows and propose new hybrid workflow models that will be tested throughout the year. Single output, multiple output and non-linear workflows will be considered and tested.

**Socio-technological approaches.** We will seek to connect social, economic, environmental and tectonic forces in a generative design process. We will recognize the specificity of urban skins to cultural conditions and seek socially specific technological proposals.

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01 **Alex Johnstone - From industrial histories to cultural use**

Within the context of a former industrial site on the edge of Lake Zurich, currently inhabited by an arts collective, the project proposed a mixed-use building based around a fabric exhibition space. The lower level of the building’s facade is patterned in response to the existing datum levels on the site and their historical and political connotations. A timber frame and pitched roof respond to both environmental concerns and also aim to reintroduce a vernacular roof-scape into the context of the existing buildings.

02 **Alex Trainor - The Energy Gap**

In wake of the Fukushima Daiichi disaster, the Swiss Federal Council decided to phase-out nuclear power on 25 May 2011. The Canton of Lucerne in central Switzerland relies on nuclear energy for 42.6% of its electricity. Current plans to meet this need involve siphoning French and German nuclear/coal power and potentially fracking. This researches an alternative method of energy generation, making use of the 58,900 tonnes of biogenic waste currently incinerated. The questions: ‘how can energy generation be integrated into and urban area?’ and ‘how can it be visible and engaging?’ are tested by placing a food waste plant in the centre of picture postcard Lucerne.

03 **Ben Craven - Zurich (Wind Energy Harvesting) Transport Hub**

The proposal was to create a Sustainable Transport Hub to promote the use of water taxis to connect the outlying areas of Zurich. The Hub would become a destination as well as route, creating public plazas in the center of the raised walkways. Wind energy as an alternative to fossil fuels, is plentiful, renewable, widely distributed, clean and produces no greenhouse gas emissions during operation. I investigated how my facade could interact with the wind to produce enough energy to power the building. The facade harvests wind through the use of fins that wrap around the building.

04 **Xiaoxiang Li - Reuss Lens**

The project Reuss Lens was located Lucerne, Switzerland. It is lightweight museum building with multiple functions. It aims to replace the needle dam and make building itself become a part of the hydropower station. Meanwhile, it also provides a sightseeing platform for visitors. The conceptual mass of the building which comes from the Reuss River through folding. The Reuss Lens is only one right angle building inside an irregular mass.
Facing an increase in the number of students, the University of Sheffield master plan considers a new building to meet the future space requirements in this plot, where 4 existing buildings are located. The project's aim is to offer an alternative to the current master plan strategy, which consists in demolishing the whole site. This proposal aspires to re-invent the plot by evolving the 4 key buildings and therefore, follow an identity-keeping approach to the re-born of the area, facing the future as a metamorphosis of the past. This evolution will take place by extruding the existing buildings' layout. As a result, the final concept is a combination of towers of different heights. This alternative project is also an opportunity for the university to take a lead in the development of sustainable high rise buildings designed in timber, demonstrating an awareness in climate change issues.

Elena Constanti - 'Layering' Sustainability
The project is based in Zurich, in Switzerland, next to the 'Rote Fabrik', a mixed used building. The architectural proposal sets in motion sustainable strategies in three layers. At the ground floor, a landscape is created in order to protect from winds and provide a playground for the children with well lighted small areas. On the first floor, small glazed spaces are attached on the artists’ workspaces and the cafeteria in order to be used as conservatories. In winter the deciduous trees let the sun to heat the space, whereas during summer their leaves cool the air. The building is opened with many openings on the floor and roof to allow trees pass through them and become part of the building. In combination with the glazed panels on parts of the roof, the air is heated when it enters the space and the heat gained is transferred in the interior space.

Maria Henshall - Active Workspace at Goodwin
This proposal explored greenhouse typologies as an approach to retrofit at the Goodwin Sports Centre on the University of Sheffield campus. A new timber structure spans over and beyond the existing building fabric, creating new spaces between the old and new structures. By developing an architectural language with a strong relationship between indoor and outdoor, the design aims to re-establish a connection between the Goodwin site and the adjacent Crookes Valley Park. The new building brings together places for physical activity, study and social interaction.

Benjamin Hooper - No free rides: A Palace of quiet subversion
The Remodelling and intensification of a West Zurich tram depot. No free rides responds to Zurich’s history of regeneration through grassroots descent and subversion, to propose a scenario where the excesses of gentrification have pushed marginalised communities to take over the cities public transport network. This unassuming depot becomes a palace of subversion as provocateurs and creative disruptors repurpose the cities trams to take art, theatre and ideas away from the city centre and back to the people.
The site of design project lies in Switzerland, which will develop a greater understanding of the possibilities of climate change. The site of design project lies in Switzerland that is a different climate zone compared with England, in which the target building “Seebad Lucerne” has been chosen to make a supposed redevelopment in the future. Actually, this seaside resort has been renovated several times over the past century from 1900 to 2012, in which the traditions of regeneration, reservation and innovation has long been a staple. In this context, changing everything thoroughly is unpractical and disruptive. Therefore the idea of reconstruction of “Seebad Lucerne” is based on two aspect. One is to optimise building’s layout on a small scale and add the new function innovatively, which is a redevelopment in architectural design field. Another one is to focus on building performances in terms of sustainable development.

This project is based on the IUS, Interactive Urban Skin studio which will develop a greater understanding of the possibilities of climate change. The site of design project lies in Switzerland that is a different climate zone compared with England, in which the target building “Seebad Lucerne” has been chosen to make a supposed redevelopment in the future. Actually, this seaside resort has been renovated several times over the past century from 1900 to 2012, in which the traditions of regeneration, reservation and innovation has long been a staple. In this context, changing everything thoroughly is unpractical and disruptive. Therefore the idea of reconstruction of “Seebad Lucerne” is based on two aspect. One is to optimise building’s layout on a small scale and add the new function innovatively, which is a redevelopment in architectural design field. Another one is to focus on building performances in terms of sustainable development.

The furry façade was shaped as a solar shading system, aiming to reflect the site context and reduce the CO2 emissions of the buildings.

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Studio in Residence

This studio works between the disciplines of art and architecture, partnering with external community and arts organisations to generate ambitious and relevant design proposals for local situations, with global implications. We use ‘live’ techniques from art practice and performance to create intimate bonds between designer, community and site. We ask critical questions about place, community, identity and the role of the architect.

The studio demonstrates the cultural value of architecture – both in terms of the quality of the design proposals produced and also through the effects of the processes of design on the people and organisations we work with. We evolve designs, enabling them to emerge through an iterative process of dialogue, debate and play with local residents, businesses and creative practitioners.

This year we partnered with Ruskin-in-Sheffield, an arts programme celebrating the work of John Ruskin, a hugely influential Victorian artist, thinker, writer and social reformer who had a strong connection to Sheffield. We have explored the contemporary relevance of Ruskin’s theories of art, craft, society and nature to imagine sustainable, environmental and economic futures. Ruskin left Sheffield a valuable legacy through his work with the craftsmen and artists of the city. We have formed a similar intimate relationship with Sheffield, working actively ‘in-residence’ in Castlegate – a part of the city centre undergoing drastic change. Building on the work of previous SSoA projects, ReMake Castlegate and the Castle Market Live Project, we have held participatory events, performances and exhibitions, in collaboration with the local community; artists and policy-makers. Projects range from contemporary solutions to speculative visions of the future, connecting urban strategies, temporary installations, complex buildings and remodelled city blocks.

### Studio Tutors
- Carolyn Butterworth
- Ellen Page

### 5th Year Students
- Karin Andreasson
- Toby Buckmaster
- Rebecca Goodson
- Sita Jobanputra
- William Monaghan
- Kaia Sæbø

### 6th Year Students
- Connor Cunningham
- David Graham
- Emma James
- Niamh Lincoln
- Akinetunde Lisk-Carew
- Matthew Pearson

### Studio Collaborators
- Yorkshire Artspace
- Ruskin in Sheffield
- The Guild of St George
- Poly-Technic
- Ian Trowell
- Henrik Littlewood
- Stephen Walker
- Carole Latham
- Friends of the old Town Hall
- FrammentiLab

### MAAD Students
- Bo Gao
- Yu Guo
- Xiao Hu
- Bahou Li
- Shaohua Qin
- Huayang Sun
- Yue Wang
- Fan Yang
- Xue Zhang

### Studio Authors
- Bin Zhao

#### 01
- **Rebecca Goodson - Wicker Pharmacy Wetlands**

The Wicker Pharmacy, an independent family business of 50 years, acts a case study to explore the concept of thresholds. The project aims to protect this community asset and to regenerate the Wicker area by introducing flood mitigation strategies with a design approach that encompass Venetian ideals. Border conditions between solid and liquid, dynamic and static, and nature and the built environment have been explored at an urban scale in the design of a new wetlands park. The pharmacy building embraces a hybrid approach of control, resistance and resilience defined by material choices which sculpt the flow of water through the building.

#### 02
- **Sita Jobanputra - Curating the Ruin**

The project highlights the significance of Castle Market as a pioneering architectural and social experiment within the market typology, and elevates the Castle Market buildings to the level of a historic ruin. The site is allowed to be re-wilded through the careful reintroduction of weeds, plant and trees, chosen not only for their aesthetic beauty and richness but also for their constructive capabilities to accelerate the ruination of Castle Market. The project recognises the importance of re-greening pockets of city in otherwise densely urban areas devoid of nature with a view to environmental resilience and absorbing climatic fluctuations.

#### 03
- **William Monaghan - The Fragments: The Lightest of Touches**

Fragments are select revealings of a potential future architecture. As anchors for the imagination they cast questions. By the lightest of touches, the fragments endeavour to catalyse engagement for future development. On the surface of the remnant slab of Castle Markets dot fragments of a future architecture. As the ruins below, the fragments sit in momentary isolation but belong to the collective whole. Sitting within the temporary urban park, the fragments seek to influence what the future may hold.

#### 04
- **Karin Andreasson - Memories of Movement**

This is a project that takes place in a future past, reflecting upon a once young girl’s memories of her years at Sheffield Dance Academy. Through the making of short animations a narrative was born that fed the design of the school. At the same time there was a constant aim of creating a project with its roots deeply dug in reality. Through research I found that creating a secondary school with a sixth form and a dance speciality at the site of the now destroyed Castle Market is strongly suitable. Video content at: https://vimeo.com/user37005231
Kelly-Marie Rogers - The Guild of Castlegate
This thesis investigates craft as a methodology for city making and design; exploring the power of craft to engage and empower. Using a craft perspective the project creates a new governance of city making. That sees agency of an area in the hands of its people. A taxonomy of thresholds explored how different users interact across the site.

Connor Cunningham - Mixed Use, Castlegate
An assessment of the term ‘mixed use’ and its implications for planning and regeneration policy. This proposal for a new city block in Sheffield aims to develop a new sustainable and design driven definition of ‘mixed use’. Drawing on research which emphasises hybridity and disseminating community my project aims for an open and nuanced design which has a greater civic influence and ownership. The work involves the repair and reuse of the historic Castle House a listed 1960’s co-operative department store.

Akinzunde Lisk-Carew - Once upon a Castle
Underneath the soil of Castle Market lies the remains of Sheffield castle, a motte and bailey ruin slowly losing its place in history. Today the market building is under demolition and is undergoing major change. The project proposes a visitors centre in the current Castle Market site that initially functions as an archeological excavation to develop into a visiting research centre for the curation of new artefacts. This is a six year project that spans from 2015 - 2021 intending to create a future gateway into Sheffield.

David Graham - Memorialising Buildings: The Ruskin Collection in the Old Town Hall
A proposal for a new museum displaying an assortment of objects from Sheffield’s various collections (both private and public), anchored by the Ruskin Collection, and appropriating Sheffield’s redundant Old Town Hall as an exhibit. A concrete extension to the nineteenth-century building provides facilities for the curation and preparation of artefacts and feeds services into galleries located in the existing dilapidated interiors.

Nabihah Zainol Abidin - The Theatre of Remembrance
The theatre looks into the imaginative reconstruction of memories and transforms them into performance art. The theatre, located at the city’s boundary, allows the exploration of people’s stories through 3 main spaces. A place of remembrance that is embedded and flooded by the river; a storytelling centre that allows exchange of memories and a performing arts theatre, a medium for the community to express their memories.

Toby Buckmaster - The Artists Cooperative
An alternative proposal to the Council’s Castle Market masterplan, the project has developed a greater focus on Sheffield’s small businesses and creative industries providing a space for them in the heart of Sheffield. With the Artists Cooperative at the centre of the proposal it provides open studio space, gallery shop and market breaking down the threshold between the artists and the public creating a more dynamic experience.

Niamh Lincoln - Nursery Street - Reconfiguring Margin
The project situates itself in today’s hostile political climate. It looks at what the social repercussions of heightened hostility could be upon marginalised communities in Wicker, Castlegate and Burngreave by establishing a community-initiated scheme, which seeks to unify existing grass roots neighbourhood resources into one programme. As such it constitutes an alternative civic hub/structure driven from a Wicker-Castlegate-Burngreave Trust. Can working at the edge of communities establish a zone of exchange, which in turn encourages broader interaction? Can the establishment of joint platforms lend marginalised communities greater weight for carrying out their objectives?

Emma James - Smith + Sanctum
Smith + Sanctum is a purpose built, mixed-use facility for Roundabout (a local homeless charity), which offers support and preventative spaces for young people. The proposal develops health and well being with a focus on making, as a form of therapy and enterprise. A taxonomy of thresholds explored how different users interact across the site.

Matthew Pearson - Heart of the Machine
Castleworks is a City Centre vocational college developed as a multi-discipline Arts and Technical training centre based on the site of Castle Market. Designed as a ‘Theatre of Learning’ the building aims to facilitate a learning method based around direct experience, understanding as a result of practical experimentation, and to promote innovation by fostering both formal and informal collaboration between the different disciplines. The main market building, a space used throughout its life as a place for the community to meet, helps to recapture the sense of vitality, of community ownership and import to the life of the city of the original markets.

Akintunde Lisk-Carew - Once upon a Castle
Underneath the soil of Castle Market lies the remains of Sheffield castle, a motte and bailey ruin slowly losing its place in history. Today the market building is under demolition and is undergoing major change. The project proposes a visitors centre in the current Castle Market site that initially functions as an archeological excavation to develop into a visiting research centre for the curation of new artefacts. This is a six year project that spans from 2015 - 2021 intending to create a future gateway into Sheffield.
Fan Yang
Based on the initial observation of the site, I found a contemporary roof garden can immediately add value to a city property and my theme of the Para-site project was a pallet roof terrace. The combination of low-cost materials, interactive installations and green plants transforms this environment and gives visitors and young people a chilled atmosphere with live music and outdoor film screenings. This proposal seeks to offers a relaxed atmosphere with sweeping views of the site's change and the urban landscape in Sheffield's city centre.

Xiao Hu - Adaption
If given a time machine and travelling back billions of years, to see how organisms were formed on earth, we can discover how organisms survived by adapting to the environment. For example, life was generated in water and when the lake dried out, their cells developed and grew without water and even lived under the ground (Cabrol 2014). Whereas how about the life of four billion years later (right now)? Those “simple organisms” evolved to the creative and intelligent biologic creature – human beings, who change environments and make habitats adapted to their life. In this project the designer produces a building that adapts the surroundings and also adapts to different needs of modern people.

Bizhou Li - Wicker Regeneration
Wicker Arches are the most important structure in the area. It is the heritage of transport history in Sheffield. Wicker Road and the ring road are very important contexts of this museum. It is part of sections of transport. The River Don is located just under the arches. It inspires the shape of the museum to be dynamic. The function of the museum is a catalyst to activate this whole area.

Yue Wang - Be Situated Narrator
Being a situated architect in Castlegate, we work in residence. ‘There is no space without event.’ (Bernard Tschumi). However, Castlegate is a place without events. Therefore, stories by various people are collected through events and creative surveys in order to find out the wealth of the site. A space that ‘takes place’ rather than a static ‘place’ will make sense on this site. The section shows new events that can take place in the Old Town Hall (a listed building on the site).

Bin Zhao - Sheffield Art Zone
I did research about the River Don (from Castlegate to Meadowhall), and finally I focused on a empty factory. I transformed it into an art zone because Sheffield needs a public space for art. The location of the site is great and it can attract people nearby to come here and take action. This is a project which requires the joint participation of artists.

Yu Guo - Interaction in Castlegate
I chose the site exactly where the Castle Market was demolished. Different briefs revealed more and more comprehensive information about Castlegate. Landscaping methodologies have been used to explore ecology, in particular the Rivers Don and Sheaf.

Shaohua Qin
This project proposes to retain Castle Market lift tower. By inserting a box in the tower for art exhibitions, the tower’s function can be regenerated. The process of collecting art craft can be set as a series of art events, and it can engage the public to reuse this space. Later on, the boxes will increase largely. The boxes will be used as small components in a space or a structure. This collective method is used to build connections between architecture and users.

Huayang Sun - Architecture Participation
This project focuses on architectural participation. As a result the final design of my project is an architecture participation centre in which the local residents, architects, artists and some other experts can communicate and share their ideas about architecture design and the future of Sheffield. The main spaces of this architecture centre are the main gallery, workshop, lecture room, outdoor activity square and cafe.

Bo Gao - Border, Space and Time
There is a strong synergy between the vision for Spital Hill and that for the Wicker and the two streets are seen as an axis of regeneration, giving Burngreave and its communities access to, and a share in, City Centre regeneration.

Xue Zhang - Loop City
Taking Sheffield as frontier and testing ground, this theoretical and almost utopian project proposes a centralized city with pattern of intensification. Using the existing organic urban fabric designated with human scale for housing estates, at the same time generating ‘a loop’ building from the Sheffield Inner Ring Road as a main public space including ever possible urban functions. The ‘loop city’ growing up on the Sheffield city infrastructure gathers and attracts people from different social groups back to the urban area with proper density and getting rid of motor vehicles.
Architecture design studio & staff office
Cafe
Outdoor activity square
The Sheffield Castle Ruins
The long-term exhibition space
Bus station
The main gallery
Workshop
Meeting rooms
Lecture room
Shops
Studio Global Praxis

Studio Global Praxis examined future possibilities for civil society in the redevelopment of city centres, exploring trading spaces and practices as a key element for the transformation of the urban streetscape.

Across the UK and beyond, shifts in global socioeconomic forces have been deeply changing the nature of city centres as retail places, as well as in terms of how inner urban areas are used and governed. Today, the financial crisis and public sector austerity leave both the private and public sectors in a precarious position in relation to urban redevelopment, and this opens the possibility for new future imaginations. With these concerns in mind, the Studio examined the competing public, private and civil society interests in city centre redevelopment. In semester one the students worked closely with civic organisations to map the urban orders of city centre sites from three cities with uncertain futures: The new Retail Quarter and Cultural Industries Quarter in Sheffield, Drummond St, West Euston, London threatened by the new HS2 train line and Downtown Cairo, visited on the field trip. In Semester two we proposed alternative activities, spaces, and futures, particularly addressing the potential of civic economies and integrating diverse interests to make new communities and urban places.

We would particularly like to thank Richard Motley from IntegreatPLUS Sheffield, Architecture Sans Frontières and CitizensUK in London; and Omar Nagati and Beth Stryker – CLUSTER (Cairo Lab for Urban Studies, Training, and Environmental Research) who gave the studio the opportunity to keep the work publicly engaged.

Studio Tutors
Teresa Hoskyns
Beatrice De Carli

5th Year Students
Paul Bailey
Robyn Poulson
Suki Sehmbi
Josh Stokes

6th Year Students
Baolong Tuo
Sarah Hussain

MAAD Students
Yumeng Huang
Sai Wai Hui
Wenxi Liao
Shuton Liu
Pellin Ren
Haoyi Zhao

Studio Collaborators
Nishat Awan
Julia Udall
Tony Broomhead

CLLR Jillian Creasey, Green Party
Richard Motley, Managing Director, IntegreatPLUS
Louise White, Sheffield Civic Trust

Stephanie Butcher, University College London - The Bartlett Development Planning Unit
Alexandre Apsan Frediani, University College London - The Bartlett Development Planning Unit
Melissa Kinnear, Architecture Sans Frontières-UK
Sophie Morley, Architecture Sans Frontières -UK
Anthony Powis, muf architecture/art
Camilla Wilkinson, University of Westminster, Faculty of Architecture and the Built Environment
Fr. Paschal Worton, CitizensUK

May al-Ibrashy, MEGAWRA Built Environment Collective
Omar Nagati, CLUSTER (Cairo Lab for Urban Studies,Training, and Environmental Research)
Heba Raouf Ezza, American University of Cairo
Beth Stryker, CLUSTER (Cairo Lab for Urban Studies, Training, and Environmental Research)

01
Cairo Field Trip
The studio field trip saw students and staff travel to Cairo, where a collaboration took place between CLUSTER and the studio work. Here a student presents London Based Project work to the students in Cairo.

02
Live Engagement in Sheffield
A number of live engagements have taken place in Sheffield, where a number of students have been based.

03
Live Engagement in London
Students engage in a project swap between the Bartlett Development Planning Unit, and Westminster School of Architecture in London.

04
Paul Bailey - The Downtown Summit Participatory Budgeting in Cairo
On Friday 13th March, Egypt unveiled plans to build a $66 billion new capital in the desert east of Cairo. The people of Cairo were not consulted. This project offers something different: What if the money to be spent on Capital Cairo was distributed across the 41 existing districts? The creation of an assembly space underneath an existing building in the heart of Downtown Cairo becomes a catalyst intervention as part of a wider urban strategy aimed at long term political reform. Through experimental preservation and a clear reclamation of public space, the people of Downtown have a space to engage in participatory budgeting - a form of direct democracy that allows citizens to deliberate, debate and decide about the allocation of the redistributed Capital Cairo money.

05
Robyn Poulson - Independent Arts Council
The need for an ‘Independent Arts Council’ was established following the seminar ‘Arts as Urban Catalysts’ as an alternative development method in Downtown Cairo. A new internal public space serves as a resilient collaborative environment for artists, urbanists, street vendors, shop keepers and the public as well as others to discuss the sustainable development of Downtown. The Arts Council is located within an existing building, the traditional passageway typology in Downtown is thread throughout the building as an experiential route from the ground floor entrance to the rooftop. The route links a series of spaces such as galleries and seminar rooms which comprise of low cost design interventions to the existing fabric.

01

02

03

04

05
The project lets the car parks, children and youth can also enjoy their lives in the garden and residents could self-manage their public activities. Meanwhile, besides the St Matthew’s Church. During this process, retailers change shopping from John Lewis to outside market and bazaar QUARTER (NRQ) in Sheffield City Centre. The customers could creates a new street to reactive the inside NEW RETAILQuarter (NRQ) in Sheffield City Centre. The scheme is in part a response to the failed regeneration of Sheffield’s New Retail Quarter and aims to propose alternative architectural narratives to create a retail experience that is both more resilient and civically minded.

Xin Ye - A Red Route For the CIQ

This project focuses on public space and public art in the CIQ. Though a series of methods, such as situating and gathering, this project tries to find out and understand the CIQ’s specific DNA about the public space and art. This project established a RED ROUTE to reveal and enhance its DNA to stimulate the creative economy and achieve the regeneration of the CIQ. In this Red route, through establishing signage system, enhancing graffiti art and enlivening negative space, the CIQ could connect back into the city centre, forming its own identity and enhancing its environment.

Yu Liu - Self Made NRQ

The project aims to develop a step by step process that can creates a new street to reactive the inside NEW RETAIL QUARTER (NRQ) in Sheffield City Centre. The customers could change shopping from John Lewis to outside market and bazaar besides the St Matthew’s Church. During this process, retailers and residents could self-manage their public activities. Meanwhile, children and youth can also enjoy their lives in the garden and sports courts. On the other hand, the project lets the car parks maximizing their use both for parking and sport.

Sarah Hussain - Fashion Works

Fashion Works is a facility for craft and digital production of textiles and garments, incorporating retail spaces and a community hub. Based in the Cultural Industries Quarter (CIQ) in Sheffield, it looks to combine traditional crafts skills and new digital methods of production in the fashion industry, looking to build on the past, present and future of the CIQ. The project explores revealing the nature of a site and using its distinct and creative character to enhance, strengthen and form social connections to increase local resilience through local economies. It is a critique of current regeneration strategies and aims to look at how civil society structures can aid regeneration through providing a social space for the community to voice their opinions, share skills, knowledge and ideas, and to engage with their city centres, and how alternate strategies can respond better to the needs and values of local existing communities. The proposal aims to aid regeneration of the underused and derelict spaces in the city centre through its social and material value and encourage community cohesion and engagement with their environment.

Josh Stokes - Re-Imagining the Department Store

This proposal aims to re-imagine and re-interpret the Department Store as a space where individual designers and artisans can design, produce and sell their goods in a collaborative and diverse space that introduces fabrication back in to the heart of Sheffield’s City Centre. The scheme is in part a response to the failed regeneration of Sheffield’s New Retail Quarter and aims to propose alternative architectural narratives to create a retail experience that is both more resilient and civically minded.

Wence Yu - The Sheffield Knowledge Bank

How to define the cultural centre of a city? Is it only about historical heritage, the achievements of the past? Has it been hung high upon our daily life? As for me, a culture centre of a city should never be enclosed or introverted, it should never be laid aside and neglected. It is a space that is rooted from our daily lives, where people from different classes with different contexts can share and exchange their knowledge together. CIQ has got a profound cultural connotation that consists of a variety of skills and knowledge (the universities, manual workshop, artists, crafts and so on). My design project name is the Sheffield Knowledge Bank, which means that all citizens with different culture background could exchange their skills and knowledge in CIQ. Besides, different sectors could exchange their power and interests here.

Suki Sehmbi - The Engine for _______________

The title of this project is intended as a dig at HS2 and the government. We are force fed this rhetoric that HS2 will be “The Engine for Growth”, that HS2 will bring more jobs, will bring more investment and will even rectify the North-South divide. Behind this political jargon, which is always a lie, lurks a mammoth infrastructural project which will change the face of Euston Station and the surrounding area. ‘The Engine For ___’ positions itself as a resident, or local business owner close to Euston Station. HS2 will see the demolition of a huge swathe of the London Borough of Camden. Livelihoods, homes and urban fabric will be destroyed in order to make the journey from Birmingham to London 20 minutes quicker.

Shutong Liu - Reclaim Regeneration

The project explores the idea that local communities could play an important role in city transformation, not only as beneficiaries but also promoters. It aims to provide an extra place – Chalton Street – for local Drummond Street traders that are threatened by HS2 construction in Euston London to carry out their daily activities as vendors and activates underused Chalton Street simultaneously. It encompasses three differed strategies – the public Wi-Fi cloud, hybrid street market as well as the market service centre.

Wence Yu - The Sheffield Knowledge Bank

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13 Shuyuan Gao - From the Street Protector to Space Producer
This project aims at coping with the issues and impacts brought by the HS2 construction programme to Drummond Street, Euston, London. The main purpose of the project is to strengthen community bonds and to help the local residents to preserve their livelihood during the construction period and to find a way to avoid the gentrification process after the construction. The project would be carried out by a 4-step strategy, from preserving the memories of the neighbourhood to making effective use of the existing open spaces, from holding temporary activities like a food festival and street markets, to occupying the pavement to re-appropriate the space with everyday life activities.

14 Sai Wai Hui - A Future of Trading Environment
The background of the project is based on the construction of HS2 in Euston Area. The uncertainty of urban development allows us to think about the possibilities of the future. This project mainly concentrates on how to maintain the cultural diversity and local businesses on Drummond Street during the construction period of HS2 through using sustainable strategies, including pedestrianising the street, building a temporary food court, and promoting green walls. The food court is the main strategy to help local residents maintain their businesses and activate the area of Euston Square Gardens.

15 Yumeng Huang - Anti-Chinatown Cultural Interactive SOVO
My project aims to break the isolation between different cultures in Sheffield, especially amongst international students. Moreover, my design will provide young people with a low-rent space to create their own career and public space for them to communicate and interact with each other. Hence my proposal is a Students Office & Venture Office, (or SOVO, for short).

16 Mei Yincheng - Productive, Interactive and Sharing
This project focuses on Green Spaces of Regent Estate near the Euston Station. Following a lot of problems caused by HS2, the communities have to seek a solution for different kinds of challenges. Based on four types of green space, the original design is conceptual and the project tries to do some specific design. The self-management, self-production and group participation will build relationship between individuals and society. More opportunities will be created through different scales of catalysts.

17 Zhuozhang Li - Across
The project focuses on a gated community called Somers Town in London. It explores how to encourage people to walk out and communicate with each other through crossing the wall between them, including both physical walls and invisible walls (different cultural background, income level, etc.). As trading is a key element in this studio, this project tries to build relations among youth in Somers Town, public sectors and some organisations. Spaces produced by these relations will be achieved by proposals that are divided into two aspects – neighbourhood strategies and key sites.
Studio Activators in Place

Working across the realms of two sites, the studio Activators In Place aims to reflect upon urban histories, radical cultural heritage and current pioneering community engagement programmes within Hulme, Manchester and Sheffield, whilst challenging existing urban strategies and striving to promote new forums of communal empowerment.

The primary themes guiding the studio’s approach concentrate on understanding the range of actors and agencies that shape the built environment, looking at the mechanisms and tactics for engagement at various scales, from macro level decision making and the involvement of citizens in shaping pieces of a city, to the collaborative design of temporary street installations.

The studio investigates how the design of the built environment influences and dictates how people use, feel and act within it. Working with specific user groups, the studio has analysed their varying needs and requirements, looking at how changes to the built environment can shape activity and interaction with their surroundings. Our primary concerns are for ‘People’ and ‘Place’.

The studio projects demonstrate anti-establishment methods and counter-culture strategies to achieve change within the built environment and to advocate an approach of co-produced cities, neighbourhoods and communities. Such projects aim to develop places within cities to act as mechanisms to widen the debate about the future of our places and spaces.

01
Matthew Baker - The Manchester Urban Forestry Centre
Working at a local and a regional level, the project extends Manchester’s urban forest, providing a prototype urban micro forest for Hulme and Moss Side. The resultant infrastructure builds upon a vision set out by Manchester’s Tree Station for a local wood based economy. The facility considers the urban forest a productive landscape with a carpentry workshop and supporting business spaces, whilst inspiring its expansion as a pluralistic urban environment through a public seed library, archive and educational classrooms. The Tree Station, a not-for-profit social enterprise, provides the workshop with sawn timber ensuring a local sourcing strategy in opposition to the UK’s high import culture. The building’s construction reflects this strategy, developing methods of construction that respond to the low grade nature of the timber sourced in and around the city.

02
Tom Bellfield - Imagining Place | Hulme’s Library
This thesis, situated in Hulme, Manchester responds to continued cuts to arts and cultural funding, the closing of libraries and adult education provision within communities, as well as the wider devaluing of arts & culture in society at a policy level through the valuing of STEM over STEAM in education, and reliance on economic measures of cultural value. However, the rights freely to participate in the cultural life of the community (and) to enjoy the arts’ is a human right and right of the child. The thesis therefore asks, ‘What is democratic access to culture? And, what does it look like in Hulme?’ Located on the site of the recently closed Hulme Library and Adult Education Centre, it proposes both be retained, transferred into community ownership and combined with programmes of making, writing and performance that together enable the local community’s imagining of Hulme.

03
Jack Bennett - Memeplex
This project began with the aim of increasing physical, intellectual and sociological access to art in Sheffield; it then developed from specific conditions on site, which were uncovered with a variety of normative methods, but also through intervening directly on site with the creation of a public gallery using copies of pictures in Sheffield’s public collection. Overall, the project aims to facilitate stronger representation of intangible and informal art forms in Sheffield, increase the physical accessibility of Sheffield’s public art collection and artist studios, and position these art forms and processes within Sheffield’s busy retail centre. The building programme comprises expanded facilities for Sheffield’s public art archive, Individual artist studios for artists who want to share their practice with the public and expanded facilities for Dempsey’s nightclub, which already exists on site.
04 Binbin Chen - People and Place
Combining the studio themes of Activators In Place, this project presents the research process of the question “what makes a good place?” By analysing the interactive relationship between people and place in Devonshire Green, intervention proposals suggest a new physical landscape that reactivates interaction amongst people and their urban environment.

05 Jin Dong - Street Space in Fitzwilliam Street
The project “Street Space in Fitzwilliam Street” mainly focuses on the street spaces and street life of Fitzwilliam Street in Devonshire Quarter. By presenting how the physical environment influences people’s activities and behaviour in the streetscape, the positive elements can be refined and transform the urban place. The interactions between pedestrians and residents could also help create a more active street life.

06 Charlotte Eley - Activating the Margin(alised)
Addressing the margins to activate the marginalised. This project explores an alternative masterplan for Cornbrook, which would accommodate the current occupants of the site: the scrap metal yard and the rough sleepers; both of which are marginalised members of society. The success of the proposed alternative masterplan lies in addressing the margins between these existing occupants and future occupants of the new developments. It proposes a series of interventions and design responses for the margins, including a new facade for the scrap metal yard, public WCs and showers, a laundrette and a ‘skipchen’.

07 David Gibson - Democratising The Urban Fabric
This project is situated within a narrative where political responsibilities, control and management of the physical spaces that people inhabit are devolved to the individual wards of Sheffield. The project sets up a precedent of a ‘Landscape and Urban Cooperative’ within Broomhall that can collectively rejuvenate the physical urban realm whilst also acting to re-establish the ward’s social value within the city. A collection of facilities including a ‘Democratic Urban Chamber’ create spaces for devolved political and public service agencies and opportunities to re-educate the local residents in vocational urban intervention skills. The building becomes the ward’s focal point to democratise the physical realm.

08 Emma Graham - The Curators’ Commons
How can collective experience be captured to create a place representative of communal values? The Curators’ Commons challenges typical creation of communal facilities, creating a series of spaces which are curated by and for the community itself. Through researching autoethnographically, I investigated the physical, social and cultural context of Hulme to develop design strategies to activate them. An overgrown edgeland that has been in a state of limbo for over 40 years. My intervention aims to encourage the exploration and acknowledgement of Pomona Island, focusing on issues surrounding accessibility and enjoyment in relation to these ‘forgotten’ spaces. Three pavilions are sculpted to specific landscape conditions; each with a clear response to the surrounding space, the wider environs and an attitude towards the edges of the city. The pavilions follow a story, a progression through the landscape.

09 Jess Haigh - The Collective City Research Centre
The collective city research centre is an experiment in how people can be empowered to act collectively to produce and shape the city from the bottom up. It is a community-led development, a collection of workspaces, homes, and community facilities, which aims to act as a prototype for how the collective city might be produced, and how it might look and work. The scheme acts as a live collaborative research facility which aims to encourage wider engagement in how the city is shaped, enables lessons from the scheme to be carried forward and functions as an instigator of further grassroots projects across Hulme.

10 Samya Kako - The Junction
Exploring a place to foster shared, collective and relational exchanges between the unemployed and the wider community. Set within Hulme, Manchester, The Junction aims to celebrate searching for a job, creating an aspirational environment fostering suitable routes for the individual, whether finding employment, learning new skills, volunteering or providing peer-support. It establishes itself as a pilot scheme for rethinking the job centre as a collaborative approach between the private, public and community; bringing together support and alternative provisions focused towards opportunities. Thus, The Junction proposes a combination of interlinked facilities relating to employment, learning, reflection, community and exchange, within a setting that breaks away from the national institution - the ‘JobCentre Plus’.

11 Cuiyu Li - Activating Street Space and Street Life
The theme of my project is ‘Activating Street Space and Street Life’, which focuses on analysing the physical streets and street life of Wellington Street in Devonshire Quarter. The physical environment has a unique capacity to influence and dictate how we feel and act within it, and the street is also a quintessential social public space. This project aims to find out the reasons why some street spaces lack vitality and proposes appropriate strategies to activate them.

12 Feiyu Long - Opportunity To See
People’s perception of our physical realm is a vital consideration for architectural/urban design. By contesting spatial quality criteria developed by Jan Gehl, this project reinforces the importance of the visual aspect of perception. ‘Opportunity to See’ is the defining point in this project’s methodology. Through testing interventions that promote views within the site, the project clarifies the issues and presents proposals to re-establish the site’s urban potential.

13 Zhaoxin Lu - Interact with People
This project evaluates how people interact with places, further investigations defined positive elements for interaction that urban places can offer. Using the defined tools the proposals aim to reinforce Devonshire Green as a conducive space to attracting people to engage with each other as well as the space they occupy. Key to the project is a set of interventions that playfully alter occupants’ sensory experience, a catalyst for users to engage with each other.

14 Jennifer Macro - Reclaiming Pomona: Uncovering the Indeterminate Wilderness
This project celebrates the unmanaged, unused and unnoticed island that sits quietly between Salford, Trafford and Manchester; An overgrown edgeland that has been in a state of limbo for over 40 years. My intervention aims to encourage the exploration and acknowledgement of Pomona Island, focusing on issues surrounding accessibility and enjoyment in relation to these ‘forgotten’ spaces. Three pavilions are sculpted to specific landscape conditions; each with a clear response to the surrounding space, the wider environs and an attitude towards the edges of the city. The pavilions follow a story, a progression through the landscape.
15  
Frosa Onisiforou - Reviving a Lost Heritage: A New Hippodrome for Hulme
This thesis project explores the role of cultural heritage and performing arts within the community and the re-generation of cultural sites. Set within the context of Hulme, Manchester; the project explores the cultural regeneration of the forgotten Hulme Hippodrome. The project celebrates the cultural realm in the city by nurturing the city's performing heritage and transforming it into a community facility. The project builds on a collaboration between the Young Limited social community centre and the Department of the creative arts of the Manchester Metropolitan University. The building’s programme was developed around two themes; firstly to reveal and celebrate the past and the nature of the place and secondly to create spaces for the two organisations. The building celebrates the city’s heritage through a local archive and exhibition spaces. It will also retain and renovate the existing theatre, and a performing arts school for the local community based on the university’s facilities – including dance, drama, rehearsal studios and recording workshop spaces.

16  
Junning Ren - Cycling City Rebirth Plan
The 'cycling city rebirth plan' in the Devonshire Quarter rejuvenates the vitality of the Sheffield central area through providing a complete cycling friendly infrastructure in conjunction with a clear transport hierarchy system. Ample urban life activities are encouraged when cycling becomes an essential part of city life, enhancing interaction between people, whilst promoting the sustainable development of Sheffield’s urban realm.

17  
Jennika Parmar - Activating Birley Campus: The Timber Tower
The Timber Tower aimed to bring students and local residents together through activating Birley Campus within Hulme, Manchester. Through different explorations and testing alternative methodologies on site, the key focus was creating identity and finding ways of activating the public square regularly throughout different periods of the year. The project explores the uses, materiality, construction and functions of the tower and how this building can aid festivals taking place within Hulme and bring the community together.

18  
Josh Piddock - The Hybrid Forum
The Hybrid Forum is a manifestation of the crowdfunding industry and it's speculated augmentation over the next decade. The project sees the application of crowdfunding to the current troubled issue of housing provision in the UK, and explores the potential opportunities available to consumers that can occur as a result of a shift of power and dynamics between incumbents within the sector. The Hybrid Forum represents an open platform within the built environment for the discussion of housing, and draws from its roots as an exhibitor of technical democracy in order to strengthen the public and to improve the decentralisation and half-failed measures of localism that we have seen in the housing sector over the last few decades.

19  
Tianchang Si - Green Space
This project focuses on creating a pedestrian route combined with a green space system that operates across a wide urban scale in Sheffield city centre. The project investigates possible interventions and redevelopments that utilise green space to guide three main pedestrian routes for the community.

20  
Jing Wang - Significant Historical Urban Features
The main focus in this project is on historical places, all with changing features within the progression of time. The historical buildings on this project’s site are a retained well and post-industrial complexes. These significant spaces lack activity and as a result suffer from poor economic conditions, a lack of social interaction and reduced environmental qualities. So, I want to revitalise the area by addressing four questions: How to make people happy? How to open up buildings? How to activate streets? And how can we use the surroundings more creatively?

21  
Zijia Wang - Life In The Edge
Research in this project concentrated on successful features of a public plaza: attractiveness, comfort, active borders, access, identity, flexible design. With an emphasis on active borders I mainly focused on how to create an active edge. By focusing on Devonshire and Division Street, I found that edge has 6 characters: attractive, interaction, transitional, permeability, transparency, looseness. Using these 6 aspects as tools to research on the two streets, I found that there were a series of spaces that needed to be changed, thus I put out 6 strategies and made proposals to create a sequence of spaces and provide more social activities.

22  
Kat Wong - The Market Place
This project is set on the edge between the two inner city districts, Hulme & Moss Side in South Manchester. The project’s spatial proposition is the Hulme & Moss Side Marketplace, which is a mixed-use social enterprise that comprises: a gleaning hub (to expand the ‘Green Quarter’ identity of the area and as a way of bringing in fresh produce that would otherwise go to waste from local and regional farms), a mixed-scale range of low capital start up live-work and workshop spaces (to accommodate multiple types of users including unemployed entrepreneurs, students, part-time, graduate and professionals wanting to start up a micro-enterprise, training programmes), an inclusive multi-generational learning space (as part of the Moss Side Leisure Centre Library extension) and elderly housing units (to facilitate the need for socially integrated housing for an ageing population). Each of these programmatic elements support and promote inclusivity for those most marginalised within society and strengthens the everyday alternative local economy.

23  
Yuan Xiong - Transurbance + Subculture space
The project mainly focuses on leftover space in an urban context. I first used the methodology of Transurbance to explore Hulme in Manchester and found out the relationship between leftover spaces, negative emotions and physical problems. Then, coming back to Sheffield, I tested the theory and started to develop the local characters-vintage shops in Devonshire Quarter; defining the vintage consumptions as the social phenomenon of subculture and recycle. The design attempts to deal with the emotional problems with leftover spaces. The project is also keen to create a subcultural and recycle space by regenerating the leftover space and underused historical industrial area.
MArch Dissertation

The MArch postgraduate dissertation is a critical written study on an architectural subject chosen by the student and undertaken with expert advice from the staff. It is seen as an opportunity to investigate an aspect of architecture in which the student is interested and would like to explore in more depth. The dissertation may involve original research and contribute to the subject area through reasoning and critical analysis.

Topics usually fall within the following subject range: architectural theory, architectural history, science and technology, structures, management, CAD and the digital realm, landscape architecture, or urban design. It offers students the opportunity to research, organise and produce an extended piece of mostly written work over the course of a year.

Sheffield is one of the few schools of architecture that still offers students the chance to undertake dissertations in both undergraduate and postgraduate degrees. The quality and range of work is remarkable, producing richness, rigour and variety, and demonstrating a wide range of research methodologies, analytical and presentation techniques. This year’s studies included place-based topics such as Connor Cunningham’s ‘Slowed Architecture; Torr Vale Mill’ and Niamh Lincoln’s ‘Berlin: spatial appropriation and a challenging national identity’. Interest in the politics or architecture and participation was well represented, including Jessica Haigh’s study of the complexities of politically engaged users and changes to public space. Calum Shields’ work explored the relationship between the British architecture education system and students’ understanding of the ‘making’ of a building and Xinzhu Zhu explored theories and practise relating to contemporary Ornamental Skins.

Co-ordinators
Stephen Walker
Jian Kang

01 Torr Vale Mill, North elevation 1862
02 Torr Vale Mill, a view of the mill from New Mills Heritage Centre
03 Torr Vale Mill, a view of the mill from Station Road looking South
04 North West corner of the Cotton Mill with original blockwork
05 The location of the Coal Seam and mining industry
Torr Vale Mill, New Mills: A Study

Connor Cunningham

Torr Vale Mill is a complex of mill buildings situated alongside the River Goyt in the town of New Mills. It has remained on this site for over 200 years, spinning and weaving cotton for the majority of these years.

First established by Daniel Stafford in 1790, the Mill took advantage of a substantial rocky outcrop at the bottom of the Torrs Gorge. New Mills is approximately 8 miles south-east from Stockport and 15 miles from Manchester; the Mills of New Mills benefited from this close proximity to these industrial centres. With this benefit, Torr Vale Mill maintained its significance and viability in a time of rapid change and the managed chaos of industry and business. In the years following its initial construction the Mill has grown from a simple mill and warehouse, over time adding larger more efficient mills and incorporating small subsidiary maintenance buildings. It developed rapidly thanks to the advancing technologies in the cotton weaving industry as well as those in construction. It is possible to read and interpret these advancements in the architecture of Torr Vale Mill; the building is a record of the cotton industry in New Mills and as such is a valuable and important building.

Torr Vale Mill has suffered from neglect since (and before) industry left the Mill in the year 2000. It is currently in the midst of a refurbishment process, a process which demands an in-depth historical evaluation of the Mill and the development of its surrounding context. Through investigation of the buildings, a story of Torr Vale Mill, New Mills and the cotton industries of North West Derbyshire can be developed. It is important for us to understand and document these stories and the work involved in the design and construction of these sizable buildings. This will aid in interpreting which assets and features of the architecture need to be appropriately refurbished, restored and protected.

I shall undertake a detailed analysis of Torr Vale Mill and, through interpretation of the marks, indents and signifiers of its construction, -and inhabitation- conduct research into all stages of the building processes, including the technological context, motives for construction and models of occupation. I will extend this into researching the business practices involved in running the Mill and their impacts on the surrounding town of New Mills. In conducting this research I hope to answer the question:

How has changing technology, industry and infrastructure influenced the development of Torr Vale Mill over its 220 year life span?

In addressing this question I wish to develop a view on the correct methods of refurbishment, renovation and restoration for the particular group of buildings at Torr Vale Mill and an attitude towards the conservation and regeneration practices involved with industrial sites. Further to this, by conducting a study into Torr Vale Mill I will be creating a record of the current condition of the Mill which can be referred to when making decisions regarding future changes to the buildings and architecture of Torr Vale Mill.

There have been many in-depth studies into industrial mill architecture conducted in recent years, such as Yorkshire Textile Mills 1770-1930 and East Cheshire Textile Mills, both produced by the Royal Commission on the Historical Monuments of England. However, the understanding and study of the textile industry in North Derbyshire is comparatively underdeveloped. There is also a considerable body of research conducted by the New Mills Local History Society, which concerns residents and records of New Mills from the 1820s onwards. These documents are valuable resources for my research, particularly in identifying key areas of interest and focus. I wish to progress on the work presented in these publications and to develop a picture of New Mills from the perspective of the Mill. Further to this, a study should provide a detailed understanding of a constantly changing industrial heritage site. Showing a site throughout its lifespan, a story of development can be established, including the principles and ideas which were applied as well as shortcuts and ad hoc additions which, over time, become permanent. As such I wish to answer the secondary question:

Industrial heritage sites have a transitional nature and can be seen to be in the process of constant evolution, can and should this transitional nature be identified, preserved and embraced in future developments of these sites?

Within this study, the story of Torr Vale Mill and New Mills will take precedence almost to the extreme point that it may be described as idiosyncratic. However through the use of a highly specific case study, I hope to establish a position on conservation which may be applied to other buildings of similar heritage.
Ecclesall Woods Live Project, SSoA 2013

tangent, Roots architecture workshop

RAKE Showroom, TreStykker

tangent, Building Man festival 2014

Making a half lap joint as part of a floor, SSoA


'Let's Make': A Critique of Making in Architectural Pedagogy

Purdita Whitting

“The study of structures, construction and building materials, while being part of all courses, cannot be described as an integral part. All three subjects tend to be taught through lectures, with little classwork and no attempt to relate them to architectural design.”

(Crinson and Lubbock, Architecture, Art or Profession? Three Hundred Years of Architecture Education in Britain)

Throughout my undergraduate course at university, books, images and lectures informed the way in which the history, theory, sustainability and construction of architecture was taught. After graduating, I did not feel entirely confident in my understanding of the physical construction of buildings or satisfied with how schools of architecture educated their students in this respect. There had been no visits to construction sites, I-I models built, or practical hands-on workshops. In order to fill this perceived gap, I volunteered for tangentfield, an “open architectural field-research practice”. It was with them that I discovered a passion and curiosity for practical building, hereafter referred to as ‘making’, and experienced the joy in seeing a piece of material transform into a unique object. The workshops and events that tangentfield held formed a relaxed environment perfect for experimenting and testing ideas. This experience convinced me that I had sufficient knowledge of construction, as well as collaborative skills, to begin my Part II in Architecture.

At postgraduate level, students begin to specialise and have options to direct their learning. My new passion for hands-on work, along with a greater understanding of teamwork and my belief in the importance of community and social design, led me to aspire to incorporate these elements into my design projects. In this paper, I aim to explore the benefits of ‘making’ and demonstrate the importance of hands-on experience in architectural studies stressing the need to equally incorporate it into the curriculum.

Making is perceived, in my view, to be an approach often overlooked and undervalued within architectural education, which in turn affects architectural practice and its profession. I seek to critically analyse the value of ‘making’ and its implications in architectural education.

Making in architectural pedagogy is not fundamentally new, as many architectural students, tutors and practitioners strive to incorporate this approach through written work and practice. My experience as a student and participant in hands-on workshops provides a fresh perspective from which this discussion can be reviewed. My personal experience will be contextualised by the historical and contemporary discourse of the role of the architect and the role of making in the profession. I will draw conclusions from an analysis of six precedent studies through the theoretical lens provided by presentations, symposiums, interviews and literature.

I will begin by identifying the former connection architects had with craft, which decomposed over the years resulting in the abandonment of making within architectural education. In response to this, I will make a case for a greater hands-on approach within schools of architecture, using pedagogical theories and investigations into the two main benefits of making - physical and social. This does not undermine the value of lecture-based approaches within architectural pedagogy because this dissertation aims for a balanced architectural education.

Currently within schools of architecture, a wide variety of educational methods are used which teach students to creatively problem solve. However, as suggested by Gorman and Delaney in the introductory quote, learning about the tools of the trade is more effective when experiencing using a practical hands-on approach.

Students who believe they lack making experience, have looked for ways to gain this knowledge through voluntary workshops. Consequently, schools of architecture across the world have responded by introducing new modules, such as the ‘live projects’ across the world. ‘Live projects’, a recently favoured trend of architectural pedagogy, are growing within schools of architecture in the UK. Whether or not this is a reaction to student opinions, live projects give an opportunity to root build projects into the curriculum. Sheffield School of Architecture has been running these projects since 1999. They define live projects as “a relationship with an external client, a strong participatory nature and an emphasis on the processes of the project as well as its outcomes”. 1 Olivia Beaumont, a Sheffield student of architecture in 2008, states, that “Prue Chiles, Live Project founder and coordinator “…understands that the Live Projects are used as an opportunity to explore the expanding roles of the architect”.” 2 The live-build projects benefit students on various levels, however, it is commonly noticed in presentations on build projects, that theoretical and analytical reflection is often overlooked and images of the experience are shown instead.

1 Crinson, Mark, and Jules Lubbock, Architecture. Art Or Profession? Three Hundred Years of Architectural Education in Britain (Manchester: Manchester University Press, 1994)

2 Crinson, Mark, and Jules Lubbock, Architecture. Art Or Profession? Three Hundred Years of Architectural Education in Britain (Manchester: Manchester University Press, 1994)
Live Projects

Since 1999, over 150 Live Projects have been delivered by 1400 students! In the early years, Live Projects were undertaken by around 30 students. In 2014 around 175 students have participated. The programme now has a wider reach and has greater impact than ever; working across Sheffield, the wider region, throughout the UK and internationally. Running for 6 weeks as the beginning of the academic year, the Live Projects programme brings together Masters students from the MArch, MAAD and for the first time this year MACR. Students work in groups to produce built and strategic design solutions for real clients with a particular emphasis on community participation and collaborative working. The Live Project programme is widely recognised as an innovative form of teaching and learning within UK architectural education, offering students at Sheffield School of Architecture the opportunity to test design ideas in a real-world context not offered on such a sustained level by any other architecture school.

This year we are celebrating 14 Live Projects, which have covered themes of social sustainability, culture and heritage, urban design, housing and neighbourhoods, making and creating. Each project addresses important social and architectural issues. The beauty of the Live Projects is that these issues are not generated in academia, but are those that concern real people and communities. Live Projects reflect the myriad of opportunities that the broad subject of architecture offers, but crucially, aim to push the boundaries of the discipline further, in the hope that we can create designs/initiatives/proposals/resources that will benefit people. This year the Live Projects programme was supported by two visiting Professors, Kristen Ring and Tina Saabi. Their experience of working in Berlin and Copenhagen has influenced the Live Project groups in the development of their participatory processes and outputs. Live Projects celebrate collaboration and the spirit of collaboration - which can be powerful drivers for positive change. They also celebrate the value of meaningful engagement with diverse groups of people, to broaden the knowledge and appeal of architecture. The Live Projects programme this year has been enhanced by the use of Live Works city studio space; situated opposite Sheffield City Council’s office, it provides a hub for groups to interact with city partners on neutral territory in a flexible and supportive environment.

01 Broomhill Futures
Mentor: Lucy Plumridge
Client: BBEST – Broomhill, Broomfield, Endcliffe, Summerfield and Tipton Neighbourhood Planning Forum
This project worked alongside BBEST to develop a design guide for their neighbourhood area, focusing on four key areas: active travel corridors, open green spaces, Broomhill's retail district, and conservation areas. As well as a series of design guides, presentation boards and a model of the entire district were produced to aid BBEST in engaging with the wider community in the area. This project is ongoing, with designs forming the first six weeks of a two-year program discussion as the group moves towards finalising the Neighbourhood Plan.

02 Your Orangery
Mentor: Mark Dudek
Client: Lambeth Living
This project worked with the community of Clapham to develop proposals and spark a discussion as to how the grade II listed Orangery could be developed. A public consultation was held to engage local people and inhabit the Orangery, leading to the design and launch of a web-resource, which presents analysis and proposals for the site, over a range of time scales. A key stage of the project was the handover meeting, bringing together all parties involved to discuss and create a vision for the future of the Orangery forming a collective ‘Friends of Your Orangery’ group to take the project forward.

03 Otley Vision
Mentor: Irena Bauman
Client: ODD Campaign
The Otley Vision project was about working towards a sustainable and appropriate future development in Otley, alongside a community group, ODD. Participative engagement was used to develop alternative proposals for the brownfield sites to those made by Leeds City Council, to raise aspirations for future developments and to encourage wider community involvement. Final designs were consolidated into two options of high and low density, along with a set of design principles to form an agenda for further discussion. The employment opportunities and adaptive reuse of former industrial buildings explored within proposals were taken with great interest by local people, in contrast to their opposition to typical developer-led regeneration.

04 St Wilfrid’s School
Mentor: Howard Evans
Client: St Wilfrid’s Catholic Primary School
The project set out to configure potential much needed expansion strategies the school could explore, taking account of its roots in the catholic faith. Previous development endeavours had very little input from the school, so collaborative, user-driven processes engaged with the school and wider community. Identifying key areas for attention was done using a cake baked in the shape of the school, alongside 1.500 and 1.20 models of the school and a series of activities, involving collage and drawing. The team produced a feasibility document outlining research and proposals, a time capsule to be buried in the school grounds, a model of the school including each of the massing options proposed and a set of ‘what-if’ cards that suggest smaller scale interventions to improve the school and the playground.

05 Hemingfield Colliery
Mentor: John-Paul Walker
Client: Friends of Hemingfield Colliery
The project focused on developing a future strategy for Hemingfield Colliery, which has been disused since the 1990’s and in a prolonged state of disrepair until its privatisation in July 2014. A series of participation events, including a clearance day at the site, were held within the local community, with the hope of restoring the Colliery into a valuable community asset. The outcomes of the project were a series of documents, models and a video, designed to assist the clients in taking this project further, and included documentation of all research, participation events, and proposals for the site. As a legacy for the project, the mining head frame was illuminated for Halloween, something that can be reenacted each year.

06 Making ROCO
Mentor: Carolyn Butterworth
Client: ROCO creative co-operative
The aim of this project was to develop a temporary rooftop shelter for a new creative co-op, opening in 2015, as well as the design for a chicken coop for use in the future. Both designs are available as open source material, as requested by the client, and are temporary and customisable. The team also worked on the spatial layouts for the rooftop and the wider street, as well as identifying spaces key in the development of ROCO. The client was provided with plans that can be used straight away as well as an aspirational plan for the future.
The University of Sheffield School of Architecture

**Extra Care Housing Community**
Mentor: Leo Care
Client: Sheffield Buddhist Centre

This project worked with the Triratna community, of which the Sheffield Buddhist centre is part, to create a place of care for the Buddhist community. The team developed an architectural approach based around the core principles of Buddhism, including blending their own tea; a key facilitator of conversation within the community. A series of participatory workshops were key in creating a series of tools that enabled clients to communicate a shared vision of the project to future partners. This includes a package of research on what the project could be, and a tea box, providing information on the project in the form of a gift of tea.

**One Great Workshop**
Mentor: Julia Udall + Renata Tyszczuk
Client: Colin Harvard, Julia Udall

The project was based within Portland Works and looks at the history of energy and making in Sheffield. Working closely with the clients, tenants and shareholders at Portland Works, the project explored potential energy strategies for the building, focusing on preserving the culture of making. Using stories gathered at a series of events, a series of specific, manageable energy solutions were developed, including the production of two prototypes of temporary secondary glazing; a see-saw sawdust briquette press; two options for ‘pod’ designs for the artists space; and accompanying construction manuals for all.

**Cohousing Live**
Mentor: Mark Parsons
Client: Sheffield City Council + Sheffield Cohousing Network

The project team worked to develop a local approach to realising alternative housing models, and making this information readily available. A key output from the project was the production of a website condensing available information on cohousing to one clear and accessible online resource, which has also been distilled into a leaflet for the council. Working alongside Sheffield cohousing network, a series of activities and workshops were devised as part of an ‘activity pack’ for the Council to use. A stakeholder meeting was also held, which outlined potential routes for procurement, and initiated a discussion to draw on contributors expertise. This was summarised alongside all the research undertaken into a document for the council.

**Bamford Vision**
Mentor: John Sampson
Client: Sally Soody, Bamford Community Society

The project was concerned with the development of a vision for Bamford, focusing on four key aspects across different scales, and encompassing the recently community purchased village pub. The team worked on landscaping and event-architecture options, to increase profitability and functionality of the village recreation ground, and masterplanned village infrastructures to tackle traffic, parking and road safety in a way sensitive to local character. The design proposals were tailored to the village through a series of consultation events and workshops with the community. The final output was compiled into a 160 page Bamford Vision document, outlining designs, costs and activation methods for each of the project focuses. A new branding strategy was also produced, alongside multiple tourist information packs, village and regional maps.

**Volunteer Hub, Hulme Community Garden Centre**
Mentor: Mark Emms
Client: HCGC - Hulme Community Garden Centre

The project worked to provide a shelter between two existing shipping containers, currently used as storage and a ‘mess’ area for volunteers. The team worked alongside the garden centre and volunteers to design and build the shelter over six weeks, through a series of charrettes and participation events. The design evolved around the garden centre’s strong ethics regarding the use of recycled and natural materials; the structure used materials found on site where possible. During the project a blog was maintained to keep the client and interested parties informed about the progress of the project. A ‘construction manual’ and future vision document were also handed over to the client.

**Merz Legacy**
Mentor: Leo Care + Carolyn Butterworth
Client: Littoral Arts Trust

Working with a team of artists and architects, this project aimed at discussing the future legacy of the artist Kurt Schwitters by highlighting the role of the community in the on-going activity surrounding the artist’s studio-barn in the Lake District. An annual event at Cylinders allowed for the students to engage with the community members and through discussion and model-making put forward three future scenarios for the site. The work was to provide an exhibition for a conference at Tate Britain in November 2014 while also later used on site as a visitor display. The final aim was to help the client secure funding for the development of the site, by explaining the on-going legacy of Schwitters in the Lake District.

**Revealing Castlegate**
Mentor: Simon Baker
Client: Sally Cuckney, Matthew Hayman, Andrew Skelton + Sheffield City Council

The project team were tasked with designing an accessible and mobile platform to involve the public with the demolition and excavations of the castle market site, as one of the Council’s interim strategies for the site. A street-level installation was proposed, to explore the relationship between the private building site and the public realm. Simplicity was key so the design developed into a series of mirrors, adjustable from street level to achieve a myriad of views over the hoarding. The output from the project was a detailed concept design proposal, which will hopefully be developed into a built scheme, revealing Castlegate, and changing perspectives.

**Wickersley Park**
Mentor: Tony Broomhead
Client: Wickersley Parish Council

The project looked to transform an underused green space at the centre of the village into a valuable community asset. The park was occupied for a day by an event held to start discussion over its current state, facilitated by a series of methods based on play for all ages. A design document was produced, with the intention of feeding in to the continuing process, raising ambitions of the council to show how elements of the park could be developed. Exploration into a range of elements provided a set of design tools to be applied in response to time and funding available, informed by ongoing consultation.
Graduate School

With currently over 90 PhD students and 138 Taught Masters students from the UK, Europe and further afield, the School has one of the largest cohorts of architecturally based research students in the UK, reflecting its pre-eminence in the field of architectural research. The Graduate School embraces these Doctoral and Taught Masters programmes, it fosters links between post-graduate students and research staff, and supports the flourishing research culture within the School.

Our postgraduate research is intrinsically inter-disciplinary and is open to students with an interest in any aspect of architectural research. These include histories, theories, practices and politics of architecture, environmental design (lighting, acoustics and the thermal environment), sustainability and technologies, design processes and user behaviour, computer-aided design, emergent systems and complexity, socio-technical systems (particularly related to sustainable energy technologies) urban design and development, community design and participation, places and place-making, children’s environments, feminist approaches, transformative education and practice.

With a tradition of innovative education, our Graduate School encourages student-led initiatives and exchanges in research and education. We have a programme of events and seminars, often shared with larger research groupings in SSoA, and more informal lunchtime research meetings. The Graduate School also organizes informal meetings and formal public presentations for PhD students, and other research cluster activities such as the on-going East-West seminars, Lines of Flight, and the Lighting, Home and Digital Groups.

Our students continue to win prizes for their work. For example, this year Lakshmi Priya Rajendran won the Society for Research on Identity Formation (SRIF) International Doctoral Research Award 2015.

Current PhD students

Sadig Abid
Annie-Brient Aboagye
Ahmed Ahmed
Pouyan Akbari
Mohamad Al-Taha
Maha Al-Ligdy
Yaha Ali
Sukainah Almousa
Tahi Amrhiosseni
Aidan Arzagh
Habib Becerra
Ruxandra Berinde
Carolyn Butterworth
Choong Yew Chang
Shen Chen
Jianyu Chen
Michael Cozes
Andrew Coub
Rully Damayanti
Ahmed El-Astal
Ali Eltrapolsi
Mustafa Ersali
Rafael Mauricio Efrasio Espinosa
Fariba Fani Molki
Maryam Fazel
Rui Miguel Ferreira dos Santos
Ziyad Frances
Fabio Franz
Carl Fraser
Oliver Froome-Lewis
Ayesha Ghazanfar
Diego Andres Gonzalez Carrasco
Vera Hale
Gillian Horn
Junjie Huang
Iulia Hurduscus
Hyunjung Jang
Ling Jang
Sarah Joyce
Daniel Kerr
Zeynep Keskin
Cressida Kocinski
Dierong Kong
Andreas Lang
Phillip Langley
Jordan Lloyd
Elisabethis Margaris
Alona Martinez-Perez
Rene Meier
Nurul Mohamad
Aiman Mohd Rashid
Kate Morland
Jingyi Mu
Ays Musmar
Kadego Pressure Mwale
Gunes Nazif
Reiningard Neubauer
Shuntaro Nozawa
Patrick Okofu
Kristian Paramita
Junghyun Park
Oscar Armando Preciado Perez
Octavianus Priyanto
Hussain Qasem
Fei Qu
Xiang Ren
Shima Rezaei Rashnoodi
Chada Romcai
Chwah Sabr
Cagri Saiturk
Emmett Scanlon
Massi Sorn
Helen Stratford
Reem Sultan
Ian Trowell
Nor Ibara Tutman
Julia Udall
Alberto Urrutia
James Utley
Maria Van Elk
Samuel Vardy
Gloria Vargas Palma
Bo Wang
Roisie Ward
Choo Yoon Yi
Juri Yoshimi
Yang Yu
Ali-Chokhdar Yussur
Shuyou Zhang
Litao Zhou

Congratulations to students who successfully completed their PhD during this year

Yousef Al-Haroun
Denz Ati
Hui Ju Chang
Chomchon Fusinhaupon
Yiying Hao
Anna Holder
Nicholas Holmes
Bing Jiang
Hassan Khalilfehi
Sara Mahdizadeh
Adam Park
Lakshmi Priya Rajendran
Jemima Unwin
Shen Xu
Biao Yang
Ming Yang
Sahar Zahiri
Noushin ZandVosoughi
This thesis is a practice-led enquiry that examines the role of site-specific performance as a methodology or set of tools to ‘map’ sites of urban regeneration, and thus seeks to build further links between performance and the spatial practices of architecture and urbanism.

Performativity has emerged as an important critical concept across a range of social and spatial fields - as a way understanding how personal and place identities are continuously (re)created through everyday performance. Meanwhile, practitioners and researchers have become increasingly interested in creating, documenting, and theorising models of theatre and performance that engages with sites and communities outside of the gallery or auditorium.

The thesis traces the emergence of ‘site-specific’ performances as ‘more than representational’ cartographies from the early experiments of the Situationist International and the ‘Happenings’, through everyday practices of walking and navigating cities, to emerging technological and ‘locative’ performance models. The definition of what constitutes (a) ‘site’ is tested by locating these practices within the broader participatory and relational ‘turns’ in contemporary art. While this ‘expansion’ has opened up opportunities for site-specific performance-makers to operate within spheres such as community engagement, wider concerns are raised by the rhetoric of ‘community empowerment’ and the instrumentalisation of creative practice by political and commissioning institutions.

Keeping these issues in mind, this research builds upon Jane Rendell’s call for the field of architecture and urbanism to embrace and public art and performance methods ‘critical spatial practices’. The thesis constructs an argument for role of site-specific performance in articulating contested histories, claims, and potentials of the site. This proposition is explored through three central case studies, including empirical and practice-based research with performance-makers in three complex and contested sites in northern England. This is supported by a survey of contemporary performance practices that directly address themes and sites of urban regeneration.

Using the twin lenses of mapping and participation, the thesis demonstrates how performance(s) can articulate the multiplicity of stories, experiences, and potentials in marginalised or ‘interstitial’ urban sites. By introducing other agencies and temporary to the site (‘gathering and showing’), site specific practices have been shown to not only challenge dominant narratives, but as means of destabilise the fixed representations of places perpetuated by professional frameworks of urban development and regeneration.

This thesis focuses on the architectural education in China of the pre-modern period (with major phases of development from the beginning of 1840 to 1937), which was a period of dramatic social, political and academic changes. Modern architecture came into China from the West through foreign architects and returning Chinese architects who had received their architectural education overseas. The impact of new ideas made Chinese traditional carpenters try to catch up with the times, and the collegiate education institutes of architecture were established one by one.

The thesis attempts to outline from existing research what kinds of roles the traditional Chinese carpenters and the returning Chinese architects played in this period, and how the two different education systems attempted to work together. The paper also describes the main characteristics of the two education systems, investigating their influence on the younger generation.

After that, this study aims to fill the gap of correlational research between these two education systems, and a book which has been ignored for many years, named Yingzao fayuan (Basic Rules for Building) is introduced. The combined hard work of carpenters and architects, it can be regarded as a grammar book of carpenters and a book to understand the construction process of Chinese traditional buildings. In contrast, Western influence came through the adoption of the Beaux Arts method, and with it Western concepts of architectural history. Thus it is concluded that the teaching of the Beaux-Arts method and the research of the carpenters work were the earliest foundation of Chinese collegiate architecture education in pre-modern times.

Two studies are used to demonstrate the effect of street lighting on pedestrian reassurance in residential environments. Study 1 - Three Stage interview, asked 53 participants what mattered to them when walking alone after dark, asking them to recall their feelings from memory with and without reference to places of their own choosing. The most common combination of reasons for reassurance were perceived access to help, lighting and spatial features. The presence of threatening others was added to this combination in areas participants found unassuring. An image study demonstrated the reassuring effect of lighting and drew attention to the possible simplification of the issue of reassurance in an experiment with tightly controlled variables. Therefore study 2 took participants into real environments to see what matters there.

Study 2 - Residential Street Surveys, took 77 participants to 9 residential streets in Sheffield, and asked them to rate their perception of safety among other factors such as the presence of hiding places and perceived access to help. Photometric measurements revealed that the pattern of light expressed in the length and level of areas of low luminance matters to reassurance, as does vertical illumination and the light appearance of the whole surroundings, not just the path ahead. It was found that low uniformity is acceptable in some circumstances. However street lighting cannot always be presented as a solution to the problem of the fall of darkness as it had less of an effect in environments with low perceived access to help and who else is on the street matters to reassurance regardless of lighting. An effect of seasonal variation in lighting conditions was also found.

To summarise, Study 1 found that people think lighting matters, and Study 2 reaffirmed that it does, indicating possible minimum lighting conditions, which may be different to good practice. Further research is necessary to further explore the circumstances in which these minimum acceptable conditions apply and to define good lighting practice.
SSoA is one of the top five research schools of architecture in the UK. The 2014 Research Excellence Framework (REF) has confirmed the School’s position as a world class center for architectural research. In a joint submission with the Departments of Landscape and Town and Regional Planning, we are proud to have achieved 4th place overall by subject scoring very closely to the first 3 places in the subject area of Architecture. Built environment and Planning, 48% of our research was assessed 4* representing world-leading quality and outstanding impact, and 37% was rated 3* (Internationally excellent). We had excellent results overall in the context of the Faculty and TUoS performance, being one of the five Faculty departments in the top 4 in their field, and having one of the highest ranked impact studies in the University.

With 25 active research staff and approximately 92 postgraduate research students, the school consistently attracts external funding for its research and is involved internationally with a range of research projects. We do not see research as an isolated academic activity, but aim to shape the national research agenda and policy on the environment and to pro-actively address public and professional needs. In addition to external academic and industry partners, SSoA collaborations have been established within the University and City – Sheffield Urban Institute, Methods Institute, Engaged University.

Research is carried out in three research clusters: Architectural History and Theory, Architectural Sciences and Technology, Community Participation and Future Practice. Each cluster brings together academic staff, researchers and postgraduate research students within common areas of interest. We have developed three shared research platforms to act as a focus for all our researchers: Building Local Resilience (BLR), which focuses on global strategies for developing local strategies for climate change; Architectural Research Practice (ARP), fostering Knowledge Exchange between industry and academia and LiveWorks (LW), an experimental laboratory for participatory research and pedagogy based in a shop in the city centre developed in collaboration with FSS.

Some of this year’s key research events include:

- Transformative Neighbourhoods FSS Pecha Kucha event 2014
- AECB Conference 2015
- Urban margins: Urban imaginations dialogue series, 2015
- Urban Makers/ Makers Economies, seminar 2015
- Architecture and Resilience on Human Scale, International Conference 2015
- Architecture and Resilience on Human Scale, International Conference 2015

Architectural History, Theory and Education
Centre for East-West Studies in Architecture and Landscape

Architectural Sciences and Technology
Acoustics Group
Lighting Research
Digital Design + Performance

Research Platforms
Building Local Resilience
Architecture Research Practice
Practice Live Works

Community, Participation and Future Practice
Agency
Home
Global Architecture and Spatial Practice (GASP)
Children’s Architecture Unit (CAU)

Academics

Dr Nishat Awan
Diversity post-coloniality and geo-politics in spatial practice, creative research methodologies, alternative modes of practice, intersection of architectural, computational and artistic practice.

Professor Peter Blundell Jones
Architectural history and theory of the 19th and 20th centuries, architectural anthropology, urban history, writing and criticism.

Professor Irena Bauman
Drivers of change, changing role of the architect, community enabling and community led regeneration, climate change, adaptation, retrofitting neighbourhoods, new methodologies.

Dr Cristina Cerulli
Knowledge in design processes, emergence and complexity, non-conventional practice, management and procurement.

Dr Beatrice de Carli
Architectures, Participation and the Governance of Space and Learning and Urban Practices

Ranald Lawrence
History of environmental design and its influence on the development of modern architecture

Nadia Bertolino
Critical investigation on architecture and cities, with a special focus on the role of architects in contemporary society

Dr Rachel Cruise
Structural Engineers, Life Cycle Costing and Life Cycle Assessment, the relationship between structural engineering and architecture, methodologies of design, fabrication and production processes.

Professor Steve Fiorio
Research in lighting, research methods for visual psychophysics, building services, and environmental design.

Dr Teresa Hoskyns
Democracy and public space, democratic spatial practice and activism, social studies, feminist theory and practice, humanitarian responses, architecture sans frontiers (ASF).

Professor Jian Kang
Computer simulation for room acoustics and environmental noise control, auralisation, urban soundscape and acoustic comfort, considering social and psychological aspects of sounds, acoustic scaling, acoustic materials.

Dr Florian Kossaik
Urban history, contemporary urbanism, urban design, experimental mediation of architecture.

Dr Jo Lintonbon
Urban history and theory of the 19th and 20th centuries, building conservation and conservation led urban regeneration, design approaches within the historic built environment.

Dr Mark Meagher
Augmented environments, digital forms of making, smart materials, information visualization, architecture and social media.

Dr Rosie Parnell
Children and young people’s environments, learning environments, the user in design and education.

Dr Choenghae Song
Interactive architectural and urban visualisation modelling, e-documentation of heritage sites, mixed reality modelling and interaction, co-design of virtual and physical spaces.

Dr Michael Phiri
Health care environments, design impacts on health outcomes, evidence based design, assistive technologies, building information management systems, sensor technologies, robotics.

Professor Doina Petrescu
Gender and space within contemporary society, participation in architecture, culture and resilience.

Professor Flora Samuel
Architectural history, neglected narratives, gender, film theory, value of architecture, homes and housebuilding, practice-based research.

Dr Tatjana Schneider
Social and political context of architecture, an ethical and expanded role of the architect, architecture as a collaborative, empowering and political discipline.

Professor Fionn Stevenson
Ecological approaches, sustainable design, climate change, bioregional contexts, tacit knowledge, occupancy feedback, building performance evaluation.

Dr Renata Tyszczuk
Cultural transformations and transitional periods, concepts of sustainability, global environmental change and globalization, experimental representational practices, communicative aspects of architecture across different media.

Dr Stephen Walter
Art, architectural and critical theory, relation of theory to art and architecture practice, urbanism and urban issues.

Dr Tsung-Hsien Wang
Lecturer in Sustainable Design - architectural geometry construction from a parametric and generative perspective, digital fabrication, building performance simulation, sustainability evaluation and information interoperability in the building domain.

Professor Sarah Wigglesworth
Theory/Practice and professionalism in architecture; gender and practice, low energy design of buildings and sustainable environments; the role of representation in architectural thought.

Research Associates

Dr Francesco Aletta
Dr Jo Birch
Dr Holly Castleton
Dr Chris Cheal
Dr Mark Dudik
Dr Efthamios Margaritis
Dr Blundell Jones
Dr Maja Sorn
Dr Kim Trogd

01 Children Transforming Spatial Design: Creative Encounters with Children (2013-2016) Leverhulme Trust, Rosie Parnell (CAU)

02 AHRC Cultural Value of Architecture in Homes and Neighbourhoods F. Samuel (ARP)

03 Stories of Change: Future Works _ R.Tyszczuk (BLR/AGENCY)

04 BUPESA_ F.Stevenson/ M. Baborska-Narozny (HOME)
field:

field: is an international peer-reviewed journal that is available free online and with occasional limited edition print runs. It was launched in 2007 to provide an open access resource for innovative research in the architectural humanities.

ISSN 1755-0068

The next issue of field: Issue 6 on ‘Urban Blindspots’ will soon be available.

www.field-journal.org

For information and submissions email field@sheffield.ac.uk

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Renata Tyszczuk, University of Sheffield
Stephen Walker, University of Sheffield
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MArch Architecture: Collaborative Practice

The University of Sheffield’s School of Architecture (SSoA) has placed itself at the forefront of architectural education with the launch of the new Collaborative Practice Part 2 Architecture course starting in September 2015. Collaborative Practice blends practice based experience with academic research and learning. The new route proposes a 2 year program where year 1 (Year 5 of the architecture route) is based in Practice with the student employed approximately 4 days /week. Year 2 (Year 6 of the Architecture route) is based back at the University Full Time. In the first year of the course students are able to earn as they learn, potentially shortening the time for students to reach qualification by one year. SSoA believes this offers significant benefits to students of architecture given the pressures that students face on the higher £9K fee.

‘It’s widely accepted that for some students, fees act as a barrier to the traditional full time route into architecture because of the number of years taken to qualify. At SSoA, we identified that there would be a problem retaining and attracting students into the profession. We want to ensure that a career in architecture is open to students from a diverse range of backgrounds and this programme seeks to address that issue.’

‘Through Collaborative Practice, we wanted to address the traditional divisions between practice and education in architecture. This is an opportunity to engage with practice so that students are able to experience the full breadth of an academic and vocational approach to their learning. We believe that the new programme will increase student employability and give students a more holistic and integrated experience of architectural education which can only be a good thing for the profession.’

The new route also offers students unique opportunities to develop their experience working with some of the country’s top architecture practices. The programme is built around strong partnerships with leading practices in London who’s Directors are Sheffield alumni and have or still hold visiting practice professor or external examiner roles.

Satwinder Samra
Director Future Practice

Alex Maxwell
Graduate Intern Collaborative Practice

Thanks to the following for their enthusiasm, support and collaboration:

From the School and University

Sarah Bramall  Carolyn Butterworth  Andrew Callaghan  Leo Clare  Sam Dobrinski  Sam Guest  Aidan Hoggard  Amy Horton  Sarah Kirkpatrick-Gandy  Terry Lamb  Russell Light  Ian Hicklin  Dan Jary  Sara Lancashire  Jackie Marsh  Tracey Jane Mayes  Alex Maxwell  Allanah Millsom  Claire Parke  Flora Samuel  Fionn Stevenson  Bryony Olney  Nicola Orridge  Matthew Pearson  Tom Roper  Rob Sykes  Paul White  Ros Walker

From Practice

Timebomb - Exploring student debt

Launch event at BDP, London - March 2015

Course Ethos

Learning and Teaching Opportunities
Internationalisation

SSoA is a vibrant international community: over 30% of our students and nearly 40% of our staff are international. This is reflected across all aspects of our work, from the way we learn and teach, to the diversity of our research portfolio and the way we engage with the city and the world beyond.

We are particularly dedicated to supporting incoming international students, as well as home students seeking international experience. We focus on developing the cultural agility of all our students, and actively seek to create further opportunities to expand our students’ awareness of the international context of research, study and practice. We have developed curricula that are culturally aware, sensitive, appropriate and ethically grounded, supported by a diverse and comprehensive international teaching network.

We have strong connections with other Schools and organisations around the world and actively promote cultural exchanges within the department, across the University and with our partner institutions. As well as raising cultural awareness, our teaching collaborations enable students and staff to participate in international exchanges through collaborative work or placements.

Our International teaching network includes Erasmus + partnerships with a wide range of EU universities as well as additional partnerships further afield through programmes such as the University-wide Study Abroad. Additionally a range of informal teaching collaborations with International partners and activities - such as field trips, case studies and research collaborations - enrich the learning experience, making it culturally diverse and geographically spread.

Student Exchanges

01
Aleksandra Szwedo
2nd year, BA Architecture (Erasmus exchange at the National University of Singapore)

“For my exchange I went to Singapore. I had an amazing time there, although the course was very demanding. Asia gave me the opportunity to perceive architecture in a non-European way, to always take climate and culture into consideration, to be open to the diversity of people around you. Being able to be a part of a completely different culture on a completely different continent was the greatest opportunity I have received so far.”

02
Marcus Hirst
2nd year, BA Architecture (studying abroad at the University of Wisconsin-Milwaukee, USA)

“Studying Abroad has been the best decision for my own education and personal growth. Being supported by two Universities while studying Architecture has been very rewarding and has lead to an interesting new pathway of ideas. Of course, once you get over the hurdle of using another measurement system! The University of Wisconsin-Milwaukee had a fantastic collection of staff both inside and outside the department. I was free to also pursue second-year Japanese and was invited on another Study Abroad Program to study Architecture in Japan for a month with Masters students in the department. I’ll be back.”

03
Robyn Poulsen
5th year, MArch Architecture (Erasmus exchange at the Oslo School of Architecture and Design)

“AHO is an international design school in which students work closely with different disciplines such as industrial, landscape and system designers. It was a great opportunity to learn new skills as well as meet and make contacts with students from all over the world.” Image taken at a field trip to Malmo, Sweden; cycling around Pildammsparken

04
Toby Buckmaster
5th year, MArch Architecture (Erasmus exchange at the Kungliga Tekniska Hogskolan, Stockholm)

“Studying at KTH in Stockholm has been a fantastic experience from both an architectural and cultural perspective. Being part of such an international school with students from all around Europe has been an enlightening insight into global architectural practice.” Image taken during the university’s diplomas days ceremony party at the end of the year with an awards presentation.

05
Giulia Torino
Former SSoA Erasmus student from IUAV, Venice and now Urban Design Intern at NYC Department of City Planning, New York

“The University of Sheffield was the greatest opportunity I have received so far. Not only the teachers at SSoA were all greatly supportive of any idea and project that I wanted to investigate, but they also let me incredible flexibility in the choice of the modules I wanted to follow. In this way, I could not only take advantage of the Master programmes I was interested in (the MArch and the MA in Urban Design), but also keep open a dialogue between different urban scales and disciplines, while drawing from the extensive palette of expertise that SSoA offers to its students.

At SSoA, I could always find a space to express my ideas and to question them; a space to create constructive debates on ongoing and urgent urban questions; a space to challenge my limits and my previous knowledge.

Only at the end of the two semesters spent at SSoA, when facing the most challenging part of my research thesis on (and in) Bogotá, Colombia, I was actually able to completely realise how crucial and considerable have been the tools of critical analysis that I had gained at The University of Sheffield - without which, I can now tell, I would have never been able to go truly in depth in such an interdisciplinary and highly contested case study like the urban transformation of such a complex Latin American megacity.

I will always remember with great joy the year spent at Sheffield, and will always be thankful to SSoA teachers and to the great cultural environment they created in the School - as they taught my mind to fly as high as it could aspire to.”
Reflecting on culture and identity within the curriculum

Abd Al Farraa’s Special Study titled “Architecture at War: Fading memories and healing truth”
3rd year, BA Architecture at University of Sheffield
"In these times of war, cities of Syria are witnessing a strategic remodelling of the urban fabric. Repurposing architecture and space for a more situation related demands that mediates between temporary and permanent [...] When she was talking to me I started having flashbacks. I remembered the dark cold guestroom that we used to hide in when we were kids, I remembered having breakfast on their kitchen table by the big window, and I also remembered the smell of their house. It has been 10 years since I have been there but it felt like yesterday, only that this time, with every memory, an image of it destroyed pops into my head and ruins that memory, pushing them back as if I am losing them."

Cristina Carcanescu’s Special Study titled “HOPSCOTCH: A Tale of Home”
3rd year, BA Architecture at University of Sheffield
"It was a sensible decision for my grandfather, aunt and father to move to Bucharest. At that time, my grandfather was the only one to sustain the family and he had already been working on construction sites since 1964 [...] I have memories of that place, of the barracks in which they would live, situated where the systematized Dâmbovita flows now; memories inherited from my grandfather; I would see the gloomy construction site, when closing my eyes, and I would easily prefer that image instead of the current state of the area, consisting of arbitrary placed functions and an impractical strand. I would imagine every door, every window frame, I would see every detail of it being sanded by my grandfather’s hands"

Pedagogical Research

Urban Design Methodologies and Tools for the Engaged Practitioner
The project ‘Urban Design Methodologies and Tools for the Engaged Practitioner’, developed within MAUD by members of the Agency Research Group and supported by the University of Sheffield Engaged Curriculum Programme, was presented at the Biennal of Public Space in Rome (May 2015) as part of session organised by UN Habitat focussing on toolkits for the promotion of equitable public space.

MAUD at the Urban Lab+ London Symposium
Innovations in teaching across culture and geographical contexts within the MAUD course will be presented at the Symposium Global Urban Higher Education: the challenges and potentials of internationalisation, Urban Lab+ London Symposium, 16-17 September 2015, UCL Urban Laboratory, University College London

Research-led teaching through international collaborations

Studio “Global Praxis” Research Trip in Cairo
In February 2015, the PGT/MArch Studio Global Praxis went on a research trip to Cairo, Egypt to engage in a workshop with Cairo-based design and research practice CLUSTER – Cairo Lab for Urban Studies, Training, and Environmental research. The 5-day workshop was titled Mapping Relationscapes, and focused on the uses and appropriations of passageways in Downtown Cairo. It included 21 students from the SSoA MArch, MAUD and MAAD programmes, and 18 students from a range of Universities in Cairo. The aim was to test methods of mapping the social relations underpinning spatial production in Cairo city centre, while exploring passageways as key sites in the redevelopment of Downtown.

Studio “Cities in Transition” Workshop in Padova
In 2015 the Cities in Transition studio had the opportunity to work with students from the Masters in Building Engineering/Architecture at the University of Padova, Italy, in initiatives led by Dr Nadia Bertolino and Professor Luigi Stendardo. The students in Sheffield and Padova dealt with the same project site in Italy and investigated similar research issues around the architectural regeneration of vulnerable territories. Two workshops were run, the first in Sheffield based on the long-distance understanding of the design context, the second in Padova where the students surveyed the site and worked in teams to give a public presentation about their readings. The initiative has been included in the toolkit for PGT innovation edited by the Academic and Learning Services at SSoA and will be included in the incoming book “Collaboration and Student Engagement in Design Education” by Prof. Richard Tucker (Deaking University, Australia).
Events and Activities

A wide variety of activities take place outside of courses, with both students and staff participating in a range of events locally and internationally.
Theory Forum 2014 - Border Topologies

In a world of rising inequalities and growing conflict, borders are multiplying and becoming increasingly complex. Whilst the border as spatial metaphor is used extensively in architecture, borders as political and material realities are often overlooked. This conference explored architecture’s relationship with border geographies.

Metaphors such as channels and filters describe the selective nature of contemporary political borders by foregrounding the contradictions of movement and flow on the one hand and hardened barriers on the other. At the same time, contemporary border studies have shown the border to be a complex social and cultural institution that operates topologically. Yet, the political border is usually represented as a line and is predominantly viewed as such in policy making through a top-down international relations perspective. How can architectural research allow a more nuanced relationship with different types of borders? How do we represent borders as topological spaces rather than the flat, two-dimensional planes of standard maps? What happens when rigid political borders cross fluid ecologies? How are ecological borders acknowledged or not in planning and design?

Ecological borders not only operate at the level of the landscape or territory, but also at the level of the body. Posthumanist discourse blurs the borders of who or what we consider human. In a technologically mediated world, where does the border between the body and the environment lie? Traditionally, the humanities have been concerned with the Enlightenment ideal of the human, but how might the humanities contribute now that we are all, following Rosi Braidotti, at the same time more and less than human. For the architectural humanities, the question could be one of mediation. If architecture as practice has traditionally mediated between humans and the built environment how might it now act as a mediator between different spaces, species and ecologies.

Borders are here conceptualised as political, ecological and social. We would like to explore what approaches and methods are required for a critical engagement with these different types of border spaces. We aim to explore these and other related questions through theoretical, methodological and design-based approaches.

http://www.topologicalatlas.net/bordertopologies.html

Organiser of the Forum
Nishat Awan
Globalisation and Spatial Practice Research Group

Chairs
Nishat Awan
Renata Tyszczuk
Doina Petrescu

Speakers

Political Borders
Lorenzo Pezzani
Omar Nagati
Bestrice De Carli + Alexandre Apsan Frediani

Ecological Borders
Lindsay Bremner
Helen Pritchard
Usula Biemann

Border Methodologies
Pelin Tan
James Bridle

Keynote
Celia Lury

01 Discussion
Nishat Awan, Alex Frediani, Beatrice de Carli, James Bridle + Omar Nagati

02 Discussion
Ursula Biemann, Lindsay Bremner + Helen Pritchard

03 Post-Forum Meal
Florian Kossak, Ursula Biemann, Lindsay Bremner

04 Discussion
Ursula Biemann, Lindsay Bremner + Helen Pritchard
SSoA Building Local Resilience - This Changes Everything

Climate Change has made, and will continue to make, significant impact on how we live and how we behave. Every aspect of our lives will be increasingly touched by it. The architecture we currently produce increases carbon emissions and contributes to escalation of potentially irreversible and damaging changes. Business as usual is no longer an option for a sustainable future, new designs and processes are needed.

Many architects and urbanists are already actively involved in developing these and are becoming part of the solution. This Changes Everything is a challenge we are posing to all studios:

How will your studio contribute to tackling climate change?

The SSoA Building Local Resilience Platform ran a series of seminars as a provocation Think Tank for PGT/MArch cross studios starting to think about how to integrate climate change adaptation and mitigation measures into their design thinking.

Students attended two 6 hour seminars: the first one consisted of 4 presentations from lecturers to highlight various aspects of climate change and its impact on architectural design, and then each studio presented three slides to describe how their studio would address these issues and what methods they would use to sustain this focus. Three months later the second 6 hour seminar was held in which all studios presented their projects and illustrated how the climate change considerations were incorporated into studio work, leading into open discussion.

Students embraced the agenda and developed well informed and creative design propositions, designing for rainfall, floods and global warming.

Facilitators
Prof. Irena Bauman
Dr. Renata Tyszczuk
Sarah Wigglesworth
Aidan Hoggard

Studio Contributors
LANDSCAPE + URBANISM
BreathABLE
Future Pasts
Future Works
(Re)-Activist Architecture
Intergenerational Architecture
Interactive Urban Skins
In Residence
Global Praxis
Activators in Place
SUAS

The 2015 SUAS committee set bold ambitions to build connections within the school, and with the outside world, but most importantly, in a time when studio space is at a premium, to bring excitement into the studio culture of the Arts Tower. We aimed to achieve this through friendships created through the peer-mentoring scheme, our many social events in The Well, and through championing imaginative ways of engaging with architecture in our evening lectures, given by visiting practitioners.

We kicked off the year with the highly successful fancy-dress H-word social and Bakewell pub-crawl. Amongst our busy calendar, we managed to fit in socials with Hallam Architecture, an Architecture/Engineering pub-quiz night (won by the architects) and our highly glamorous Christmas Ball at City Hall.

Amongst current diversification of the profession, SUAS has seen its role as to broaden the exposure of students to a range of architectural modes of practice. We have opened socials and our membership to Landscape and Engineering, and have seen a successful lecture series celebrate everything from research practice, to the Turner Prize nominated collective Assemble. Additionally, we have been fortunate to have two Stirling Prize Winners, Stanton Williams Architects and Witherford Watson Mann Architects give talks, as well as architects from wider disciplinary practices involving master planning and landscaping.

As ever, we have been lively in the debate over the social and political role of architecture, with keynote speeches at the Sheffield Housing Festival on the importance of design quality amongst the politicisation of the housing crisis in the run up to the election.

Last but not least in the SUAS calendar has been the Summer Ball. True to SUAS tradition, this years’ fancy dress theme “Arabian Nights” offered students the opportunity to get crafty with costumes, decorations and DJ sets, and come together to celebrate what’s been a truly fantastic year.

Lilly Ingleby,
SUAS President

SUAS Committee 2015

President
Lilly Ingleby

Vice President
Becky Liebermann

Treasurer
Ethan He

Secretary
Asia Cydzik

Ball Co-ordinator/
Undergraduate Publicity
Louise Taylor
Marnie Hodgson

Social Team
Maria Henshal
Mari Shirley
Josh Stokes

Publicity/Branding
Petros Antoniou
Lucy Sanders
Adam Tarasewicz

Inclusions Officer/ Mentoring Scheme
Becky Liebermann

SUAS Shop
Adam Tarasewicz
Silva Leone
Becky Liebermann
Petros Antoniou
Mohammed Khizr

Thursday Lectures Team
Serina Katazono
Gabriele Pauryte
Tendai Taruvinga

Life Drawing
Serina Katazono
Gabriele Pauryte

Ball Team
Louise Taylor
Marnie Hodgson
Mari Shirley
Jack Duberley
Zoe Georgiadis
Becky Liebermann
Jessica Corns
Victoria Spencer
Frankie Sim

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01
Annual Word Social (H-Word)

02
SUAS and Architeers Social

03
SUAS Lecture

04
Formal Christmas Ball

05
End of year event 2015
Sheffield 1900 Study and Model

For the last sixteen years we have been systematically studying the growth of Sheffield and building a model of the city as it was in 1900, at the height of its industrial might. Each year groups of students take on a series of new squares on the city grid, each measuring 200 metres by 200 metres, and they look at what went on in that square: its roads, rivers and other infrastructure, its general pattern of growth, the uses of its buildings, the presence of any special monuments, and how it has changed from 1900 to today. We have by now covered the whole city centre and this year’s groups worked on three squares rising from Kelham Island towards Walkley. Still fields at the end of the eighteenth century, this area was very rapidly developed for industrial uses during the first half of the nineteenth century, with the notable monuments of St Philip’s Church and the City Infirmary. Now the busy roundabout of the Hillsborough road dominates, but the frontage to Globe Works remains.

Tutors
Peter Blundell Jones
Pleasure Mwale

Students
Square Y5
MA in Conservation and Regeneration
Le Qiu
Ilan Mitterman
Ben Tosland
Mohd Iqbal Hasim

Square Y6
MA in Urban Design
Yuan Xiong
Yueying Huang
Nan Wang
Zhiyang Mao
MSc in Digital Design and Interactive Built Environments
Xu Guang
David Allescas

Square Y7
MA in Urban Design
Shuyuan Gao
Zhiyuan Zhang
Ting Xu
Shuyuan Che
Lu Liu
Summer Schools

This past September the Sheffield School of Architecture hosted the first Making Cities Summer School. The Summer School was a 6 day programme of events designed to examine the fabric of the City Centre of Sheffield and propose solutions to vacant, underused and underdeveloped sites within the city.

The students who participated were from a wide range of backgrounds and experiences and it gave them the opportunity to explore their interest in architecture, gaining first-hand experience of the design process whilst working with leading practitioners. The Summer School brought together both Schools of Architecture in Sheffield, University of Sheffield and Sheffield Hallam University. It took place during the Festival of the Mind, an event which promotes collaboration between the University of Sheffield and the City in an 11-day festival where we share our most exciting research in inspiring and creative ways.

Each morning students were able to choose from a series of skills sessions including collage, perspective drawing and life drawing workshops. These were designed by some of Sheffield’s leading academics and educators in the field of Architecture. Afternoons were spent in one of 3 design studios on floors 16 and 17 of the Arts Tower. The 3 studios were run and themed by one of the Team Leaders, Martin Mayfield (Engineer), Irena Bauman (Architect) and David Cotterrell (Artist). Studios were encouraged to test their ideas in 3D within a giant city model, which was situated at the heart of the Arts Tower.

Each evening students were offered a talk, walking tour or design review hosted by one of our highly renowned guests from some of the UK’s best practices: AHMM, HawkinsBrown, Penoyre & Prasad and 5th Studio. The closing event on Saturday 20 September provided a special opportunity for students to exhibit their work mounted within the giant city model in Tudor Square, in the city centre, amongst the events of the Festival of the Mind, signalling an open invitation to the citizens of Sheffield, Sheffield City Council, Sheffield Society of Architects and Sheffield Civic Trust.

The 2015 Making Cities Summer School will offer an energetic five-day programme of events where participants will examine the fabric of the City Centre of Sheffield and propose solutions to vacant, underused and underdeveloped sites within the city. Students will be mentored by architects from some of Britain’s leading practices. Working together in our studios at the top of the Arts Tower, participants will use a giant model of the city to develop ideas and concepts. Each day will be packed with design workshops, skills sessions, walks, site visits and film shows. There will also be an evening programme of talks by each of the contributing practices. During the closing event we will invite groups to present their proposals to delegates of the Architecture and Resilience on a Human Scale Conference.

Closing date for registration is September 1st, 2015
For enquiries contact:
Annabel Smith
annabel.smith@sheffield.ac.uk
0114 222 0310

Sheffield Academics
Simon Chadwick
Leo Care
Russell Light
Satwinder Samra
Cith Skelcher

Visiting Practices
HawkinsBrown
Penoyre & Prasad
Norton Mayfield
Haworth Tompkins
Bauman Lyons
The Architecture Students Network is an independent network of student representatives from schools of architecture within the United Kingdom. The Network has existed for over 15 years, with the aim to support and promote architecture student events, harness student opinion, and engage with educational & professional organizations, both nationally and internationally.

The annual conference held at the Manchester School of Art in February discussed a range of current issues which affect students at all stages of their study as well and the future of the profession as a whole. 40 students from over 20 schools of architecture from England, Scotland, Wales and Northern Island considered the value of the title of architect; the changing role of the profession; the effect of increased tuition fees; unpaid internships and the RIBA’s education reform. The outcomes of the conference fed into the ASN representation at the RIBA special Education Forum meeting on 24 March 2015 and gave architecture students a voice at this pivotal forum.

The ASN’s Radical Pedagogies Symposium: Architectural education & the British Tradition on 4th June 2015 will generate a students’ manifesto for architectural education and be used to inform the debate on future models. This is part of the ASN continuing commitment to ensure that students are given a voice in the RIBA education reforms.

A Celebration of Architectural Education ASN conference on the 17th-18th June 2015 at the Brighton School of Architecture will provide the opportunity to show the unique and specialist skills which are developed by all architecture students.

The ASN aims to promote all schools of architecture across the UK and as part of this provides a comprehensive list of dates and location of end of year degree shows to encourage greater cross communication between schools of architecture and to help the ASN to grow.

01
Discussions about the importance of marketing in architecture

02
ASN student discussion panel

03
Panel speakers: Luke Butcher, Alex Maxwell, Flora Samuel, Helen Gribbon & Vinesh Pomal

04
The final group meeting about the next steps for the ASN
Student Achievements

Students at SSoA have taken part in extra curricular design competitions, consistently winning and being shortlisted against other students and practicing architects on national and international platforms. This year the school has seen numerous successes in a wide variety of awards, a few of which are showcased here.

01
RIBA Norman Foster Travelling Scholarship
Charles Palmer

Charles was awarded the £6000 award for his proposal 2015 RIBA Norman Foster Travelling Scholarship for his entry ‘Cycling Megacities’, exploring the different challenges posed to urban design by cycling. He plans to carry out research in Mexico City, Lagos, Dhaka and Shenzen, exploring how policies, investment, and campaigns are transforming urban public space.

Palmer was chosen by a jury which included Norman Foster, Spencer de Grey, Roger Ridsdill, and Narinder Sagoo of Foster + Partners, RIBA president Stephen Hodder, Hopkins Architects co-founder Patty Hopkins, and RIBA vice president international Peter Oborn.

02
120 Hours, Commendation
Deborah Adler
Timothy Rodber
Dominic Walker

The competition was 120 hours of intense work, open to students from all over the world. The students were asked to develop a conceptual architectural plan for preserving the now empty mining town, Pyramiden, on the Arctic archipelago of Svalbard, Norway.

The former coal mining town was hastily evacuated in 1998 leaving the entire area effectively frozen in time. Students were challenged to redefine traditional concepts of preservation, question existing frameworks and experiment beyond established rules. Julien De Smedt together with Jorge Otero-Pailos, Pernilla Ohrstedt, Maria Fedorchenko and the student representant Jesper Henriksson, discussed their way through the 741 received submissions before reaching their verdict, which saw teams from Sheffield School of Architecture receive two of the ten commendations.

This entry explored the idea of cloning polar bears by way of repopulating Pyramiden, whilst reversing the endangerment of the species.

03
120 Hours, Commendation
Sixuan Li
Kun Ma
Ya Liu

A second entry to the competition by Sheffield students also received a commendation. This proposal looked to use fire as performance art, commemorating the memory of built architecture.

04
AHRC Doctoral Award PhD Studentship with SCABAL Architects & Cambridge University Faculty of Education
Tom Bellfield

Tom was awarded funding to undertake a PhD as part of a collaboration between SCABAL architecture studio and the Faculty of Education, University of Cambridge.

Society for Research on Identity Formation (SRiF) International Doctoral Research Award 2015
Lakshmi Priya Rajendran
The Heeley Energy Hack Farm is a bottom up strategy that begins to imagine an architectural and ‘DIY’ response to facilitating local energy resilience, where a community in Sheffield begins to ‘farm’ and ‘hack’ their own ‘soft’ energy creating an open source energy commons. The farm facilitates local social energy through a cultural events space, a hackers lab, and a community banqueting space, as well as hosting unconventional and experimental ways of producing energy.

This project seeks to provide the facilities for a drug and botanics research laboratory alongside an Alzheimer’s respite centre. Set on the banks of the Leeds to Liverpool Canal, the project draws inspiration from Liverpool’s historic docklands and the canal’s heritage as a vital transport artery during the industrial revolution. The shared program is key to the structure of the proposition, it’s aspiration is to break down the divide between drug research and the treatment of the illness. The aim is for the facility to provide holistic care, as social and mental well being are as important as drug treatments in the management of this terminal condition.

Urban [Re]Generator, Northern Quarter, Manchester
Stefania Tsigkouni
Tutor: Robert Blundell

In Furnace Hill, Sheffield, traditional manufacture and trade in small steel industry has long provided the local community with spaces for commercial venture. Political space is carved out from the relations built in these situations. Reviving the ancient relationship between theatre, trade and politics supposes the proposition of a community theatre space that allows citizens to participate as actors and spectators within their community.

Making Communities: Furnace Hill, Sheffield
Pierre Shaw
Tutor: Maggie Pickles

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Global Architecture Graduate Awards: Postgraduate Runner Up
Tutor: Phillip Langley

Technological advancements are transforming our shopping habits. Set in 2034, within the context of High Speed 2 (HS2), a proposed rail route between London and Leeds, this masterplan explores how the construction of a new type of retail infrastructure within an HS2 station at Meadowhall Shopping Centre (Sheffield), can adapt to the potential future implications of the retail industry.

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Sheffield Society of Architects

Established in 1887 the Sheffield Society of Architects is one of the oldest architectural societies in the country. As a regional branch of the RIBA we represent its members locally and promote architecture within the city. The group is run by a core committee who deliver a wide range of architectural and community engagement projects and always welcomes new members.

In the last year we launched our Dear Sheffield postcard exhibition; a project we started in 2012 to celebrate 125 years of the Society. Dear Sheffield is a fascinating collection of memories of places and spaces from the people who love and live in Sheffield. This project has been very successful in reaching out to the general public and continues to tour public venues within the city.

Also, furthering the discussions established at the Design Summit last year, we are engaging with Sheffield City Council about the recently published master plan for the new retail quarter and the development proposals that are emerging. The society seeks to be an active consultant in the development of the city, drawing on the experience of its members to inform the architectural environment.

Alongside a regular programme of building visits and social activities we focus on key design based events within the city including Design Week in June and Sheffield Urban Design Week in October 2015.

We also recently purchased part of the Flockton Collection, a portfolio of architectural drawings from the 19th and early 20th century. Flocktons were architects responsible for a number of significant buildings in the city and the drawings will help highlight the design evolution of the city. We are therefore in the process of cataloguing them and looking to host an exhibition of the drawings next year as well as making them publicly accessible.

Going forward we want to further strengthen our ties with Sheffield’s architectural students and academics and other partner organisations to help promote architecture and enable debate about our great city and the design issues/opportunities it faces. We are always keen for new members to strengthen our committee. If you would like to become involved or find out more about the Society and its events please email us at sheffieldsocietyofarchitects@gmail.com

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**01**

**Fantastic Cities**

The Fantastical Cities event by the RIBA (Royal Institute of British Architects) and SSA (Sheffield Society of Architects) was part of Design Week in Sheffield. Fantastical Cities was a chance for families to build their own buildings as part of one big cardboard city on John Street, with the road closed off, it gave everyone a large space to build on.

**02**

**Dear Sheffield**

A fascinating collection of memories, places and spaces from the people who love and live in Sheffield.
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The University of Sheffield School of Architecture would like to thank the technical and administrative team for their continued support and input throughout the year; in particular, Peter Lathey for his outstanding service to the school and we wish him a happy retirement.

We would also like to thank all of our contributors, everyone involved in curating the exhibition and everyone involved in compiling this catalogue.