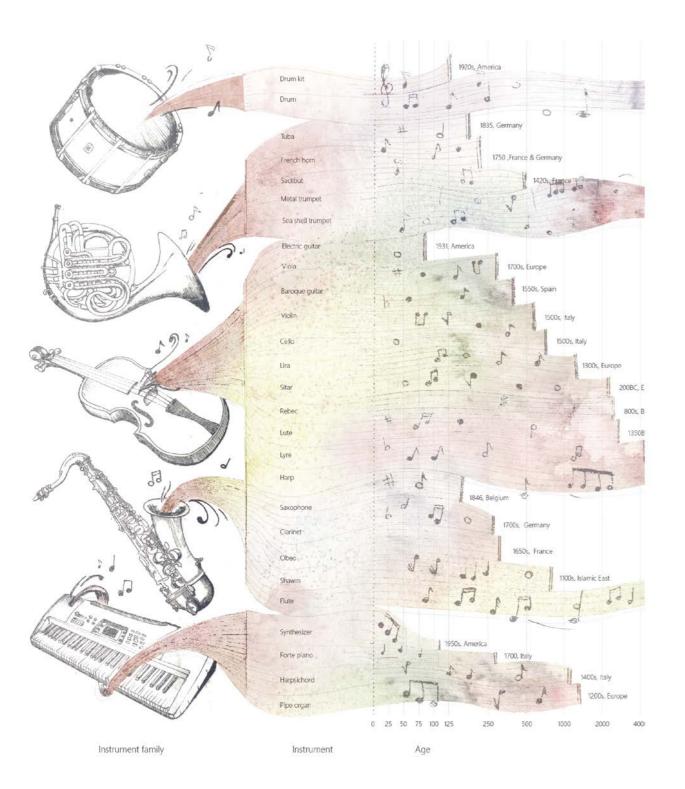
GRADUATE YEARBOOK 2014-15

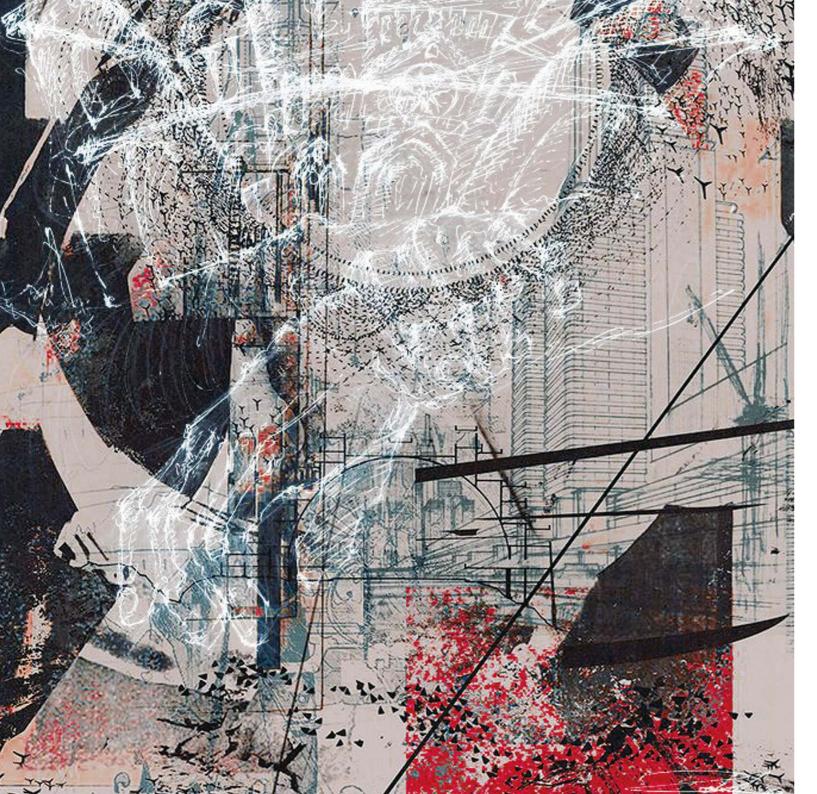
UNIVERSITY OF THE WEST OF ENGLAND



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Front cover image: Greg Barrett, Entropic Reliquary, Year 4

Left: Michaela Mallia, Musical Expression, Year 4



Welcome to our 2014-15 Graduate Yearbook. This anthology gives the students and staff at UWE Bristol the opportunity to reflect on, and showcase, the fabulous and exciting work we do.

We believe that the idea of making good places and buildings – at all scales – is a co-operative enterprise and this belief is fundamental to our academic culture and our portfolio of courses. We offer a suite of specialisms conceived as an integral part of an inter-disciplinary approach to professional scholarship. This expanded field of specialisms offers students and academics a rich texture of debate on the nature and identity of contemporary architectural practice that allows them to create, experiment and test ideas; enabling them to become designers that are concerned with the art of building well. We value and treasure our excellent relations with industry and local communities. These make the school a supportive and dynamic community of learners' with employability at its heart.

We hope you enjoy the selection of work.









Charles Wellingham 2014 S.P.A.B Lethaby











BRISTOL



UWE BRISTOL ARCHITECTURE SOCIETY

This has been another successful year for the Architecture Society. We have encouraged a range of practicing architects and planners to participate and to engage with the members of the architecture society and the school. We have achieved this by hosting external lecturers at the university; learning from their experiences and getting a wide scope of knowledge from each lecturer that participated in the series.

We worked closely with the RIBA South-West to hold their annual AGM meeting at the university. Students, practising architects and designers came together at the University to network and discuss the important issues facing the profession.

We wish to extend a special thanks lbstock for helping to fund our largest lecture series yet with 17 external lecturers visiting our school. A selection of these varied speakers can be seen in the posters on this page.

Our main social event this year was the Christmas party, held at the city central bar 'Antix'. The party was a great success and many laughs were shared on the night.

Finally we would like to thank everyone who has helped with the society for making this such a fantastic year.





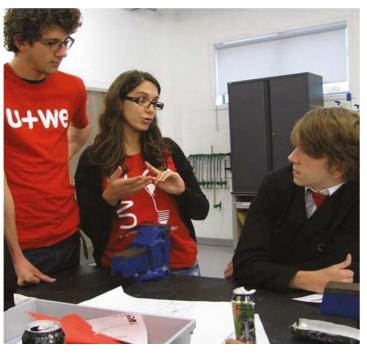
















ENGINEERS WITHOUT BORDERS UWE

Our society is a student-led branch of Engineers without Borders UK. It is aimed at removing barriers to development across the world through engineering solutions. Each year we are involved in a number of projects and events, some of which are detailed below.

PROJECTS

Glastonbury

The organisers of the Glastonbury festival approached UWE and EWB with the idea of helping to support them managing their energy use and transitioning onto greener sources of energy over the coming years. Five of our members will be attending the festival aiming to develop some schemes to improve their energy and water use in the future.

St. Werburgh's

We have recently built a scale model of St. Werburgh's Community centre to aid with fundraising. This has involved numerous site visits, making a 3D computer model and running workshops to laser-cut the pieces.

EVENTS

CAT Centre

In February the committee organised a trip to the Centre for Alternative Technology (CAT) in Machynlleth. We arranged a tour by one of the CAT centre's post graduate architects who spoke about both the architecture and sustainable design and were given a presentation on their 'Zero Carbon Britain' vision.

Outreach

In October EWB ran a wind power workshop at the Bristol Technology and Engineering Academy (BTEA). The workshop helped the next generation of Engineers gain a grasp of wind turbine design and sustainability.

Zero carbon house

We arranged a visit to the Zero Carbon House in Birmingham. The owner gave us a tour and spoke about the innovative sustainable design.

Lecture Series

We are currently in talks with the CIBSE Young Engineers Network (YEN) and the CIBSE regional secretary to arrange a series of events next year on the theme of sustainability.









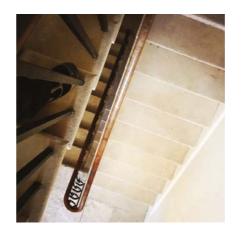






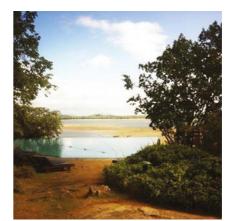












This page shows some of the people we have met, places we have been or activities we have been involved in across the school.

You can find out more about what we do and join the conversation by following us on twitter...

@UWEarch

You may also want to follow our Head of Department, Elena Marco...

@emarco14

or on instgram...

@elenamarco14

You can also follow the built environment part of the department...

@UWEArchBuiltEnv

And look out for other staff members and student groups who also participate.



GRADUATING STUDIO

RCHITECTURE AND PLANNING

The yearlong studio has evolved from a single design project in the Port of Sharpness. The port lies at the end of the Sharpness Canal linking Gloucester to the last navigable stretch of the River Severn. The development sites are remarkable as they lie between Arcadian views into the estuary and the gritty port itself. The generic brief is for an industry with some form of social interaction. At the onset the students were asked to find both an appropriate programme and a suitable site to host their chosen 'industry'.

Our students began the year by analysing the greater area, the port and possible sites, cumulating in the creation of a book for the cohort's use. They then explored possible masterplans through a 'Speed Planning' workshop which led them to propose their own masterplan for the greater context. From that they have chosen an appropriate programme, designed a site diagram to fit their new context and chosen programme, wrote a brief and then, through the second semester, crafted their particular buildings.

The 4th year design, planning, and theory modules have collaborated by sharing the site and curriculum. This promotes the idea of interdisciplinary working and also promotes the idea of the student portfolios becoming truly architectural 'gesamtkunstwerks'.

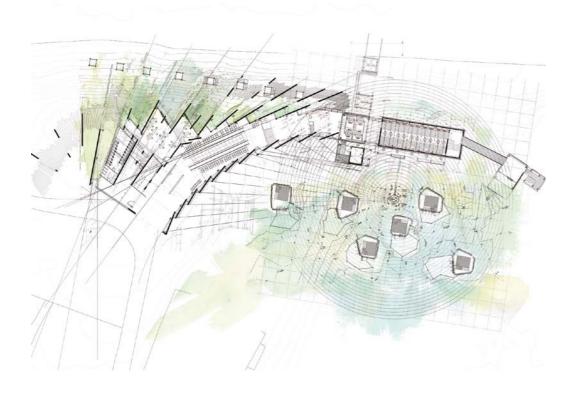
Tactile Ascent

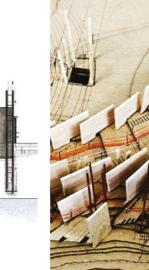
The Entropic Reliquary attempts to harness the force of Oblivion, forgetting, in built form, in order to enrich the experience of those which inhabit the landscape.

The intervention utilises the encroaching entropic force of nature prevalent in the physical and cultural landscape of Sharpness to create, in the same way that memories are created from the raw force of forgetting, a pure spirit: Gin.

Much like a memory, if the architecture it is not maintained, revisited and re-imagined, the building will decay, acting as a powerful engine of entropy, reseeding the landscape.

The Entropic Reliquary forgets its very self.











Adrian Cho Recycling Centre



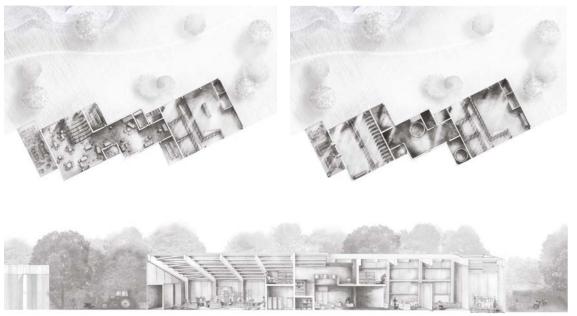


14_ ARCHITECTURE AND PLANNING _15 Re-establishing the Farming Model: Sharpness Farming and Agricultural School

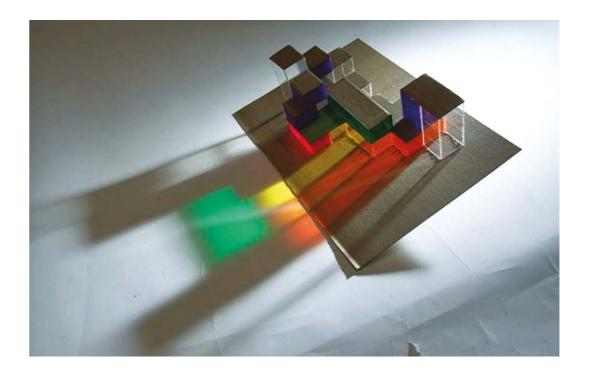
The project was driven by the current popularisation of the contemporary city model, focusing on the youth's rejection of the countryside and the valuations of land.

The narrative to develop an agricultural and farming school within a semi-rural context was introduced, educating those in the traditional and technological aspects of farming. The building was centred around flexibility and adaptability, allowing students to shape their learning environment to suit their needs. Simplicity within the design, allows for complex, inter-linking activities to co-exist within.









Maggie Ewert White Water Centre





Stanley Furniss

Sharpness Crematorium and Woodland burial site









Yannis Hajigeorgis
The Angler's Arsenal:
'End of the line' rod manufacture and craft

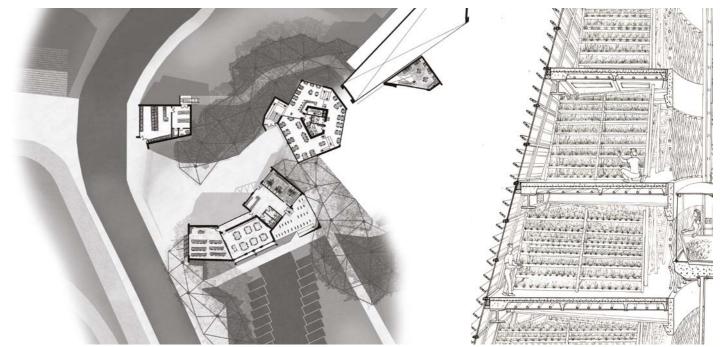






Thomas Harris

Between the Bones - Growing a New Sharpness



ARCHITECTURE AND PLANNING _19



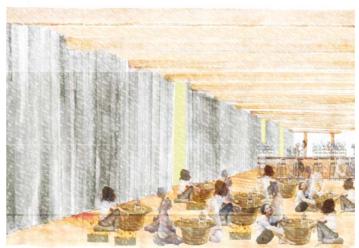
Andy Hedger Sharpness Narrowboat Docks & Timber Yard





Kyle Underwood 'The Retreat' - Drugs and Rehabilitation Centre





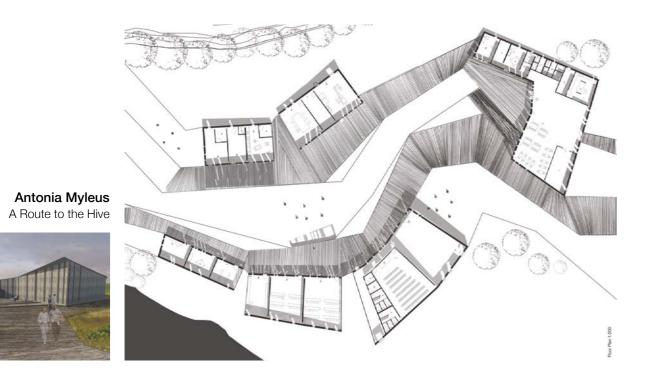
Theophano Polyzogopoulou
The Cider of Hesperides









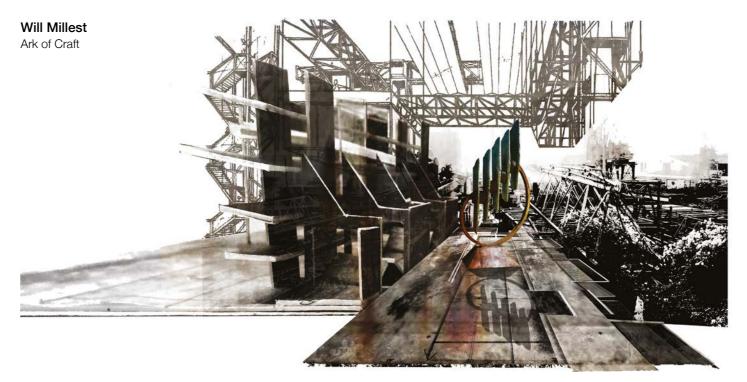




Pou Ian (Agatha) Kong
The argument between nature
and industry

Jeremy Robertson The Boatyard





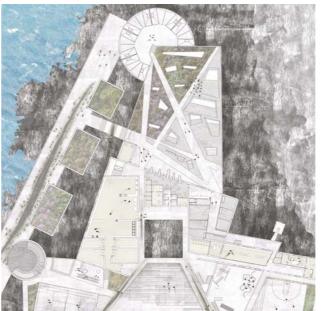
22 _ ARCHITECTURE AND PLANNING _23





Grant WarnerMaster & The Apprentice: "A Metaphorical Quest Into The Architectural Profession"





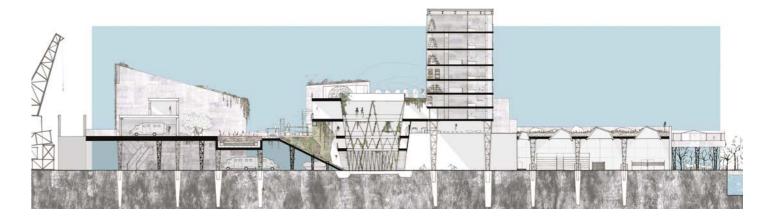
Joe Roberts

The Reparation of Industry: A radically humane approach to prison design

The industrial revolution caused massive disparity of wealth creating deep social problems and redefining the position of the state and state control. Now our industrial era has passed, how can our industrial landscapes give back to the communities they inhabit? This proposal is for an open prison made from redundant industrial material, aiming to redefine prison typology into a more humane environment geared towards rehabilitation.

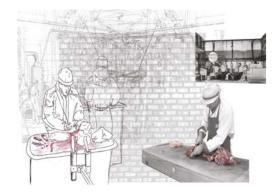
The design proposes an open and sustainable environment where inmates are exposed to ecological and seasonal cycles, work in the community, nurture endangered species, grow their own food in a vertical greenhouse, reduce waste with worms and pigs and collect honey from bee hives on the rooftops. This helps them gain transferable skills and to find within themselves their personal connection to the planet.







Edward Russell Sharpness Public Slaughterhouse







Tunde Oyebode Vindicatrix Centre





Zeynep Sert Sharpness Yacht and Boat Repair Centre





Maria Tzanidaki The Waterways



Ting Hin Vong (Woody)

Data Centre and Lido



Riva Boat Yard Sharpness

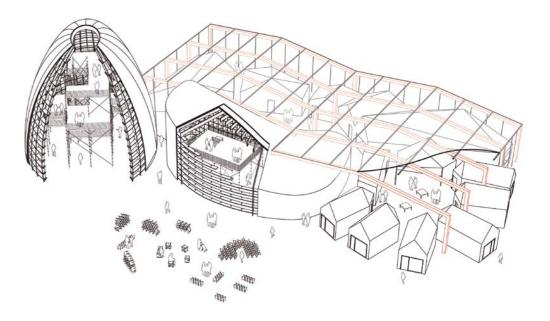


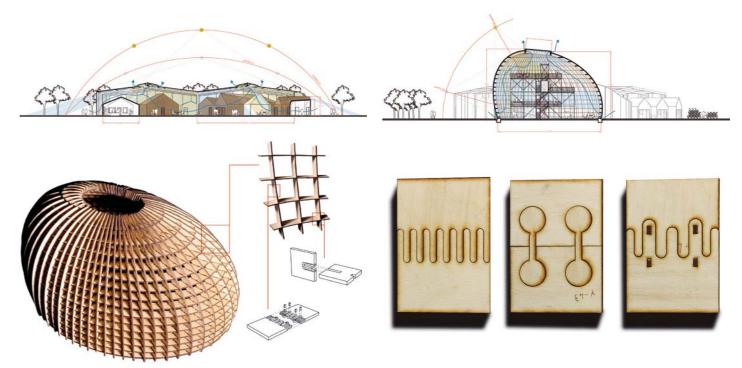
Ben Williams



The building is a Shell where the community can develop their creations. It is a Shell not only in the sense of protection but also of the essential, the essential for 'the commons'.

The building allocates a Fab Lab, a laboratory of digital fabrication for common use. Fab Labs open a way for personal fabrication, they contrast the 'possession of technologies' with the 'share use' and 'the commons'. The building itself is built using the digital fabrication techniques of a Fab Lab. The internal layout (scaffolding) and landscape are mobile and adaptable structures that allow change.







28 _ ARCHITECTURE AND PLANNING _29

Dan Perry

Annus Mirabilis "Wonderful Year"

Medical advances and the modernization of health care have resulted in a perception of death as a failure – as losing the battle. As a result, when a person is faced with a terminal diagnosis they can feel defeated and alone, despite still having months or even years left to live. Medical and charitable services tend to focus on either surviving or dying, but there is little consideration for the stage in between.

The scheme proposed is a place for families who are dealing with a terminal diagnosis and who, whether by choice or because there are no options left, have chosen to stop fighting and focus on the time they have left.









Luke GreenFreshwater Mussel Recovery
Centre



Merrick Baltruschat
The Culinary Institute In The Art
Of Salmon

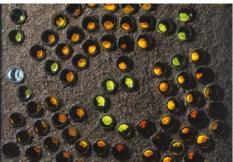






30_ ARCHITECTURE AND PLANNING _31





Brighton Katsande Resource Recovery Centre



Maisie Jenkins Sharpness Tannery: a monument to dirt

'Matter out of place' and a past industry resurrected, Sharpness Tannery transgresses temporality using ancient, unhygienic techniques to produce premium leather from locally sourced hides and 'waste' weeds.

Harnessing the power of the dirty, the ugly and the disgusting, a public route provides a Hegelian supplement in stark contrast to the pure industrial building. Through a phenomenological narrative that confronts dirt by contaminating the purification process, emphasising the value of not only our waste, but nature, past traditions and rich industrial heritage.





GRADUATING STUDIO ARCHITECTURE AND ENVIRONMENTAL ENGINEERING

Connecting the City – Transforming the City

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The BEng(Hons) Architecture and Environmental Engineering studio has worked in a key city centre development at the heart of Bristol. The aim of the project was to influence the sustainable development of Bristol City Centre by carefully retrofitting, repairing and reconnecting two clearly divided city areas, Broadmead and Fountains. The students were asked to develop 'civic minded' projects that will become key in developing Bristol as a walkable city with a unified centre. They developed a piece of city fabric by the careful insertion of an appropriate master plan, buildings and well-considered public spaces, as well as the retrofitting the 1960s office block to Passivhaus standards.

In addition students were asked to develop a detailed environmental engineering strategy with full design of specific systems, ensuring an integrated, coordinated and complete architectural response.

This year, as part of Bristol Green Capital 2015, we teamed up with Bristol City Council and the Passivhaus Trust to transform Bristol into a low energy sustainable space, using Passivhaus standards and principles. The project will be entered into a national competition set by the Passivhaus Trust alongside Nottingham and Hertfordshire Universities.

Special thanks must go to Mark Elton from SustainableBYdesign for bringing his Passivhaus expertise and David Edwards a Software Developer from the Passivhaus Institute for helping the students with their modelling. Finally, thanks to Lafarge Tarmac for their sponsorship and the Passivhaus Trust for giving us the opportunity to participate in this high-profile national competition.

Michaela Mallia

Echoic Remnants_ Concerning Preservation

Musical expression is a reflection of cultural identity. Just as cities preserve art and literature, so should they preserve their musical legacies. Echoic Remnants does just this in three stages.

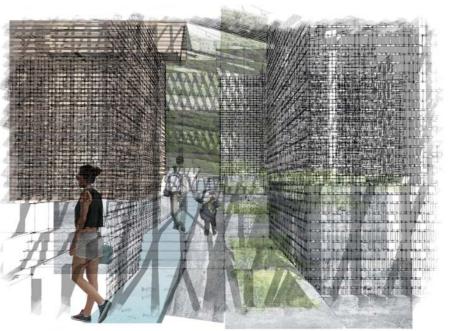
The cafe celebrates Bristol's live music; the fragmented forms and brickwork create a seductive environment, reflecting the ephemeral nature of live music. The concert hall exhibits more formalised musical performances. This mirrored in a gradual unity of form and brick bonds in the facades. Lastly, the museum stands proud as a solid entity, suggesting completeness in preservation; instruments from the epochs of Britain's history are preserved and exhibited for the public, incased in galleries and music chambers which reflect their timbre.

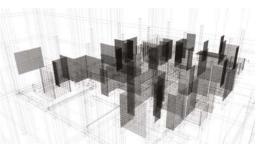




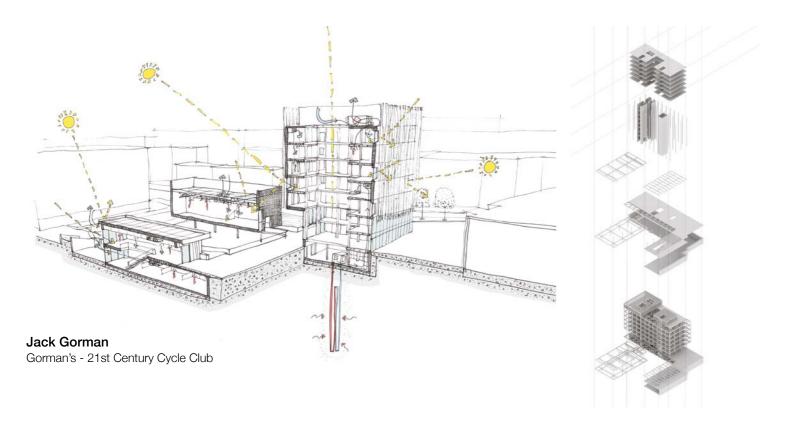






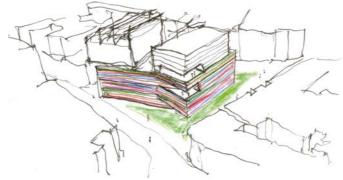


Kareen Cheng
The Edge of Urbanism: The City
Garden



Jack Shaw A Last Place to Play



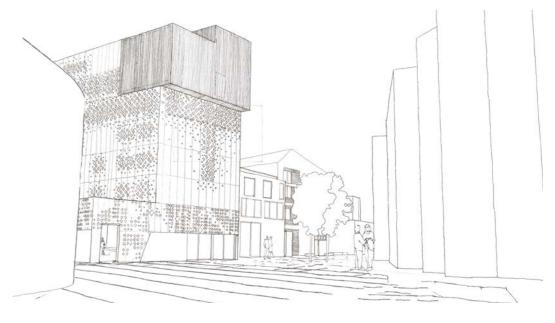


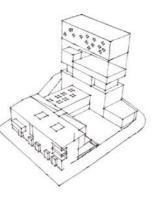
Adnan Fazal

Open Knowledge Centre: Leave A Legacy

The scheme is based around the struggle local "Bristolian" youths face with further education, predominately going into higher education and the preservation of local art and crafts. By using a host of interconnecting spaces, as well as historical links and principles derived from the existing urban fabric, the overarching drive of the project is to revitalise the site and purpose a building that can emerge as a new centrepiece for Bristol.

With this proposal, the intention is to improve the opportunities for young people so they can succeed in education and gain the skills they need to secure employment. This challenges the existing educational system by emphasising the importance of vocational education, practical skills and welfare provision based on the John Dewey Theory of Education and Experience.









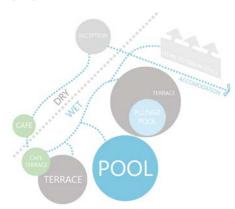
38_ ARCHITECTURE AND ENVIRONMENTAL ENGINEERING _39

Theodore Scaramanga

Water Phenomena

There are many types of cleanliness from physical to spiritual, as the saying goes "cleanliness is close to Godliness". The aim of the spa is to cater for all types of cleanliness and relaxation. These types fall into two main categories, Sanctuary and Indulgence (Apollonian and Dionysian). This is where we have the two halves to the spa. Apollonian being the top half striving to get ever closer to nature and complete spiritual relaxation and Dionysian is the bottom half with a much more personal ambition of indulgence.

This juxtaposition between what is fundamentally order and chaos is also shown through the form of the buildings. This created the two building identities of the Spa and the Mechanical Tower, the solid and void forms.



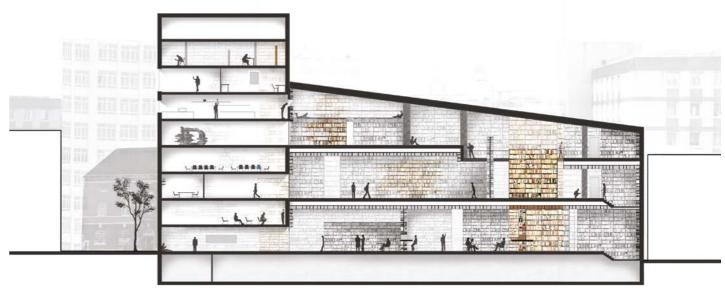








Anna Sturtivant
The Athenaeum



40 _ ARCHITECTURE AND ENVIRONMENTAL ENGINEERING _41

GRADUATING STUDIO ARCHITECTURAL TECHNIOLOGY AND DESIGN

The evolution of architectural forms, or dare we say 'styles', is born out many defining factors with culture and fashion, society and economics, climate and geography, security and self-preservation being just a few. For architecture to be able to respond to these factors it needs something else; it needs the application of technology.

If necessity is the mother of invention then the reverse is equally true. What comes first, the desire to achieve something or the ability to achieve it? For example, it has been said that the history of architecture is the history of the window. Early openings were small, possibly to reduce heat loss, possibly to offer protection from the sun. They were also small because the technology of the age did not allow them to be large. Lintels were wood or stone and as such were limited in span; glass was expensive and could only be produced in small pieces. The limitations of the technology imposed limitations on the architecture. In more recent times we have reinforced concrete lintels and we have ever larger sheets of glass. We are able to form large openings and glaze them against the elements.

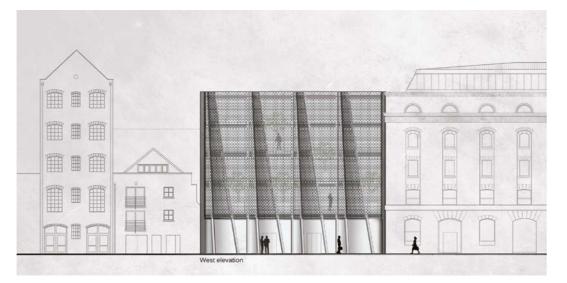
The graduating year of the Architectural, Technology & Design degree is about understanding how technology affects architecture and thus the importance of how that technology is expressed in the task of creating buildings.

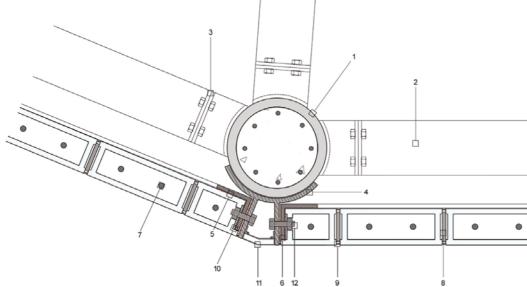
Joe Silver The Building Envelope

The Narrow Quay façade scheme provides the buildings occupants with an intermediary space between internal and external environments. The atrium façade concept was born from a desire to introduce a vertical, 'green' communal space that could be shared by the building's occupants and visitors.

The atrium starts at the first floor and ascends up to the 4th floor with balconies on each level maintaining the connection with the exterior spaces from within. A four story optical glass block façade – starting at the first floor – reflects the rippling effect of the water within the harbour while at the same time bringing shimmering natural light into the 'green' atrium space and beyond into the studio and office spaces within the enclosed building.







GLASS BRICK CASSETTE FIXING

- Circular hollow section composite column 273/25
 Universal steel bearm 304/47x43
 Seel end plaie velocifot DC+5 USB bolled at end plaie.
 Dual laced steel column plaie, velicied
 10x405/6 hubber faced seel angle.
 Cascette housing plass brids bolled back to column plate.

- Steel rebar running through glass brick cassets Rubber insert placed at brick bond locations
- DPM lapped to provide weather proofing

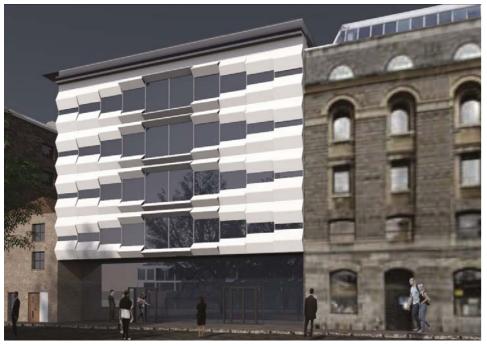


David Ridley The Façade

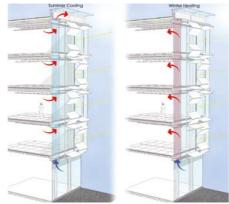


Declan Palmer The Building Envelope - Façade

44 _ ARCHITECTURAL TECHNOLOGY AND DESIGN _45



Steve Brown The Façade



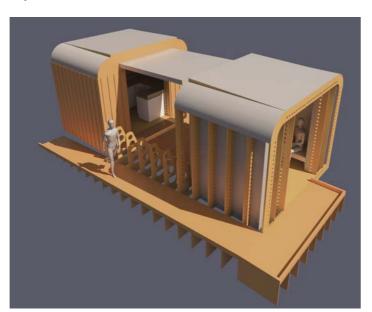
Ryan Chapman
The Building Envelope

Third Floor

Second Floor

First Floor

Peter Cordier Façade and Timber Exhibition Stand



Ground Floor



Alex Miller-Hari Building Envelope

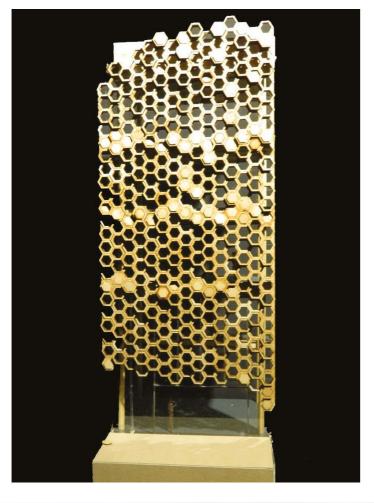
46_ ARCHITECTURAL TECHNOLOGY AND DESIGN _47

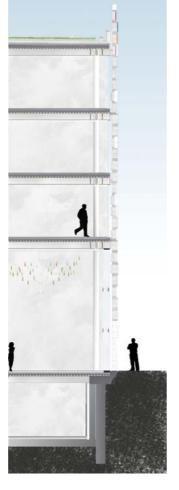
Katie New

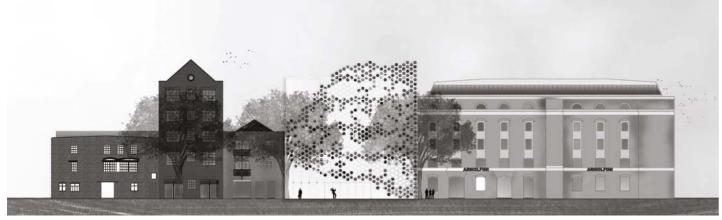
The Building Envelope: 'Giving Back to Nature'

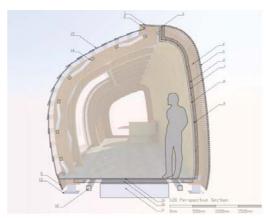
The scheme focuses on how a façade in an urban area can facilitate and house living organisms. The honeycomb structure is used in a similar way to how a bee stores honey: materials are placed and secured within the structure and over time they develop and grow, giving freedom to the living plants and creatures to flourish.

The façade is constructed from glass-fibre reinforced concrete; this is fixed back to the façade using a bespoke triangular steel bracing system. The external envelope is fully glazed to allow natural light to cascade through the façade into the building with openings strategically placed to allow the planted elements to filter the air as it is drawn into the space behind, creating a natural freshness to the internal air quality.









- 1. 25mm External Marine Grade Ply Cladding
- 1. 25mm external Marine Grade Pry Claddi
 2. 1mm Airated Mesh
 3. 300 x 45mm Horizontal Glulam Bracing
 4. 300 x 45mm Glulam Rib

- 5. 25 x 34mm External Treated Western Red Cedar Cladding
- 6.50mm x 555mm Marmox Waterproofing & Insulation Boarding

- 8. 25mm Internal Untreated Red Western Cladding 9. 20mm Timber Battons
- 10. 20mm Engineered Oak Finished Flooring 11. 300 x 1500mm Concrete Plinth
- 12. 100 x 150mm Galvanised Steel Ductwork 13.360 x 170 x 390mm Steel Flitch Plate
- 14 50 x 50mm Aluminium Rox Section
- 15. 12 x 400mm Clear Twin Wall Polycarbonate Cladding 16. 80mm Insulation Boarding 17. 97 x 55mm Bespoke Steel Joist Hanger 18. Styrene Free Resin 19. 15 x 55mm Steel Nut



assembly.

Ashley Dawson

Rack of Ribs' (left)

Kitchen & Refectory - 'The Full

Fourteen Glu-laminated timber

to this temporary kitchen & refectory pod. The envelope

is clad with marine grade ply and overlapping twin walled

in three cassettes to allow it

to be broken down for easy

transportation, delivery and

ribs create the primary structure

polycarbonate to seal it from the elements. The pod is designed

This west facing façade on the Bristol Harbourside receives minimal hours of natural daylight, to maximise this the scheme included a stepped cantilevered structure to eliminate shadowing on the lower levels and operable vertical aluminium louvres to 'catch' and reflect natural daylight further into each floor.







48 ARCHITECTURAL TECHNOLOGY AND DESIGN _49



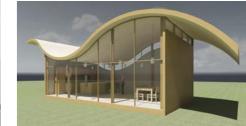
Samuel Hole The Building Envelope



Thomas Gould Façades



Tristan LloydKitchen & Refectory - Building in Engineered Timber





Charlotte Cobbold

Building in Engineered Timber; Kitchen & Refectory

GRADUATING STUDIO INTERIOR ARCHITECTURE

Final year (Year 3) students brought a wide range of skills and analytical methods to bear on their studio work, including decoding film and precedent spaces, text/space relationships and narrative design. Their work for the Arnolfini makes bold proposals for how this art institution can become a more public building with stronger relationships with its urban context, incorporating more legible and accessible interior spaces. Prior to this project, students produced a proposal for Bristol's Architecture Centre, demonstrating how the space can better perform as a flexible exhibition centre with strong links to the Harbourside.

The cultural focus of Year 3 explored ideas of framing, narrative and movement, with a strong emphasis on physical model-making. Second year studio placed more emphasis on the interior installation rather than intervention, focusing on issues concerning human scale, ergonomics, proxemics and temporary insertions. The students' work for Ernst & Young explored the working environment – in particular, the ways in which spaces can be designed to facilitate and encourage creativity and collaboration. This semester-long project was followed by a similar length project through which students proposed how an empty river-side industrial building, awaiting development, might be usefully employed as a temporary exhibition centre. This project, for Cubex, introduces a political edge to the IA programme, demonstrating how society might use its building stock more intensively and creatively.

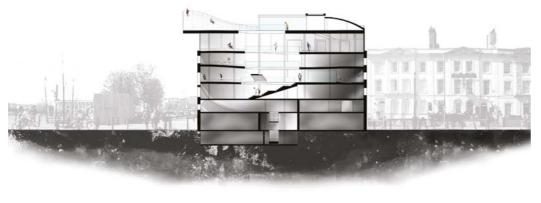
2015 is a significant moment in the life of the IA programme at UWE, as our first cohort of students graduate. Their work, thanks to the generosity of Ernst & Young, features in the annual Free Range exhibition (London, July 2015).

Charles Howe Fox

Landscape as Architecture within the Arnolfini

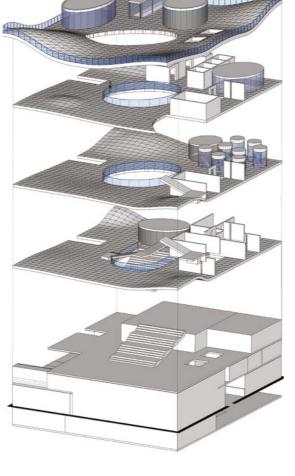
The brief was to re-configure the Arnolfini to accommodate new occupation of UWE Contemporary Arts on the top three floors, bringing a new physicality to the building whilst introducing character to each floor. The concept of the scheme is driven by landscape and topography. Natural forms such as the beach and hillsides attract people to play, socialise or contemplate on these organically inclined surfaces.

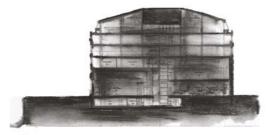
When landscape becomes architecture the interior becomes the landscape, thus the relationship of landscape to architecture it turned inside out. The spatial phenomena of slopes, inclines, lumps and bumps create unique spaces that are stimulating experiences.

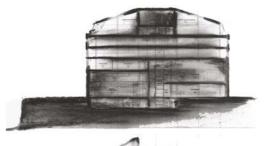


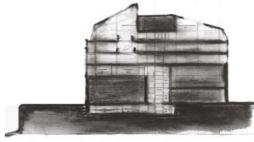












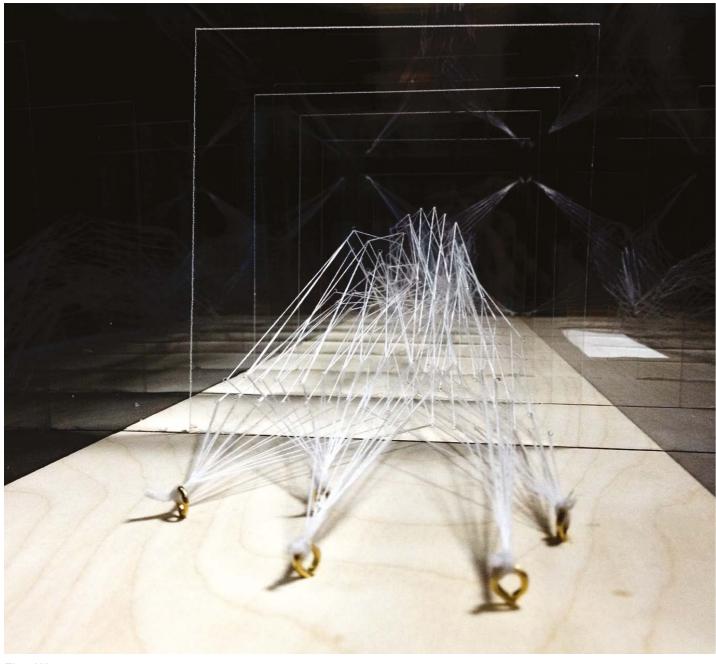
Jubin Bhatia Arnolfini; light, shadow and everything in between











Fion WanFilmic analysis:
Modelling *Blade Runner*

Man Yi YapFilmic analysis:
Modelling *Rear Window*





Lauren Perry Arnolfini and Camera Obscura



56 _ INTERIOR ARCHITECTURE _57





Above: Frankie Pearce (2nd Year) - Experimental Texture

Left: Frankie Pearce (2nd Year) - Finzels Reach

Right: Groupwork Tensile Structure (2nd Year)

BA (HONS) INTERIOR ARCHITECTURE

The programme focuses on the adaptive re-use and re-imagining of existing buildings: contemplating new uses for obsolete or empty spaces, or considering how working buildings can perform more effectively. First year is broadly shared with other architectural programmes, while sharing a study module with Product Design; Years 2 and 3 also share many components with architecture, while focusing on interior-specific design studios and incorporating further modules in Product Design and Conservation. This year (2014/15) design studios have focused on live projects, working closely with clients and site owners: 2nd year students have been working with consultancy firm Ernst & Young and developer Cubex, while 3rd year students have worked closely with the Bristol Architecture Centre and the Arnolfini centre for contemporary art.

IA at UWE Bristol is designed to be an experimental, thought-provoking programme which produces graduates who are intellectually agile, socially responsive and skilled in the crafts of design. This year such an attitude has been further encouraged though specialist workshops in structure, sound/ voice, projection, modelling, depiction and client presentations, as well as through visits to manufacturers and field trips to London and Madrid.



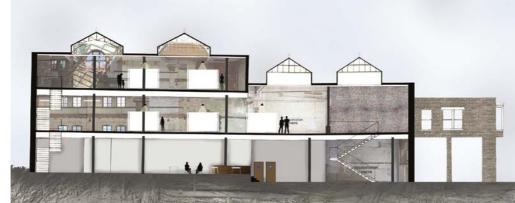




Above: Arabella Gamble (2nd Year) - Finzels Reach

Top Left: Eve Milburn (2nd Year)
- Finzels Reach

Left: Hanna Davies (2nd Year) - Finzels Reach













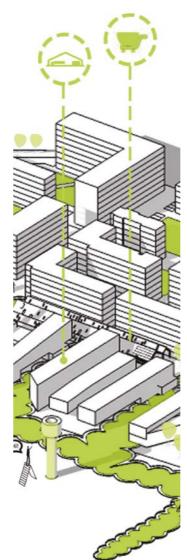
Above: Katie Jago (2nd Year)
- Collaborative Workplace for Ernst & Young

Left: Sophie Smyth (1st Year) - Bristol Cathedral Atmosphere

Below left: Jack Radford (1st Year)
- Woodchester Mansion Detail

60_ INTERIOR ARCHITECTURE _61





URBAN PLANNING DEGREES

Our built and natural environments are pressured place with often competing demands about how they should be used now and in the future. Proposals for investment in homes, jobs and associated infrastructure are seldom out of the news.

Planners are expected to take a lead in managing change by pursuing wideranging agendas that collectively seek to promote successful and sustainable outcomes. While planning is seen as an important force in helping to create value and promote growth it is also seen as being critical in the fight against climate change and the promotion of healthier and more equitable communities across the globe.

The undergraduate and postgraduate programmes in urban planning are reflective of this context and provide a necessary blend of theory and practice through a learning experience that is engaging and collaborative. We seek to include the latest thinking in planning from across the world, yet offer the opportunity for our students to work with local sites and communities through some well-established partnerships.

Planning students undertake study in a wide variety of subjects and topics including 'Healthy and Sustainable Communities', 'Global Cities', 'Practice and Law' and 'Sustainable Urban Design'

The team at UWE Bristol has excellent links with employers and the Royal Town Planning Institute, the professional body for planners.

We offer a number of undergraduate and post-graduate courses in Urban Planning and related subjects. These include:

MSc - URBAN PLANNING

BSc (Hons) / MPLAN - URBAN PLANNING / MASTER OF PLANNING

MSC - URBAN AND RURAL PLANNING (Distance Learning)

BA (Hons) / MPLAN - GEOGRAPHY AND PLANNING

You can find out more about all our courses on the UWE Website.

MArch ARCHITECTUR

The Master of Architecture (MArch) is a design-led master's programme accredited by the RIBA and ARB as Part II towards becoming a Registered Architect in the UK.

The programme aims to educate critically engaged architectural professionals with an ethically responsible attitude towards society, clients, users and the environment. To this end, many of the projects this year have made strong connections to Bristol Green Capital 2015. The early 'Dreams for Bristol' joint project saw students blogging, tweeting and Facebooking their designs to achieve a high-profile media presence. One group even ended up causing a storm in the local papers and on the radio!

This community activist approach is also explored in the first year through an emphasis on live projects. The live project work this year established student work in connection with a wide variety of local and regional partners, further details of which can be found in the 'Live Projects' section of this yearbook. The very 'real' engagement of these projects was followed by a more theoretically driven project, which asked students to explore the relationship between architecture and the body in the design of a dance centre.

In the second year students are able choose between three specialist units exploring: sustainability, conservation and urbanism. These units are each led by specialists in the field, and allow students to work in intimate-sized groups to generate collective knowledge through their individual thesis design projects.

This design work is strongly connected to professional practice modules in first and second year, which begin to prepare students for the Part III course, as well as Cultural Context modules, which help students to establish a theoretical and cultural understanding for their work. The Architectural Representation and Modelling module and the Design Research module prompt students to develop work to be communicated through an exhibition. This year we held a Design Research symposium to launch the exhibition with a number of high profile external speakers.

GRADUATING STUDIO

URBANISM UNIT STUDIO LEADER - DR. LOUIS RICE

The MArch Urbanism Unit analyses the production of cities; how urban space is created, modified, destroyed and (re)produced. Urban space is not a neutral backdrop within which society operates, but actively constitutes, constrains and enables society. Architecture shapes our cities; transformed through migration, technology and globalisation at an unprecedented speed and scale. At the heart of this socio-urban production are issues of power, culture, identity and knowledge. The unit creatively explores how urban space/society might respond to these issues for the contemporary city.

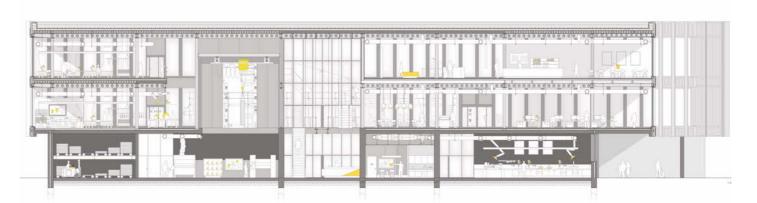
By the middle of this century, the majority of the world's urban population will be housed in informal cities. The scale of this new development is breathtaking, each year, it is the equivalent of building a city the combined size of London, Paris, Rome, New York, Tokyo, Beijing and Sydney. The emergence of informal cities has also coincided with a change in attitudes to self-build, bottom-up processes of architectural/urban production in 'developed' countries. Government policies are changing towards greater promotion of self-build, community-build, collective-build, 3D digital printing techniques and other alternative forms of architectural production. What lessons can be shared between these domains; and how might an architecture of informality manifest itself?

Perhaps central to all of the issues raised by the design and production of architecture, cities and the public realm is the role of design (and hence of the designer). To what end should our designs be targeted; what actions do we hope will be the consequence of our designs; who will benefit from the design? In understanding the city as process rather than city as a product; what would such processual architectures generate?

Ester Corti

Bristol Copper Cooperative



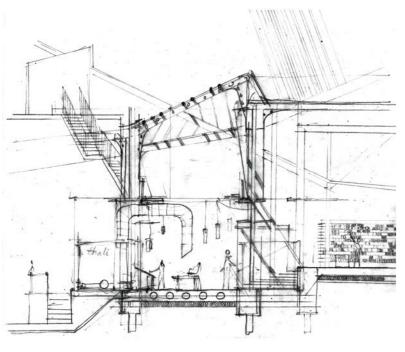


Andrew Mitchell

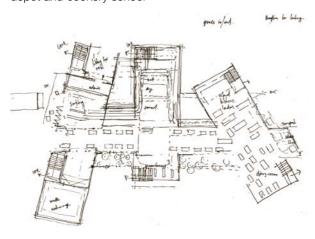
The Print Works

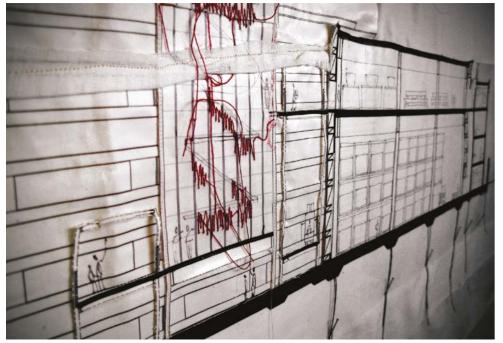
MArch URBANISM UNIT _67

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Patrick Fallon 'The Gleanery' Foodwaste depot and cookery school





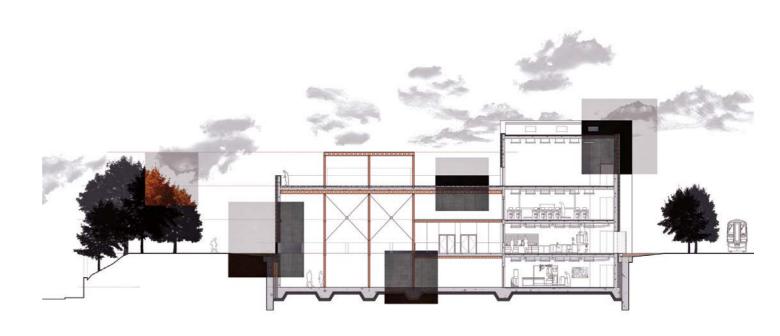
Sophie Jarzebowski Textile (re)Manufactory



Matthew Spencer-Small The Data Platform

The scheme explores the question of how an existing city can be made smarter through the use of pervasive digital technologies. It aims to bring together people from all parts of the city; from professionals to the public, and local government to hackers, enabling them to collect the vast amount of data created by Bristol. This is can then be openly researched by all user groups to develop new technologies and applications, in the hope that overtime, the city can become more democratic, efficient and open source.





68 _ MArch URBANISM UNIT _69



Toby SmithNew Situation: Bristol Institute
for Minor Art











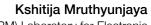
Alex Steenfeldt
The Biohacker's Club: Bristol
Centre for Open Science

70_ MArch URBANISM UNIT _71

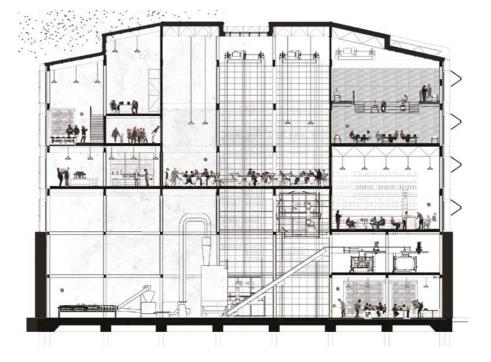
Lindsay Iles

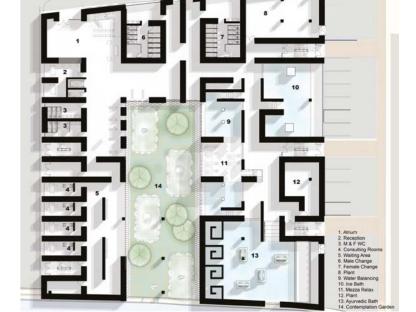
The {RE} Fashion Atelier.





(LERM) Laboratory for Electronic Waste Recycling and Making





Abdulhaq Randera

Fusion Alternative Healthcare Centre

GRADUATING STUDIO

SUSTAINABILITY CONT. LIVE WORK MAKE STUDIO LEADER - CRAIG WHITE (WHITE DESIGN)

The curriculum of the MArch Sustainability Studio has used the theme of Live Work Make.

The UK has failed to meet the demand for housing for a decade. In 2013, for example, less than half the demand was built. This market failure has its roots in the financial crash of 2008. The price of housing has now risen to the point where access to home ownership is out of the reach of the young and those on low wages. At the same time, as we move deeper into the first part of the 21st century and globalisation transitions into its post expansion phase, there exists new and emerging problems as well as opportunities for how we might use material resources to make the things we need.

Today, we are at the start of a new revolution, the combination of the digital with the physical to perhaps 'publish' the things we make, whether they are smart phones, furniture or the homes we live in. The technologies that allow us make things are reducing in size and increasing in sophistication to the point where we can now desktop-make some of the things we need. Live Work Make explores how a combination of the making of communities, the proposed Custom Build agenda for homes and the things we need to live in them could now be combined to deliver a new form of sustainable development.

Josh Wood

Maker Colony





Sam Clough Knowle West Cycletopia









James Eyres

MakerHUB - A Growing Artisan Community

MakerHUB provides a critique of the way that we live, work and educate as a society today and calls for a more open and collaborative approach which preferences experiential and creative learning. Situated in Knowle West, one of Bristol's most deprived wards, the scheme has aimed to provide a community resource that will improve the skills of the area as well as offering innovative ways of producing affordable and diverse housing solutions through custom and self build methods.







The Gateway: a symbiotic relationship between architecture and education

76 _ MArch SUSTAINABILITY UNIT _77

Nick Shaw Guild House





Rose Moreton
The Refectory at Novers Park
Symbiotic Community



James Bryan Knowle West Urban Centre



78 _ MArch SUSTAINABILITY UNIT _79

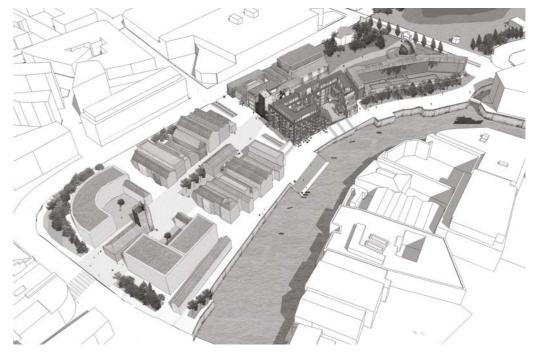
GRADUATING STUDIO CONSERVATION UNIT STUDIO LEADER - JOHN COMPARELLI

The curriculum of the MArch Conservation Studio was set up to give each of its students the opportunity to develop a personal attitude towards conservation in the built environment. This overarching ambition was tested in the first semester with three 'competition proposals' of varying scale.

The first of these was the redevelopment of a Gasometer and site in Salisbury. This is a 'live' and contentious project with stakeholders taking opposite views (conserve or erase) in the proposed redevelopment. We put ourselves in the middle of this arena. To promote a broader conversation the Salisbury Civic Society recently presented the best of these 'sketch' schemes to the city. The second and most popular site we looked at re-inhabiting was the 'Watergate' tower within the ruinous, waterfront wall of medieval Southampton. The site, once the gateway to the city, is now oddly in an urban void between a gentrifying waterfront and a post war, relocated civic centre to the north. Unwittingly we again found ourselves in the centre of a live project with keen interest from the council's archeologist on how the students might bring life back into the old town.

The third, biggest and perhaps ubiquitous of the proposals was to propose a development strategy for Bristol's Castle Park. Regardless of the city's reticence to lose any of its park the students relished the opportunity to develop their nascent views on building conservation in a reimagined Castle Park. Happily for Bristol most of these projects managed to keep the precious park while repairing the urban fabric.

The most 'profitable' of these sketch schemes were brought forward into the second semester for a suite of buildings to be developed and the student's particular position to be sharpened.

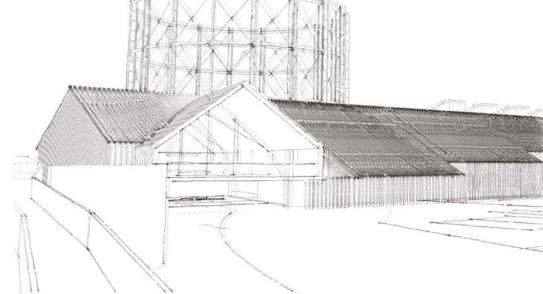


Louise Priestman 'Sovereign Village' - Mixed-Use Development



Fred Hamer New Sarum Hatchery





Huw Rettie

Watergate Quarter - Wine, Dine & Venue



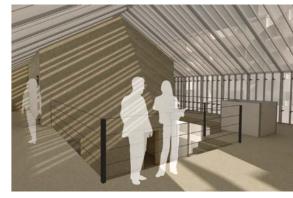


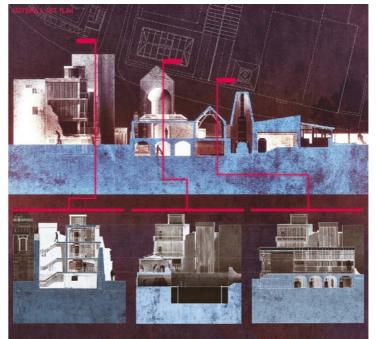


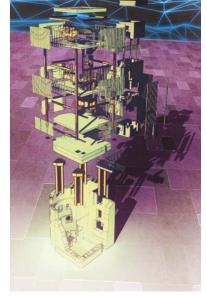
Jonathan Wendzina Fisherman's Horizon



Catharine Sullivan
Reviving The Ruins



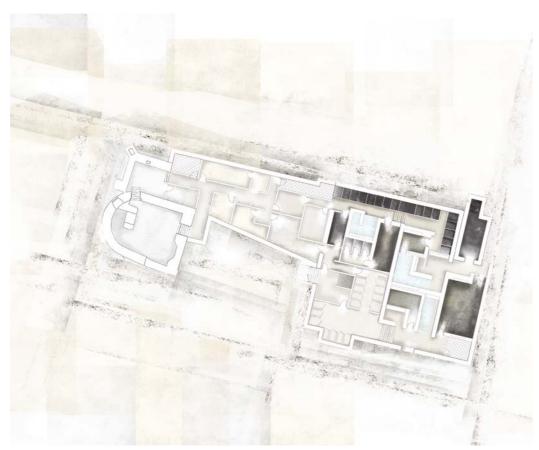




Christian Montez 'Mariner's Revenge'; Moonshine Distillery(s)

MArch CONSERVATION UNIT _83





Sally Wylde Reviving the Spa

In the Georgian Era,
Southampton was a fashionable
spa town, due to the discovery
of a spring, in Hampshire.
Southampton was also a popular
destination for sea bathers,
creating baths filled with the flow
from the tide. Royal patronage
was granted to the historic spa
gardens in Southampton, which
helped aided prosperity and
development, of the town.

The baths made Southampton a popular UK destination. This is the aim of the proposal at the Water Gate site, creating a spa revival. This is proposed in the form a complex, working in conjunction with the hotel, to create a facility for both the community, tourists and hotels guests, to encourage activity and focus, and create a relationship with the rest of Southampton.



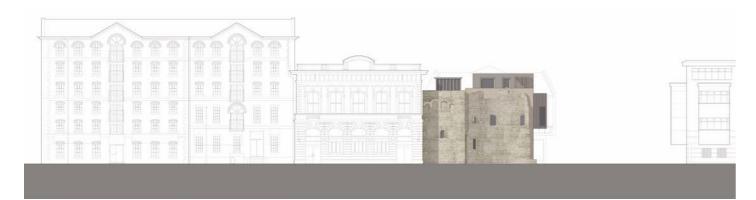
Daniel Badcock Social Olfactory





MArch CONSERVATION UNIT _85





Emily MorrisThe Connoisseur's Tower



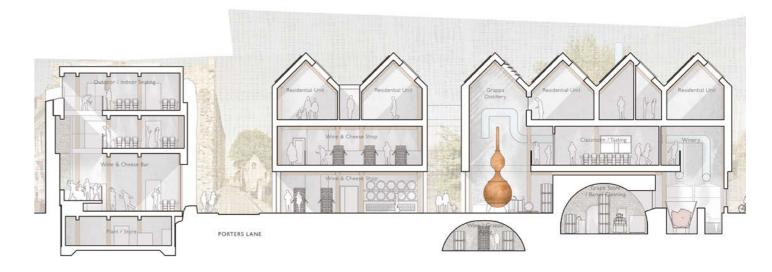




Andrew Sutton
Splice the Mainbrace



David McNicol
The Public Wine Project



MArch CONSERVATION UNIT _87









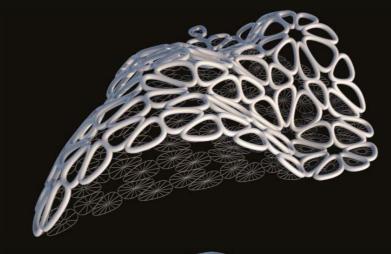




DDRU: DIGITAL DESIGN RESEARCH UNIT

This year saw the introduction of the DDRU (Digital Design Research Unit), which in its pilot year involved five Year 2 BSc Architecture students. This extracurricular project developed computational ways of thinking and working using Rhino, Grasshopper and associated plug-ins to test and develop a full-scale pavilion.

Find out more at: http://ddru-uwe.tumblr.com/





Students:
Raymonde Bieler
Samantha Hayes
Kyle Koops,
Iulia Lichwar
Luzia Olivier Brand



BSc (HONS) ARCHITECTURE

The BSc(Hons) Architecture degree celebrated its first Year 2 cohort in 2014-15. The year saw a successful RIBA exploratory board awarding candidate status and ARB prescription for the course.

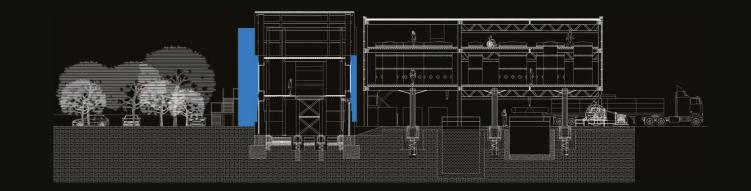
All second year studio projects were set in Fowey, Cornwall, a harbour town on the south coast of England, busy in summer and desolate in winter. This tourism driven transitory condition gave the students a difficult task to research and design within. The term started with a field trip project to undertake detailed site 'analysis' which culminated in a collective graphic publication as a shared resource for project development over the year.

The first design project 'Twilight Homes' was set on a steeply sloping site on the edge of the Estuary developed into a series of domestic properties for retired couples. The project brief responded to the 'Market Chain Effect' in real estate by providing homes for an energetic, socially active retired demographic whose family homes have become too large, in turn allowing first time buyers onto the property ladder at the other end of the market.

The second and largest design project of the year 'China Clay Paper-works' sought to take advantage of the quarry north of the town by refurbishing and extending an existing derelict site. The old station masters house was transformed into an industrial paper making facility and visitor centre, using china clay as an additive to fine papermaking. The students were tasked with dealing with the relationship of new and old, conservation, long span structures and the public and private sides of an industrial process.

Above: Milea Williams (2nd Year)
- China Clay plan

Below: Kyle Koops (2nd Year)
- China Clay section





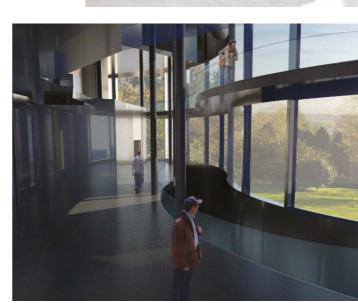


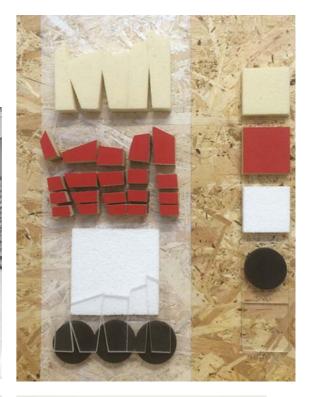


Above: Athena Gaskin (2nd Year)
- China Clay elevation and section

Left: Oliver Flexman (2nd Year)
- Twilight Homes site plan









Top Left: Tara Saxby (2nd Year) - Twilight Homes site model

Top Right: Iulia Lichwar (2nd Year) - China Clay concept response models

Above Left: Tara Saxby (2nd Year) - China Clay interior render

Above Right: Iulia Lichwar (2nd Year) - Twilight Homes 3d render

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LIVE PROJECTS

At UWE Bristol both students and tutors love being involved in live projects.

Every year as part of the Masters in Architecture we run a series of 'live' projects where students work with local community groups, charities and not for profit organisations to undertake a piece of architectural work. Our input can range from design feasibility studies that can help with funding bids to hands-on construction work. Its very important for us that the project is 'real' - in that students do actually undertake some work that is useful to our clients and community groups.

However our involvement does not stop there. Every year numerous projects are initiated at both undergraduate and postgraduate level. The selection on the following pages shows the extent of the projects that we have been involved in this year. Over this summer we will be progressing and developing more live projects with the Architecture Centre, tangentfield, Centrespace studios and 'Making Lewes'.

This year we have also collaborated with The Architecture Centre in Bristol. Our collaborations continue to prove both great fun and a chance to connect with the city and architecture enthusiasts of all ages.

Highlights this year include:

- Bristol Green Capital; kicking off as we go to print with the theme of Food look out for our events and exhibitions from us throughout this special year.
- Shape My City a youth participation project; this year with the development of a new design and make project; watch this space!
- Urban wanderings in the Dings; a history tour and sharing of new ideas.

These projects and more can be found on our live project website.

www.hands-on-bristol.co.uk

Come and join us!

HILLITITITITITE

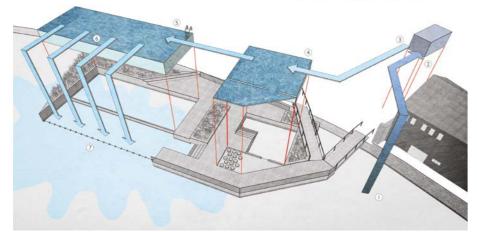
REDCLIFFE WHARF HARBOUR SWIMMING POOL (IN COLLABORATION WITH NUDGE GROUP AND CLEARWATER REVIVAL)

The brief was an unprecedented opportunity to play a part in Bristol's future as part of Green Capital 2015 and to create the most iconic landscape that the City has seen for a generation.

The design of a floating swimming pool in Bristol's floating harbour. The pool design would be constructed from a series of pontoons, based on a prototype design which could be constructed on site by the local community. The series of pools would also be filtrated by a water treatment system devised in collaboration with Clearwater Revival.



- Pool water overflows back into the harbour
- Water from pool gradually cleans the harbour water

















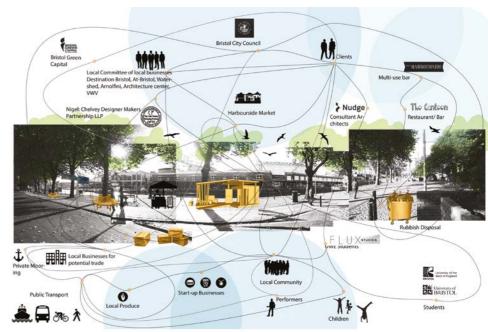


APPROACHING THE THRESHOLD









NARROW QUAY MARKETS

This 'live' project worked closely with the Harbourside Market group to establish a design proposal for the expansion of the existing Harbourside market.

The market at current is located along the Waterfront and turns the corner to occupy cascading steps. They have aspirations to expand the market so that a loop route is created, populating an area of Narrow Quay, allowing people to utilise Pero's Bridge in order to create this 'looped' market. To this end the project proposed three permanent sustainable market stalls.



94 LIVE PROJECTS 95

Steph Austin Anna Basso de Marc Tom Barker Andy Murphy Luke Smith









BEDMINSTER TOWN TEAM HIGH STREET REGENERATION (IN COLLABORATION WITH THE BEDMINSTER TOWN TEAM)

Bedminster Town Team seeks to improve conditions for local businesses in order to benefit local residents. The aim of this project was to create vibrant public spaces and platforms for events within designated streets in order to empower the pedestrian and inspire the people of East Street to live as a community.

Students ran a series of community events and developed final proposals for an organic and synthetic landscape for two designated streets.





BRISTOL TEXTILE RECYCLING

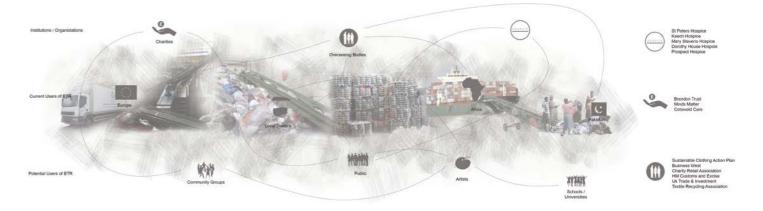
Students worked with Bristol Textile Recyclers (BTR), a family owned company who collect unwanted textiles/clothes, shoes, handbags and bric-a-brac items from over 300 different sites within the UK. The brief required an investigation into the use of textile as part of an installation piece (designing and making a textile bench), before consideration of the factory processes and facilities.

The result was a curved 'bench' weighing 125kg, which is the amount of textiles that comes through the doors to BTR every 3 minutes. The bench was presented at the opening of the Phoenix café in Bristol.







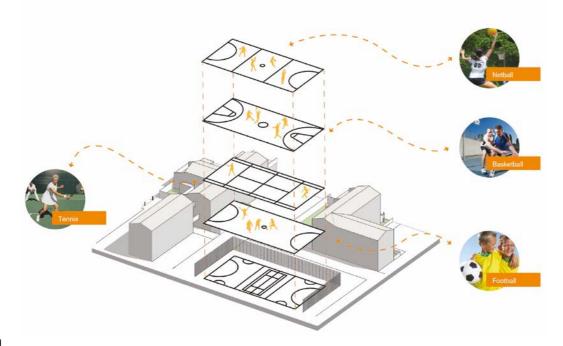


96_ LIVE PROJECTS _97

PILLGWENLLY REGENERATION PROJECT NEWPORT, SOUTH WALES

This project was in collaboration with Newport City Homes and aimed to regenerate a disused basketball court (known as 'the cage') at the heart of the housing estate. Through an extensive and creative consultation process with local stakeholders and the community students were able to produce proposals for the social, economic and physical development of the project.

The key ideas presented included the conversion of surrounding garages to provide accommodation for community clubs and events, to be managed by a locally appointed neighborhood board. The plans would take ownership of the space, decreasing antisocial behaviour and enriching the lives of those in the local area.





FESTIVAL OF NATURE

This project focused on the Festival of Nature, part of Bristol Green Week. A space within the festival was designated to the collective Bristol Re-Use group which includes numerous organisations based in Bristol, that focus and promote the idea of re-use as an alternative to recycle.

Our task within the project was to organise the festival stand layout, planning the marquee and ensuring that each organisation demonstrate their work strongly within the festival, with the underlying interest of encouraging re-use with the general public. Through an alternative way of demonstrating their work, the marquee was planned around the house. Creating a space that is interactive and encourages public participation to get involved and have a better understanding of how they can 're-use' their home.







98_ LIVE PROJECTS _99

WORKSHOP HOLZBAU

Three UWE students, Sophie Jarzebowski, Lee Bartholomew and Suner Syuleyman and tutor Sally Daniels, visited Trondheim, Norway to participate in the design and make event, Workshop Holzbau, with Norway's Trondheim School of Architecture (NTNU).

NTNU has a well established student-lead live project element; currently through their 'studio beta' project office. The three volunteer students spent two intensely productive weeks on 'Workshop Holzbau' with their Norwegian hosts designing, fabricating and installing a new connection between Kjopmannsgata upper and lower as part of the Holzbau Nordic conference.

Check out the podcasts on the 'hands-on' website for some reflections on the experience. We hope to invite 'studio beta' back to Bristol soon for a carpentry crane building challenge in the city.







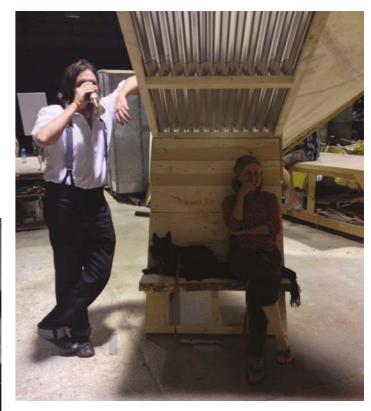
MAKING LEWES

Making Lewes is a new, Sussex-based, annual festival of making, architecture, and sustainable design. UWE sponsored a small team of students to participate in Making Lewes 2014.

Some great talks, exhibitions, forestry visits and films provided an inspiring backdrop and fuelled a mini design-and-make challenge; four days to define, invent, design and make a prototype 'kinship' for the Lewes community. We hope to be back there again this summer.

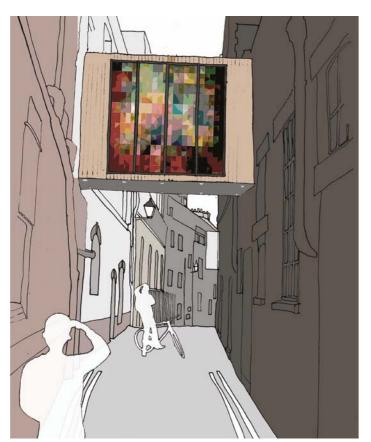








100 LIVE PROJECTS 101

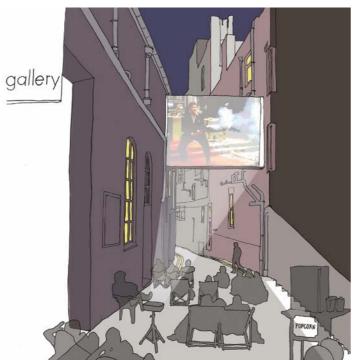


BRISTOL OLD CITY

Through architectural collaborative practice 'tangentfield', the Old City Traders Forum and the (soon to hopefully be the city's next) BID [Business Improvement District] we continue to monitor and develop new neighbourhood initiatives in the Old City.

- The 'liven up leonard lane' project continued this year with the Centrespace [design cooperative] bridge project. This featured design development from a UWE MArch team and preparation or funding applications to create this new 'openmicro studio' in the heart of the Old City.
- The walled City walking map, now in its second print, with collectable letterpresses postcards, is proving a successful project and beginning to attract more new projects and partners.

Our students will continue to work alongside the cooperative to design, assist, monitor and help build.

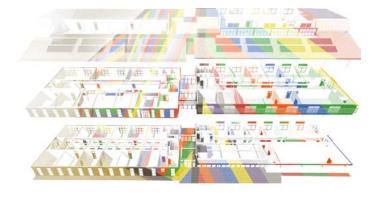




UWE Bristol End of Year Show showcases and celebrates new talent, with students sharing their work with friends. family, the general public and potential employers, providing inspiration for all who attend.

The project brief was to design and 'zone' of the End of Year Exhibition in which around five hundred students of the Faculty of Environment & Technology will be participating and displaying work. Our vision for this project was to celebrate the momentous achievement of hardworking UWE students with an inspiring display of creative and intellectual work. As well as focusing on the benefits for students, the end of year show will also be great publicity for the University - showcasing the huge scope of work that the faculty enables their students to produce over the year. A variety of departments were considered throughout the design process as well as regular meetings between Faculty members and students of other departments.

The clients primary concern was to cost effectively create a means of representation that will help the students present but also allow the department to store and relocate around the building as well as move it to a later London Exhibition.









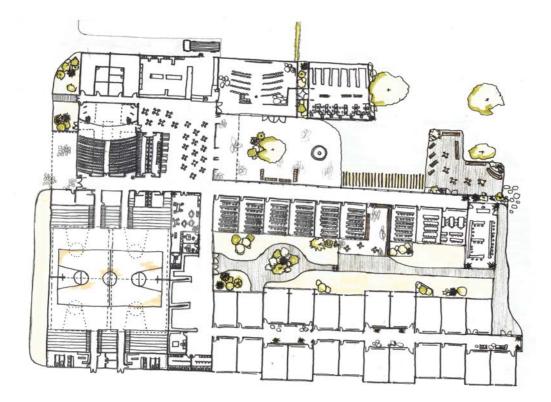
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THE SC INTERNATIONAL DESIGN & BUILD COMPETITION

UWE Bristol, in collaboration with the University of South Australia have come third in their category at the Region V International Design and Build Competition in Dallas, Texas.

The team consisting of three students from UWE - Matthew Lane and Oliver Lovegrove studying on the CPM Programme and James Dorey on the Architecture and Planning course teamed up with three students from UniSA to answer a request to design, cost and programme a secondary school in 16 hours. Our team were the only one who didn't have local knowledge, ie no USA team members - a first in the history of the competition.

The team had two tutor coaches, Mark Shelbourn and Louis Rice, who personally commended the team for their achievements under such pressured conditions.





COMPETITIONS

Every year our students have some amazing opportunities to get involved in projects and competitions all over the world.

This academic year we sent three students to Northern China to partake in the 2nd Sino-UK Higher Education Collaboration and a team involving a UWE stduent came home with the first prize. The competition was a great learning experience for all of those involved and many friendships were formed during the 2 1/2 week workshop.

Another overseas trip involved three students from the Department of Architecture and the Built Environment taking part in a workshop in Texas, USA. The team, partnered with University of South Australia did fantastically well to bring home the third prize in a stiff competition under heavy time pressure.

Lastly, a team led by Graduate Tutor, Matt Hynam was Highly Commended in their competition entry based around W.B Yeat's 150 birthday. This was a great collaborative effort bringing together students from different year groups and even a graduate from last years cohort.

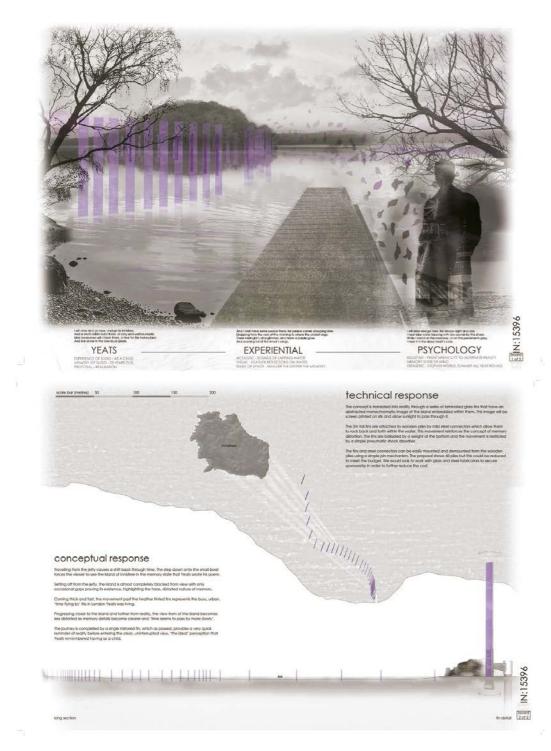
Look out for more UWE Bristol successes in the near future...

UWE CREATIVE LEAP COLLECTIVE

Past and present UWE students united together under the title of the Creative Leap! Collective to take part in an international competition for the poet W.B Yeats's 150th birthday. The response to the competition by the students was to design an intervention which altered the perception of the Isle whilst travelling to it from the jetty. Travelling from the jetty causes a shift back through time. The step down onto the small boat forces the viewer to see the island in the memory state that Yeats wrote his poem the Lake Isle Innisfree.

The entry was Highly Commended by the judging panel for its creative response to the brief.

The participants were Julia Arska, Paul Cooper, Ben Hackland, Matt Hynam, Matt Ryall, Quadri Shogunle, Haolin Wang and Harry Westwood.













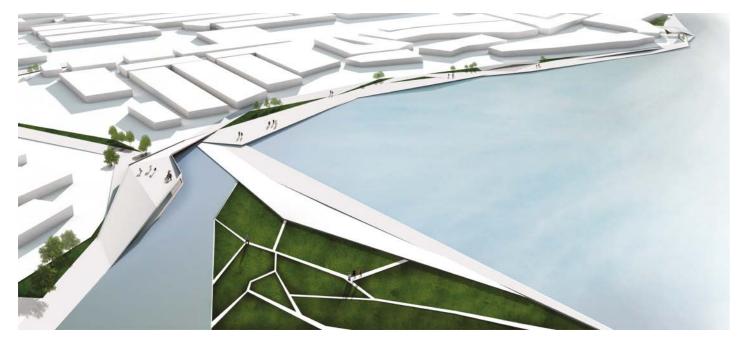
SINO-UK HIGHER EDUCATION COLLABORATION

Three UWE Bristol architecture students, Michaella Mallia, Theo Scaramanga and Grant Warner and tutor Jonathan Bassindale went to Harbin, a city in North-East China, to take part in the two and a half week Sino-UK Higher Education Collaboration on Architecture Design which was organised by the British Council and The Architectural Society of China.

The workshop, which took place at the prestigious Harbin Institute of Technology, involved the collaboration of three UK Universities and six Chinese Universities working on an urban design project for a new central station and surrounding area. Theo's team was awarded the first prize.

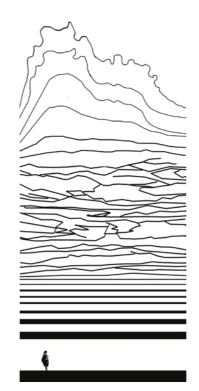
We have also hosted a return visit from the six Chinese Universities.

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Above and top left: Antonia Myleus

Far left: Simona Rau

Near left: Josh Corfield

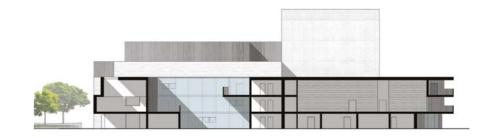
Right: Clara Maseda Juan

ERASMUS EXCHANGE PROGRAMME & SCIENCE WITHOUT BORDERS

Every year fifty students or so are involved in the Department's international learning programmes. We welcome many students from abroad and many of our students spend a year outside the UK at our partner universities in Hannover, Nijmegen, Tours, Paris, Alicante, Milan and Bologna. Over the last year we have added two more partners to this network from Istanbul in Turkey and Detmold in Germany. As well as welcoming students from Europe on exchange we also host students of architecture and interior architecture from Brazil who are studying here on their government's Ciência sem Fronteiras - Science without Borders programme.

When abroad our students participate in innovative studios dealing with design issues at a wide range of scales from the wider urban scale to very detailed technical levels of resolution. They participate in study visits and of course use the opportunity to become confident in foreign languages and other cultural contexts. Students who come to our Department are often involved in the third year architecture and design studio working closely with our staff and students to understand design through different eyes to develop a new set of design skills. This year they have been involved in master-planning for the dockyard at Sharpness as well as landscaping and designing a bathhouse in the centre of Bristol. The students also use their time here to explore Britain and to take part in a variety of study visits with our students.

The exchange programme is open to students of Architecture & Planning and Interior Architecture and as it develops even further it will become open to all students in the Department; and it will also expand its network of partner universities.



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CONTRIBUTORS AND THANKS

We would like to thank everybody who has been involved in the production of this yearbook.

We would also like to thank all of the Associate Lecturers, visiting speakers and reviewers who help make our department a great learning environment for our students.

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