



2009-2010

architecture  SPACE



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Design Studio Catalogue 2009 - 2010

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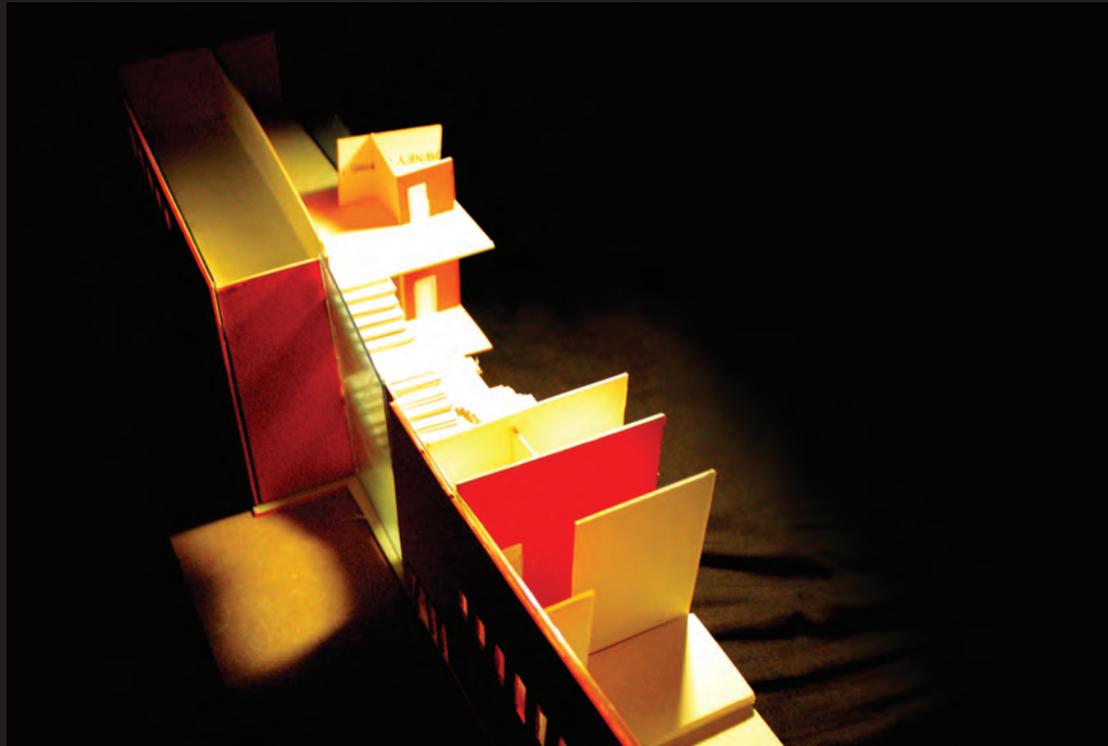
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Architecture

School of Architecture, Planning and Civil Engineering

Queen's University Belfast



Architecture at Queen's

Queen's University has offered degrees in architecture since 1965 when the Department of Architecture was founded within the Faculty of Applied Science and Technology. Building upon its extended history and excellence, architectural education in the School of Planning, Architecture and Civil Engineering has a longstanding tradition in advancing and teaching interdisciplinary design with emphasis on technology and culture. The curriculum recognises and addresses the increasing complexity of architectural education and practice given the needs of an ever-changing society. It also approaches topical issues by encouraging creativity, teamwork and critical thinking.

End of year is a time to evaluate, reflect, and speculate. Architecture at Queen's has undergone significant change in the last few years. Despite the wider economic gloom, we are facing the future with some confidence – certain of our relevance to a society whose identity is itself rapidly evolving. Queen's University Belfast has a critical role in that wider societal discussion, and understands architecture as a significant platform to inform cultural change within Northern Ireland. The devolution of planning in Northern Ireland and the increased public awareness and expectation of buildings and spaces sets a challenging scene for a revitalised School of Architecture.

Architecture at Queen's contributes to the debate, shaping and facilitating of the future development and environment of this unique region, and aims to communicate what we do to the widest of audiences. Street Society, a collaboration between this year's BSc1 and MArch1 and external bodies and groups is but one example of how we are able to enhance regional ambition and potential. Our growing internationalisation is reflected in the staff and student body, and our increased profile reflected in various recent initiatives; hosting the 2011 AHRA conference, new staff and student exchange with Technical University Munich, the renowned architectural thinker and writer Juhani Pallasmaa's lecture in Queen's, and success in the European Student Concrete competition. The high quality and innovation of our learning and teaching has been acknowledged this year with Stage 1 of our BSc receiving our second teaching award. Our staff continue to publish widely on Irish architecture, its history and current trends, and our research base is gaining momentum.

This year has seen our students arrange a varied and well-attended ARCSOC lecture series, which included contributions from David Kohn, Fielden Clegg Bradley, Roz Barr and Seamus Lennon of Sergison Bates Architects. Our students also took more initiative this year by publishing the first QUB student architectural journal. The contribution of visiting practitioners and academics is an essential way to inform and review our activities; through lectures, seminars, workshops, design reviews and the professional liaison committee.

Architectural education becomes even more relevant and critical at a time of reduced resources. Architecture at Queen's is now resourced and poised to lead the discussion of both the discipline and profession of architecture within this evolving cultural landscape.

Never was the challenge so great!



BSc in Architecture



The Undergraduate Course in Architecture is organised on a year basis. Stage 1 is pedagogically structured to address the transition between school and university. It explicitly marries the development of skills (which include graphic, design, written, verbal, thinking, self-evaluation, group working) to continued practice. The aim is to map skill levels as quickly as possible to students' intellectual and conceptual abilities. Architecturally, the concepts of Volume and Context are emphasised and students experiment with how programme, materiality and form impacts on these concepts. Stage 2 focuses again on Context, where initially rural projects are offered but students are gradually exposed to the complexity of the urban context. Stage 2 concentrates on Technology as a design generator and not as an 'add on', at the cost of design quality. This is hard territory to occupy in architectural education generally, but at Queen's we continue to build successfully on a pragmatic philosophy that has existed in architecture over many years. Stage 3 is recognised as both an end point and a beginning. It asks students to deliver completed, resolved proposals whilst starting to address the bigger agenda of architecture and / in / of the city and of their own developing praxis.

Professor Ruth Morrow, Coordinator of BSc in Architecture



LAUREN McMATH, Annalong, County Down



STAGE *one*



Stage One Team

Stage Coordinator

Dr. Sarah A. Lappin

Module Coordinators

Dr. Sarah A. Lappin, Mark Ochel

Staff

M. Gamal Abdelmonem

Dr. Sarah A. Lappin

Dr. Paul Larmour

Dr. Mohamed Tamer Bassuoni

Professor Ruth Morrow

Mark Ochel

John Onyango

Visiting Design Tutors

Suha Afacan

Alice Clancy

Barry Maguire

Kim Loughery

Eoin McElroy

Aine McEnoy

Aoife McGee

Colm Moore



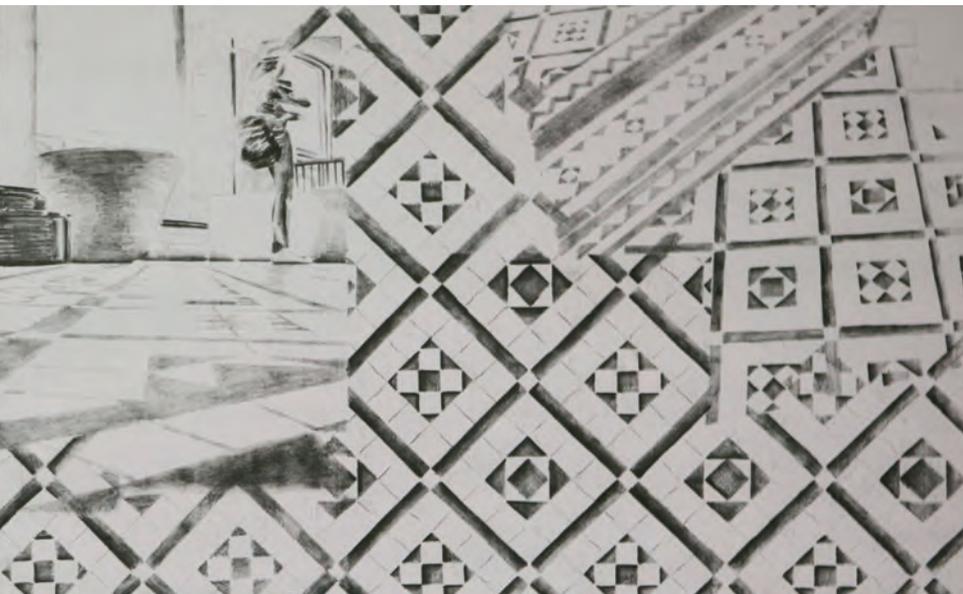
Stage One Brief

Stage One is the beginning of an odyssey for our students, taken in cooperation with staff, which involves considerable self-discovery through the learning of skills and knowledge as well as the instillation of noticing and questioning the built environment.

The challenges and ambitions for Stage One Architecture are numerous. This is a time for students to transition out of school and into university; addressing that transition begins with Induction Week in a series of activities for students to meet one another, understand the QUB environment and see the larger built landscape of Belfast. As part of this transition, students are introduced to some of the fundamental skills of architecture: drawing, model-making, written and verbal communication, critique, self-reflection and of course, design. Much work and learning undertaken in Stage One occurs in groups, from site surveys and analysis to design.

Many changes have occurred in Stage One 2009-2010, including new energy directed at the inclusion of building materials and technology into the design studio. This manifested itself in projects such as the design of a building component for a specially-chosen client as well as a structural load path model built to understand the nature of timber frame construction systems. Similarly, the Architectural Graphics and Professional Skills modules have been reconfigured to include student-specific skills and individual reflection on personal progression. Students continued to learn about the seminal buildings of architectural history from ancient Egypt to contemporary architecture in Europe. They also began their understandings of architectural theory along with the importance of the written word as an architectural instrument. Stage One enjoyed a field trip to Derry-Londonderry with numerous examinations of the city fabric through sketching and conversation spent with the client of the newly-completed Cultúrlann Uí Chanáin building.

Our Stage One teaching team has been awarded **2010 QUEEN'S UNIVERSITY TEACHING AWARD;** A Cross-University award of EXCELLENCE in teaching First Year students.



MICHAEL DIGBY, NADINE GRAHAM, SANDRA McGRATH, DECLAN PRICE

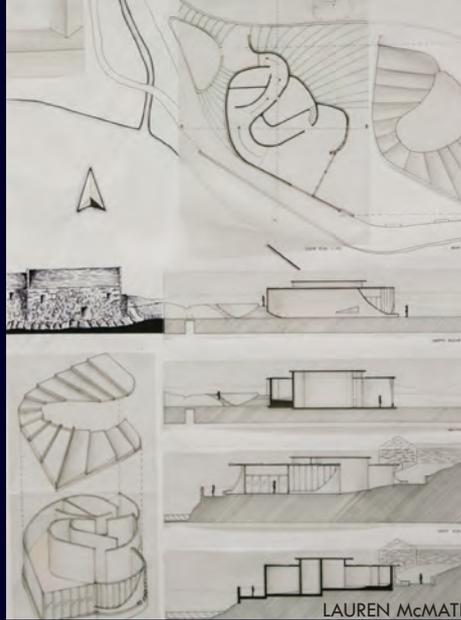


In the design studio, Semester One began with an examination and definition of a “room” in the city of Belfast in Room Cartography. Working in groups, students journeyed into the city to discover spaces, both interior and exterior, which captured their interest. Through measured drawings and models, the groups recorded the rooms they selected; after a precursory level of description had been completed, students then began to uncover and analyse hidden “archaeological” layers utilising a full range of representational techniques. Finally, students took concepts they had discovered in this process into the W H Lynn Library, a listed building on the QUB campus, for a week-long design and installation process. This intervention shifted understandings of the Library while recalling the nature of the spaces the students had previously analysed.



MARK NIXON, CLAIRE CLELAND, CARL GILLESPIE, NATALIE TAYLOR

Semester Two in the design studio was divided into two main projects which asked about the similarities and differences between rural and urban constraints. Gathering: Mountain Field Sea took students and staff to Annalong, County Down for a day of on-site workshops and conversations with local residents. Students were asked to design one of three programmes on or near the listed Cornmill at the harbour of the town: a fish smokehouse, seaweed baths or cookery school. Much of the emphasis for this project rested on an understanding of context, and students were asked to produce all drawings and models within the larger environment. Working on a site of considerable architectural, scientific and geographic sensitivity for Northern Ireland, the students were asked to design a building considering the overall sustainability of the project, including visibility, materials and permanence.

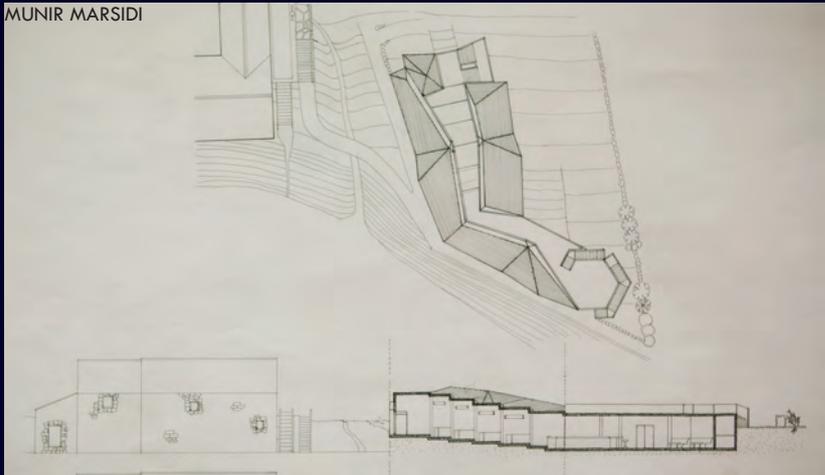


LAUREN McMATH



RYAN SIMPSON

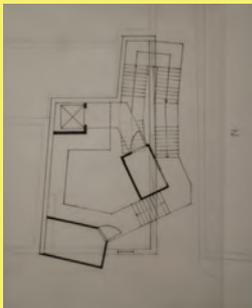
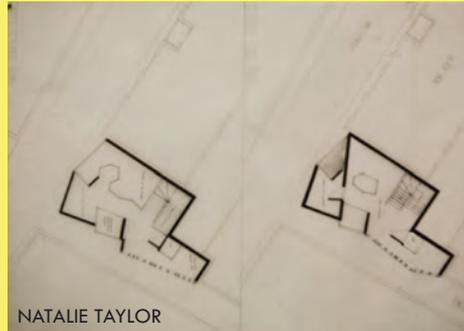
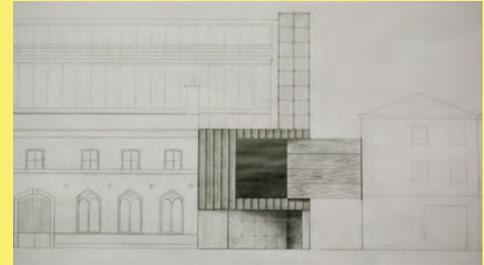
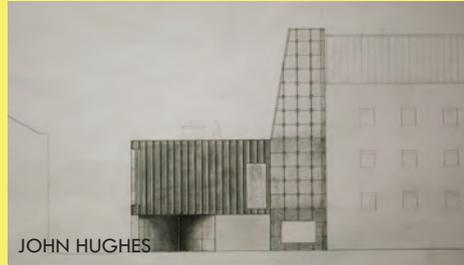
MUNIR MARSIDI



NAOMI SHEEHAN



The final project of the year asked questions of façade and relationships of interior to exterior spaces. In *Elevating a Section: Façade and Connectivity in Belfast's Cathedral Quarter*, the designers were challenged to consider existing spatial characteristics and constraints such as site location and size, orientation, height, and façade design. On a small site in the heart of the Cathedral Quarter of Belfast, the students designed a building as a showcase and/or workspace for one of the many local charitable organisations, small cultural producers and educational groups in the area. The design process for students in this project included considering environmental needs such as access to daylight, ventilation and issues of sustainability. Here the students particularly scrutinized the nature of façade design as well as vertical connectivity in a multi-level structure.



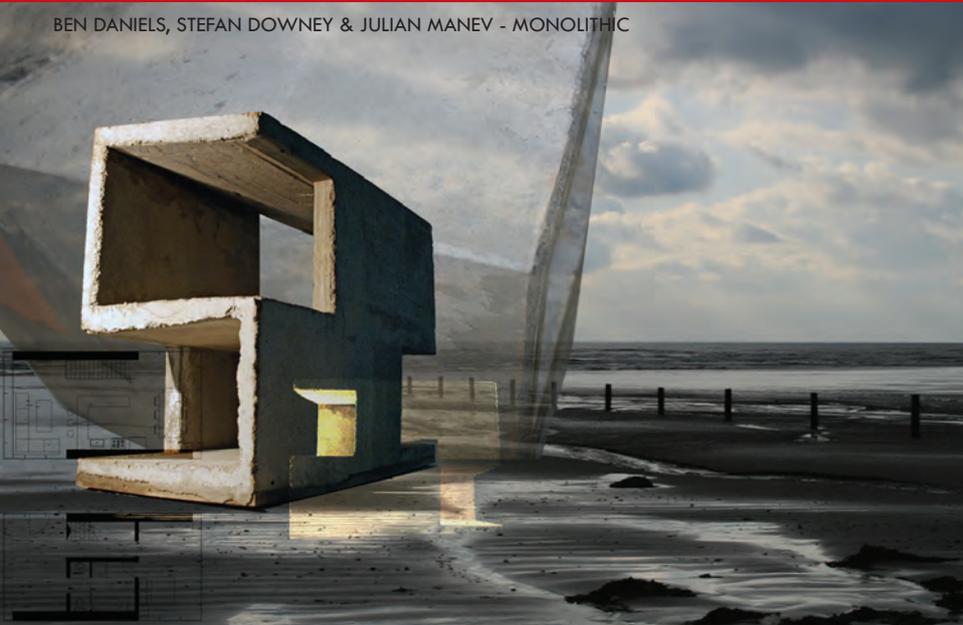


Street Society

For five days in Semester Two, Stage One undergraduate students and post graduate students in the first year of their Master's programme came together in a one week design research office, Street Society, working on real projects for real clients in real time. External organisations submitted a project for student groups to work on over the week. Clients included Belfast City Council, Craft NI, a theatre company and staff with particular research aims. Street Society was very well received by the clients, and we hope will lead to future collaborations.



BEN DANIELS, STEFAN DOWNEY & JULIAN MANEV - MONOLITHIC



Stage Two Team

Stage Coordinator

Keith McAllister

Module Coordinators

Dr Yasemin Afacan and Keith McAllister

Design Tutors

Kellie Finnegan

Wayne Hazlett

Nic Humes

Steve Larkin

Jane Larmour

Aine McEnoy

Sean McGivern

Hugh McNally

Dominic Stevens

Guest Critics

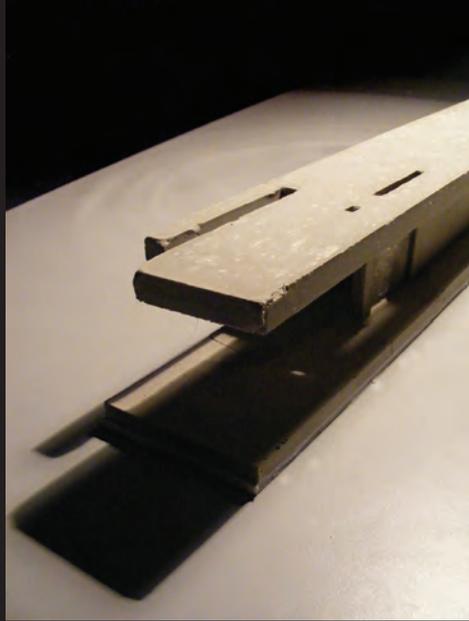
Tahar Kouder, RGU Aberdeen

Dominic Morris, Dominic Morris Architects

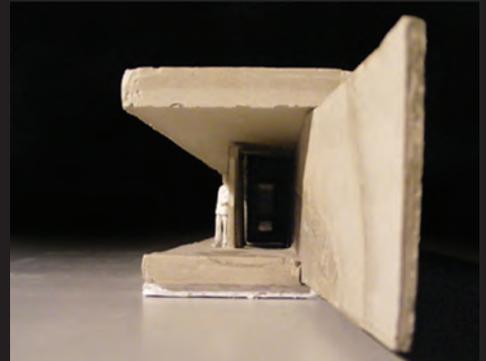
Gillian Wishart, RGU Aberdeen

STAGE *two*

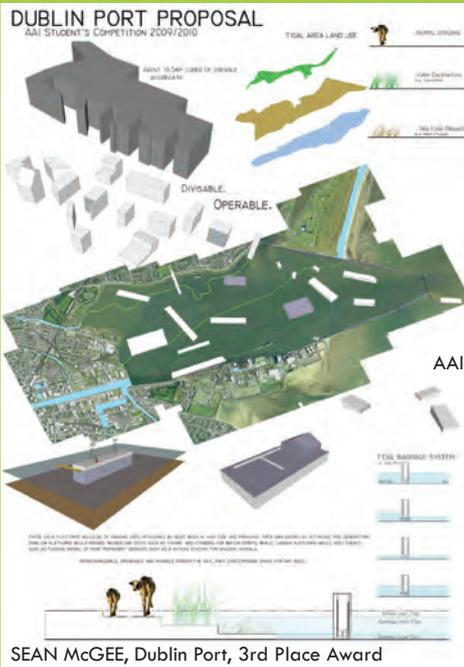




Valerio Olgiati Curated
International Concrete Competition



ANDREW HAMON, SEAN McGEE & ROB MOORE, MONOLITHIC, Joint Second Place Award



AAI Competition

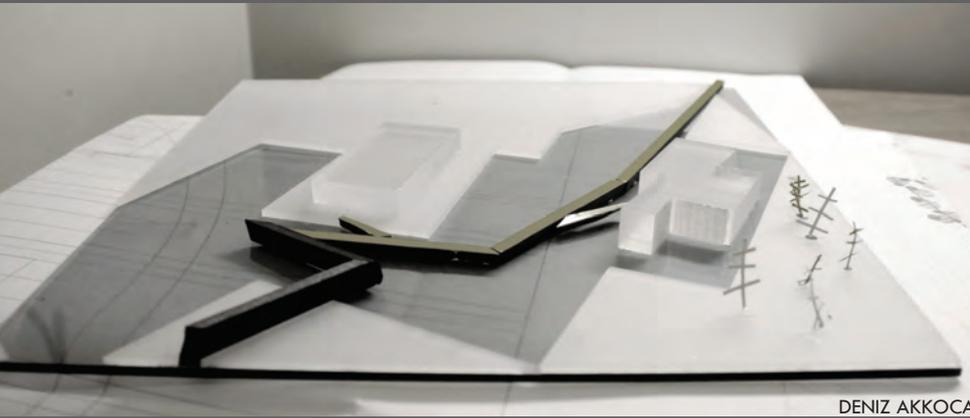
Stage Two Brief

In Stage Two, the emphasis remains the development for each individual student of a holistic and viable design ability combined with effective communication through use of drawings and models.

In the first semester the students undertook a series of projects. These included working with Masters Engineering students on the design of a boathouse and participating in Dominic Stevens run workshops, concentrating on concept and response to site. Throughout all of the projects, emphasis was placed on the personalisation of the design process and maturing self-criticism for the students in approaching the complex challenges inherent in design.

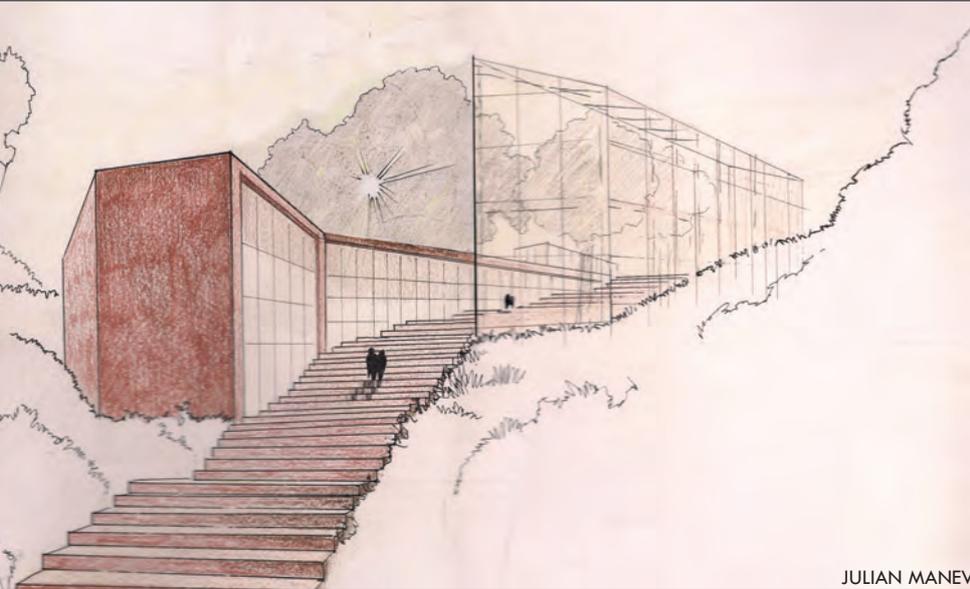
In the second semester, the students first took part in the Valerio Olgiati curated International Concrete Competition, successfully being awarded an Honourable Mention and Joint Second Place. The remainder of the semester was focused on a single project; a School of Music situated in Belfast. This first demanded a clear response to a demanding physical and cultural context. Then, after identifying an area of personal interest, the students developed their proposals in detail in respect of technology, construction, sustainability, atmosphere and light.





DENIZ AKKOCA

Seed Bank



JULIAN MANEV



SEAN MCGEE

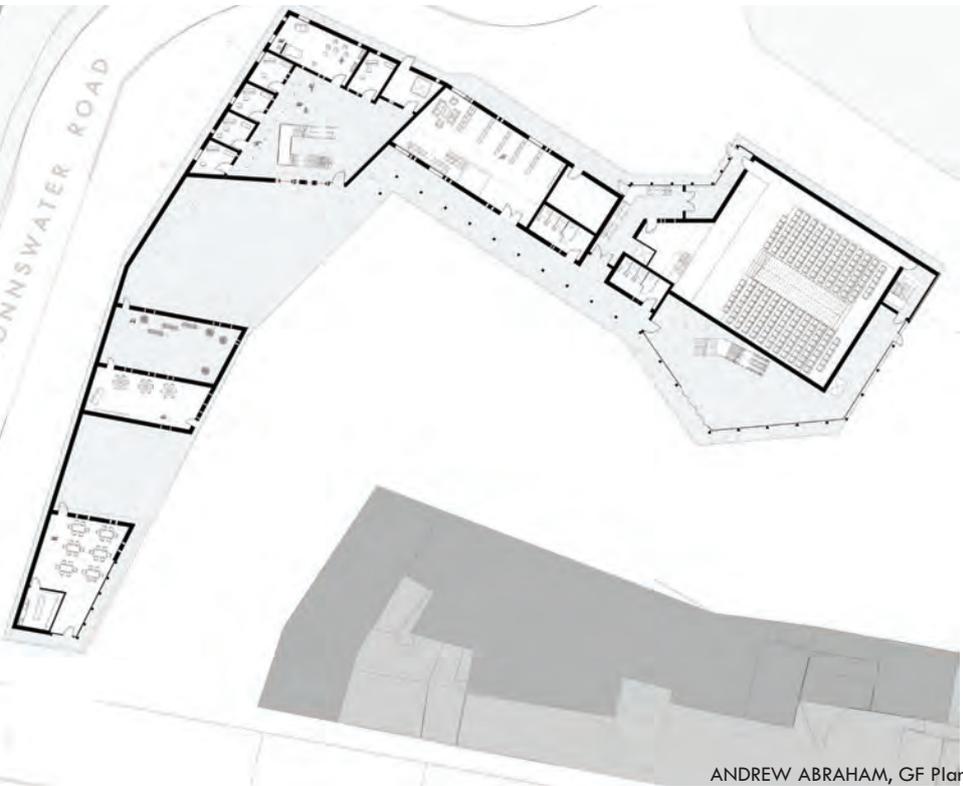


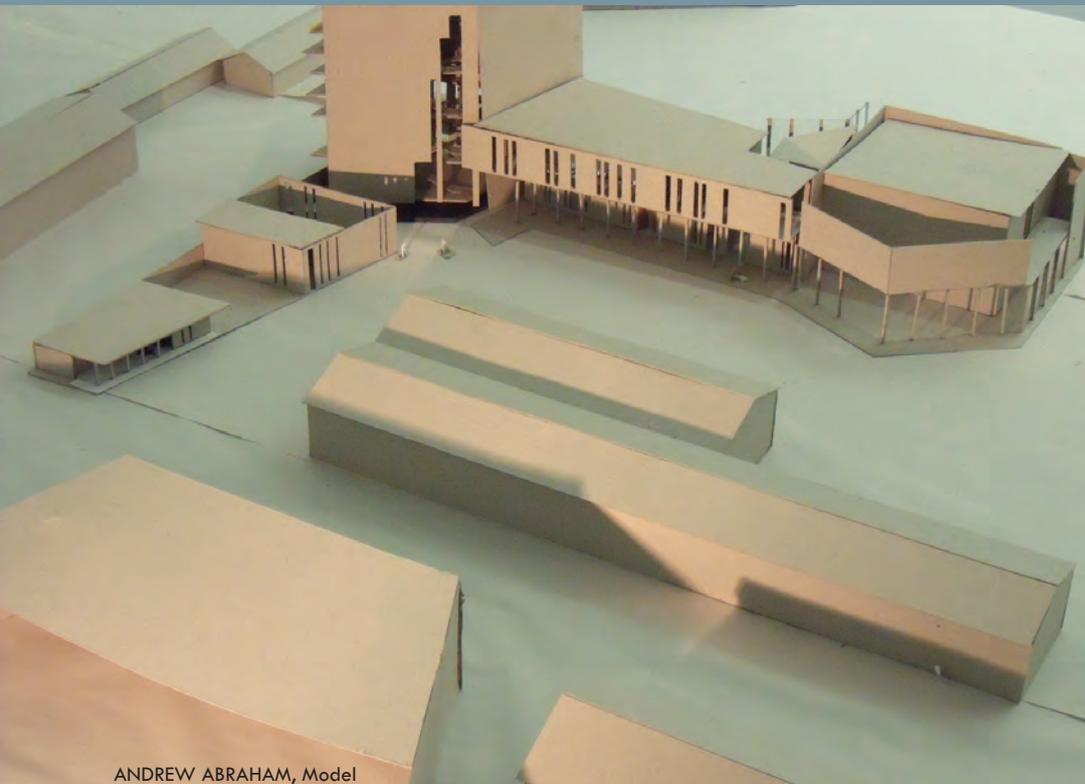
ANDREW ABRAHAM

MUSE[C-(IT)-Y]: School of Music, Belfast

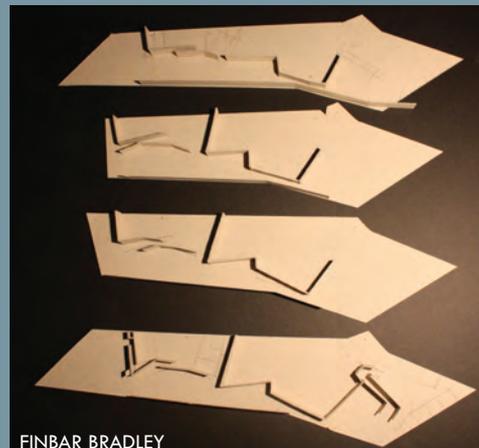


MUSE[C-(IT)-Y]: School of Music, Belfast

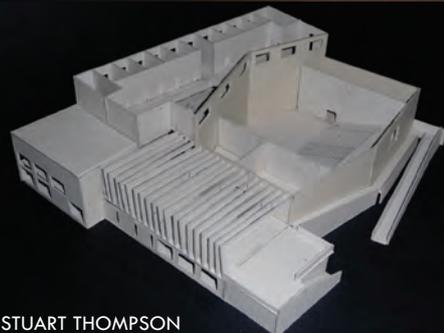




ANDREW ABRAHAM, Model



FINBAR BRADLEY



STUART THOMPSON



NARRATIVES Light, Material and Space.

Rhythmic play of light and shadow to express order and linearity of space.



Use of narrow tall opening to increase depth of light into space.

BEN CLARKE

Stage Three Team

Stage Coordinator

Alan Jones, Brendan Carabine

Studio Coordinators

Brendan Carabine, Alan Jones
John Onyango

University Tutors

Cian Deegan
Patrick Harrington
Neasa Hourigan
Janek Ozmin
Declan Scullion

Guest Critics

Maedhi Boem
Stuart Dickson
Seamus Lennon
Professor Michael McGarry
Professor Ruth Morrow
Siobhán Ní Éanaigh
Conor Shreenan
Sally Stewart





Stage Three Brief

Final year BSc Architecture

The city defines architecture defines the city.

As a culmination of the undergraduate programme the students and tutors began by focusing on a long fractured strip of Belfast that stretches across the southern edge of the city centre. Analysing the urban nature of Belfast and its buildings, the year traveled to Spain to consider how a different culture has formed its architecture and city. Returning home each design group explored a different strategy to address this unique opportunity to consolidate, connect and redefine Belfast. Some groups considered the composition and nature of urban design, others how the existing spaces of Belfast could inform a new portion of the same city. The art of making and manufacture, recycling and reuse were topics that often blended with strategies for urban design, architecture and defined space.

The second semester presented a series of single architectural projects that in many ways continued themes first explored in the first semester; those of the creation, arrangement and construction of architecture specific to location and to users. The choice of arrangement, construction and material was moderated by environmental computer analysis. An enthusiastic group of students, tutors, lecturers and guest critics has resulted in a set of graduation results of which all can be proud.



ZIXI LU, Belfast Centre for Childhood

Belfast Building Workshop

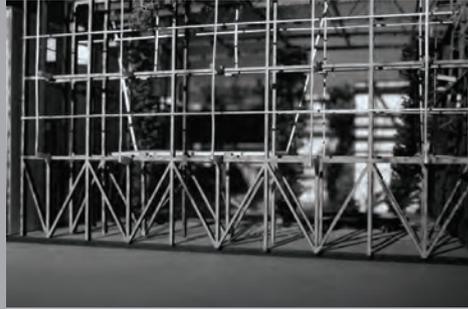
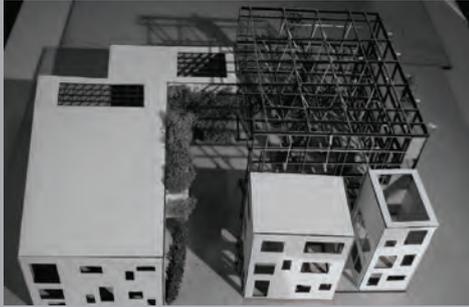
This project envisages the creation of a workshop/institute which will be concerned in the widest sense with research, education, gathering and dissemination of knowledge, practical application and creative potential of the physical material and fabric which we use to enclose and define space.



CHRISTOPHER GAULE



Conceptual Model, Workshop



Belfast Centre for Childhood



ZIXI LU, Belfast Centre for Childhood

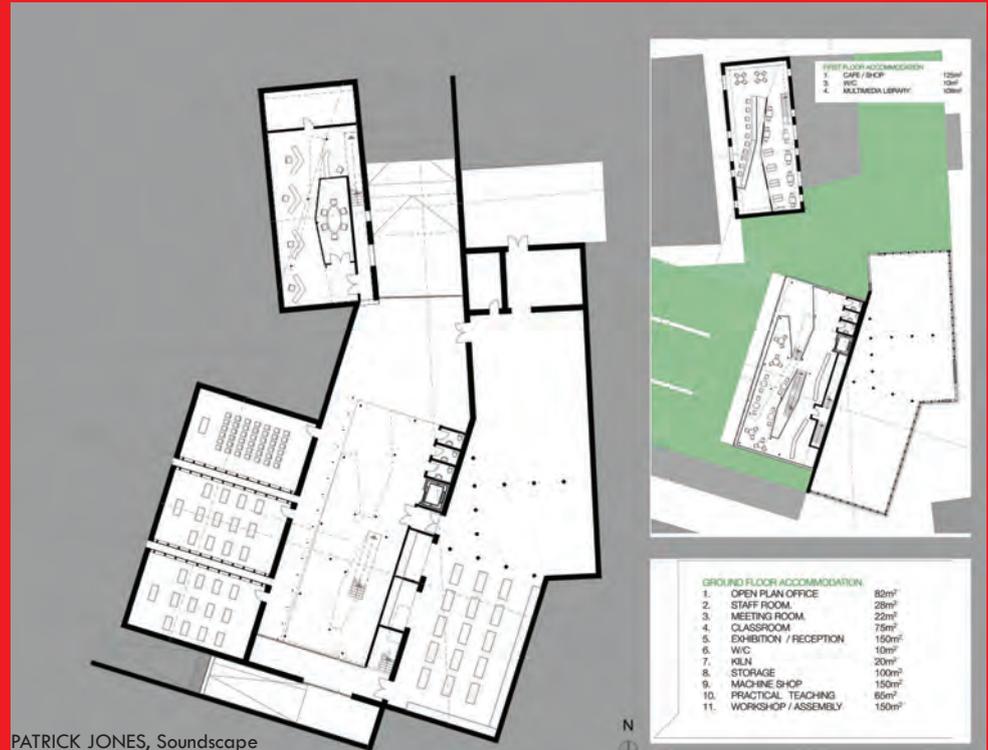


Belfast Lutherie

Belfast Lutherie forms a home for the teaching of stringed instrument making in Northern Ireland. Its objective is to promote the instrument making industry, provide a resource of knowledge and create dedicated space for manufacture, exhibition and performance of the instruments made.

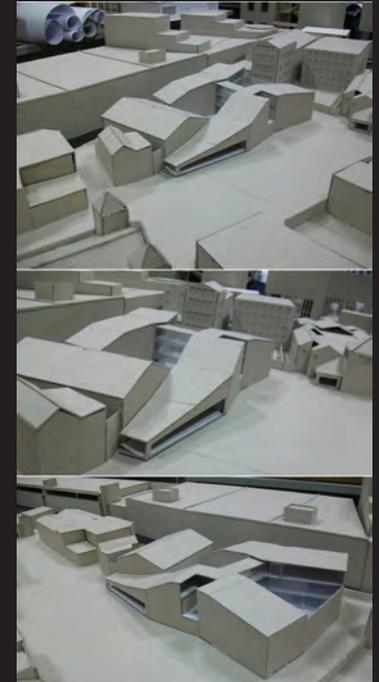
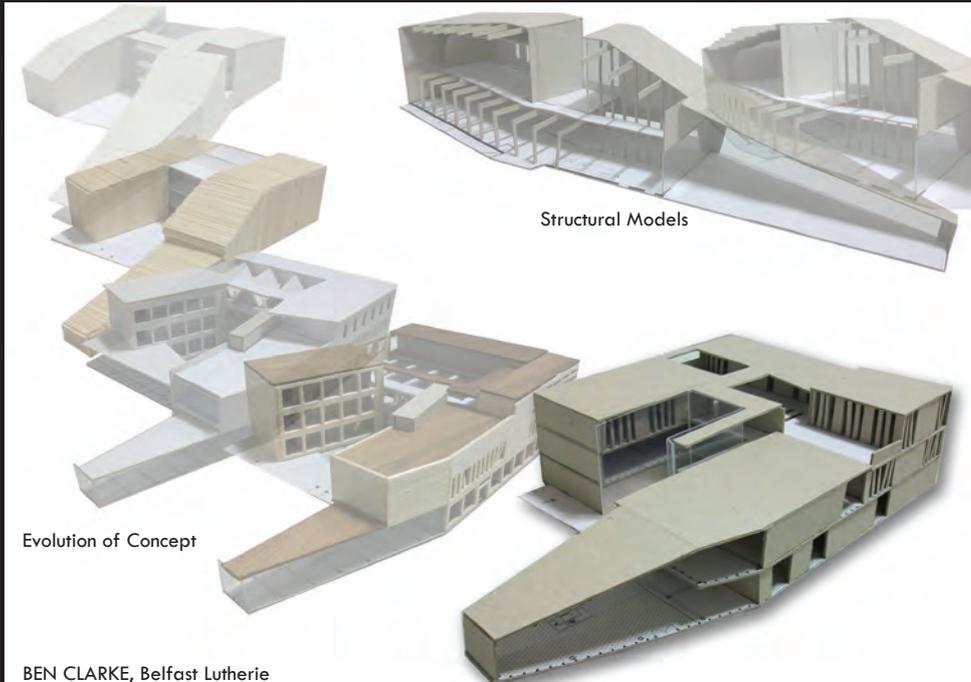


PATRICK JONES, Soundscape





3D models used to explore spatial qualities of design



Context is important in design. The project below illustrates the use of context to inform the design process and constraints of place.



NIALL MAGINNÉS, Belfast Lutherie



MASTER OF ARCHITECTURE

Stage Four (Year Out)

Coordinator, Alan Jones

A series of recall days formed the basis of directing and guiding graduates through their year away, to encourage personal development and reflection of their experiences within architectural practice and elsewhere. Students attended seminars on architectural practice, the changes from undergraduate to postgraduate education and chose options within the coursework assignment that best suited their personal development needs or personal interest.



MATTHEW STEWART (MARCH II), The Book Room, Construction Section

Master of Architecture

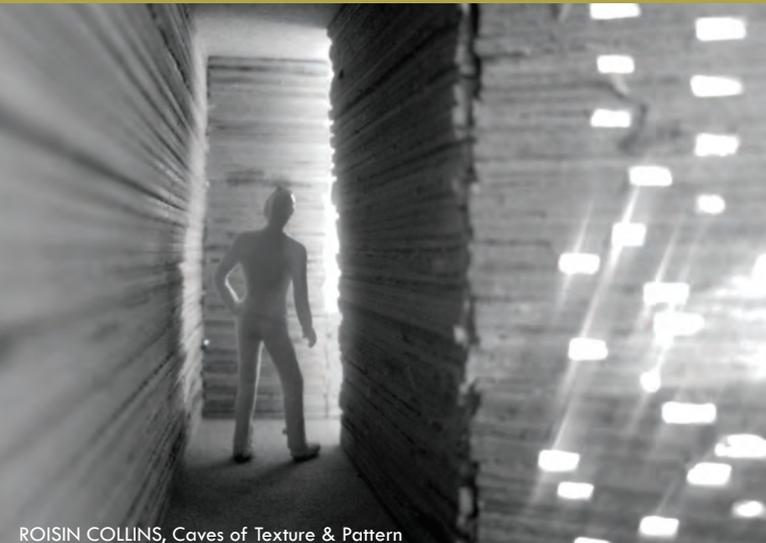
The Master in Architecture (MArch) is a two-year full-time postgraduate programme recognised as meeting Part II examination and membership requirements of the RIBA and ARB: it is the second level towards becoming a chartered architect. This post-graduate programme is designed to allow students to develop their individual skills, knowledge, and sensibility in architecture, and provides support for students to determine the direction of their own education through their choice of dissertation, electives and thesis subject.

It is a studio-based programme, underscoring design and design processes as the core concerns. The two-year programme comprises four semesters, which alternate between those more structured concentrating on core values of the school, and those more self-directed supporting individual research.

The staff cohort represents a wide spectrum of significant professional and academic experience and interests, and is supported by inputs from a variety of academics, practitioners, and consultants from beyond Queen's to provide a further dimension to a stimulating educational environment.

The MArch programme at Queen's is focused on the perception, physicality, and built reality of space and the programme's particular identity stems from its context within Belfast and Northern Ireland – a city and region with a strong background in artefact, its production and physicality. That identity is further reinforced by Architecture's placement within the School of Planning Architecture and Civil Engineering (SPACE) at Queen's with its very significant material sciences tradition and close relationship with industry. The Centre for Built Environment Research is the vehicle for architectural research with SPACE providing a multi-disciplinary platform within an international network.

Professor Michael McGarry, Coordinator of Master in Architecture (MArch)



ROISIN COLLINS, Caves of Texture & Pattern

Stage Five (MArch I) Team

Stage Coordinator

Professor Michael McGarry

Studio Coordinators

Dr. Mathew Aitchison (Semester 1)

Andrew Clancy (Semester 2)

University Tutors

Alice Casey

Andrew Clancy (Sem 1)

Gary Lysaght

Colm Moore (Sem 2)

Guest Critics

Tom De Poar

Erik Ghenoiu

Alan Jones

Kevin Logan

Professor Michael McGarry

Professor Ruth Morrow

Walter Nägeli

Jürgen Patzek-Poor

Christoph Schmidt

Christoph Schnoor

Dougal Sheridan

PEARSE McCANN, Atmospheric



STAGE *Five*
MARCH 1

Zenithal Light Studies



GERARD TOHILL & LAURA PULS,
Centre for British Arts, Yale - Louis Kahn



CATHERINE BLANEY & MARIE LYNCH,
Brick House - Carusio St John



PEARSE McCANN & CATRIONA TONER,
Pantheon

A Building With No Face

'The room is the beginning of architecture'.

Louis Khan, 1971

The mission is to explore the way people move through, experience and inhabit interior space. Moving from the outside-in students shall explore the interior prospect.

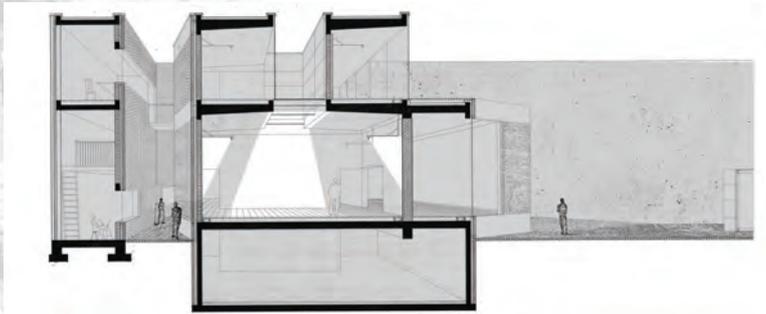
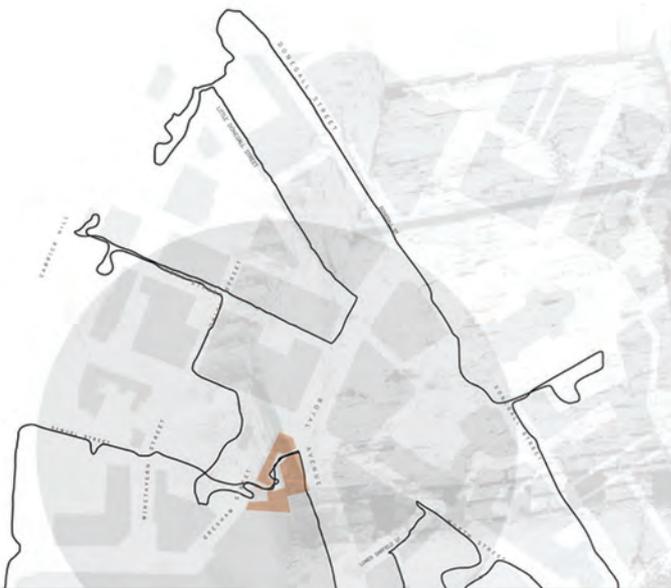
The brief is a HOUSE for a collection of art. Recalling the origins of the art gallery in the domestic typology of the renaissance villa, the intention is to consider the building as a series of public living rooms or parlours and its plan as a society of rooms. Design should give freshness to everyday experiences and dignity to the ordinary.



LAURA PULS, Gallery Space



ROISIN COLLINS, Haymarket Gallery



CATHERINE BLANEY



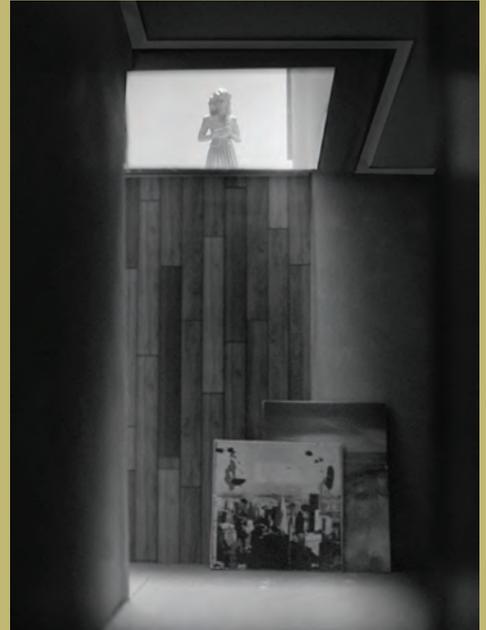
JAMIE GIBSON

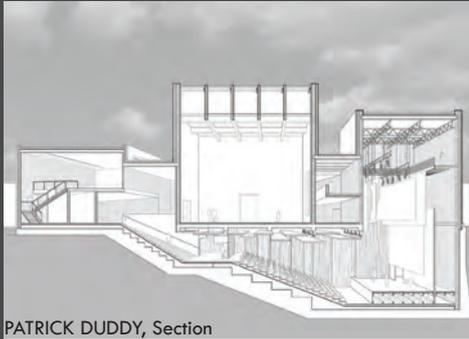


ORLA YOUNG



PEARSE McCANN, Haymarket Gallery





PATRICK DUDDY, Section



JOAN KERR, Sectional Perspective



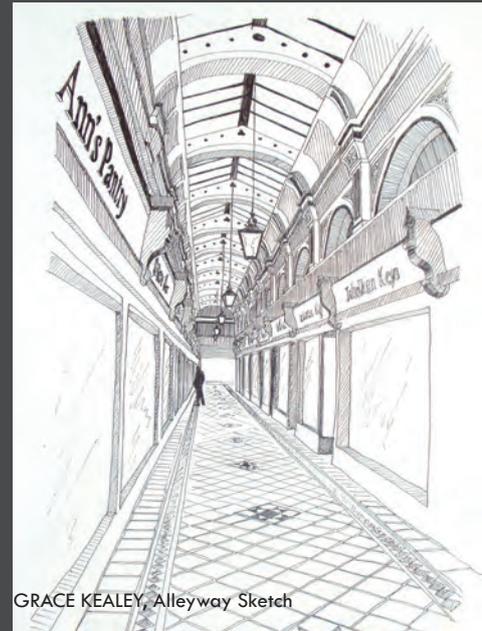
GRACE KEALEY, The Gallery



STEPHEN McCLATCHEY, Concept: Atmosphere



STEPHEN McCLATCHEY, Gallery Space



GRACE KEALEY, Alleyway Sketch

Stage Six (MArch II) Team

Year Coordinator

Dr. Karim Hadjri

Design Tutors

Dr. Karim Hadjri

Prof. Michael McGarry

Ian McKnight, Hackett Hall McKnight, Belfast

Susie Carson, Hackett Hall McKnight

Nigel Murray, Hackett Hall McKnight

Alistair Hall, Hackett Hall McKnight

Tarla MacGabhann, MacGabhann Architects, Ireland

Ruth O'Herlihy, McCullough Mulvin Architects, Dublin

Niall McCullough, McCullough Mulvin Architects

Valerie Mulvin, McCullough Mulvin Architects

Visiting Critics

Alun Jones, Dow Jones Architects, London

James Grayley, Dow Jones Architects, London

Mary Kerrigan, Derry

Denis Byrne, Denis Byrne Architects, Dublin

Maedi Boehm, HKR Architects, London

Alan Jones

Mark Hackett, Hackett Hall McKnight



YIU HEI SHEK, Chinese Cultural Centre

An architectural rendering of a three-story book room. The space is characterized by a dark, monochromatic color palette and a grid of thick, vertical columns. Three mezzanine levels are visible, each with a railing. The ground floor features rows of bookshelves and tables. Numerous windows of various shapes and sizes are integrated into the design, some of which are filled with colorful, abstract patterns. Small human figures are placed throughout the space to provide a sense of scale. The lighting is dramatic, with bright highlights from the windows and deep shadows in the recessed areas.

STAGE *six*
MARCH 11

MATHEW STEWART, The Book Room

YIU HEI SHEK, Chinese Cultural Centre

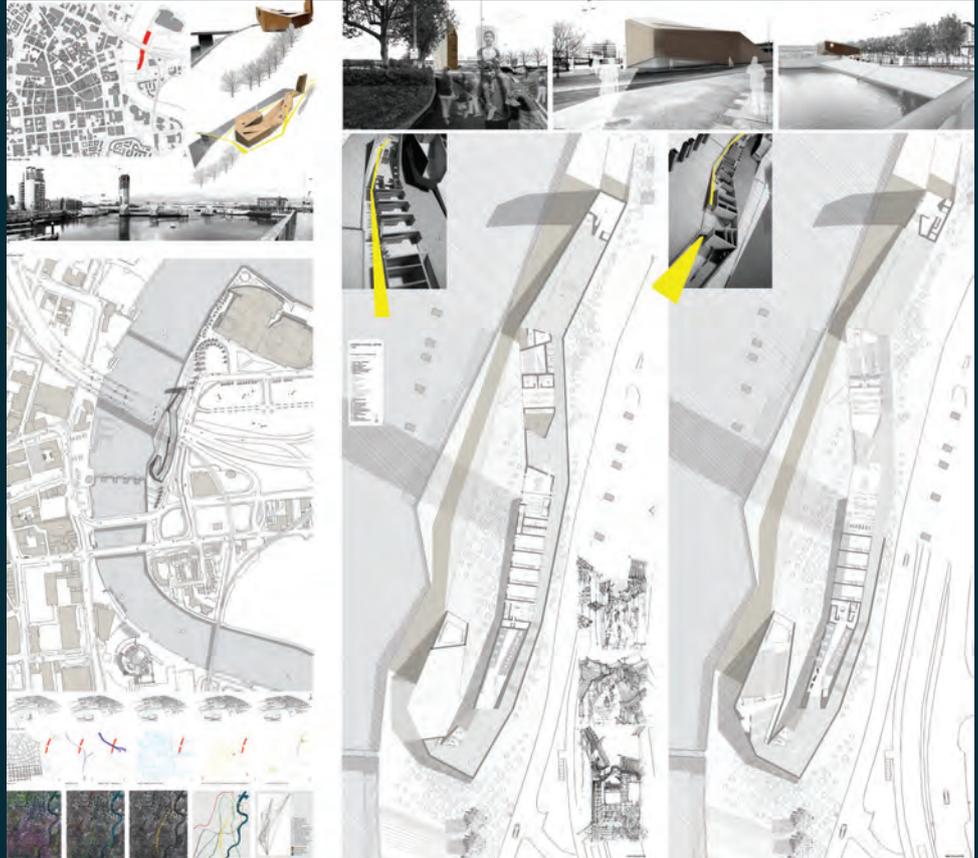
Queen's Quay along the River Lagan, Belfast
centre

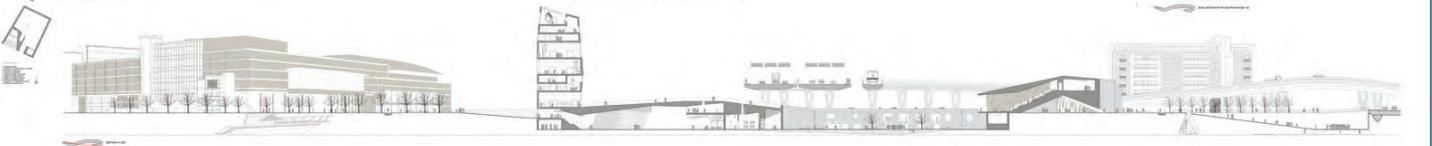
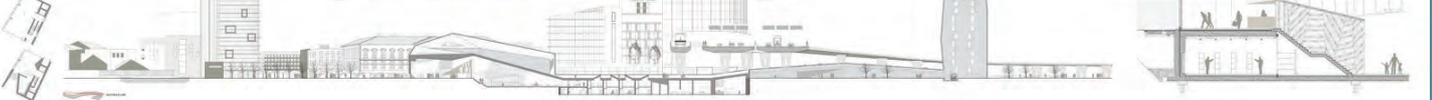
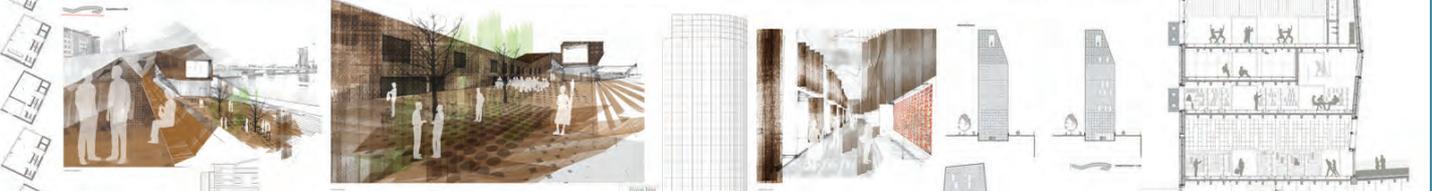
A Celebration of collective differences.

The thesis seeks to explore the diverse cultures within Ireland / Northern Ireland. With the ever increasing number of ethnic minorities establishing themselves within the local community, yet there is little we know about their cultural background and for them, very little is understood about their new environment.

The Chinese community in Ireland is the longest established migrants group in Ireland. Chinese people have been living in Ireland since the 1950s, where they are the largest ethnic minority. Locally, many believe that there is not enough interactions and cross cultural understanding between the natives and the Chinese community.

Chinese Cultural Centre will become a vehicle that breaks down the invisible gap between the two communities and will form a cultural bridge that aids the locals to understand the origins of their neighbours, their culture and their way of life while also helping the younger generation of Chinese in Ireland to rediscover their roots. It will be a house that allows everyone to intertwine, learn and appreciate each other forming a beacon celebrating the collective differences.





WILLIAM McGONIGLE, Donard Lodge

Mountain Lodge and Spa

Thomas' Mountain Quarry, Newcastle

The principal aim of this thesis was to investigate 'connection with landscape'. This, in the context of the Mourne Mountains in Southern County Down, has led to investigations into merging with the landscape, and interacting with it.

The thesis is proposing a new retreat style lodge and spa, uniquely located within the mountain range itself, near the town of Newcastle. This lodge and spa will be aimed primarily (but not exclusively) at outdoor enthusiasts, people who are drawn to the area for mountain walking, rock climbing, horse riding, mountain biking etc. It aims to provide more than simply a place to stay. It aims to provide an extension of the landscape, a base offering explorations into the surrounding mountains, and taking full advantage of the wide range of activities available.

The site proposed is the Thomas' Mountain Quarry, which is a highly visible man-made scar on the landscape and offers a unique site opportunity within Northern Ireland. It also enjoys spectacular panoramic views across Dundrum bay and is accessed via gravel roads through Donard forest, alongside several walking paths.

Early design strategies involved the use of excavation, looking at water and stone. The quarry dates back to over 300 years and the Mourne Conduit – a major water pipeline running from the Silent Valley, passes under the mountains and runs just below the site. I have tried to incorporate this idea of subterranean experience, the pure elemental quality of water and stone into the initial design.



Early form and missing studies



Early form and missing studies

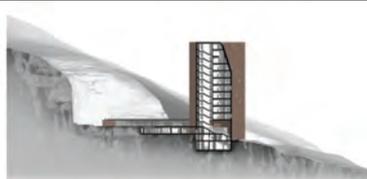
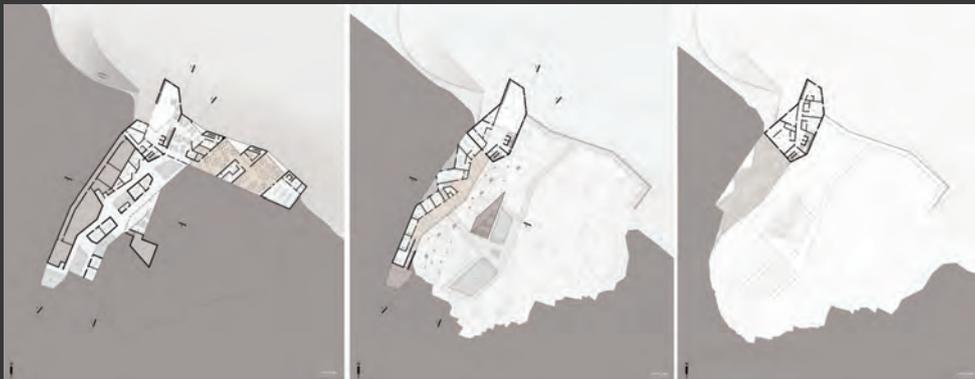


Axonometric - Areas to be carved on site

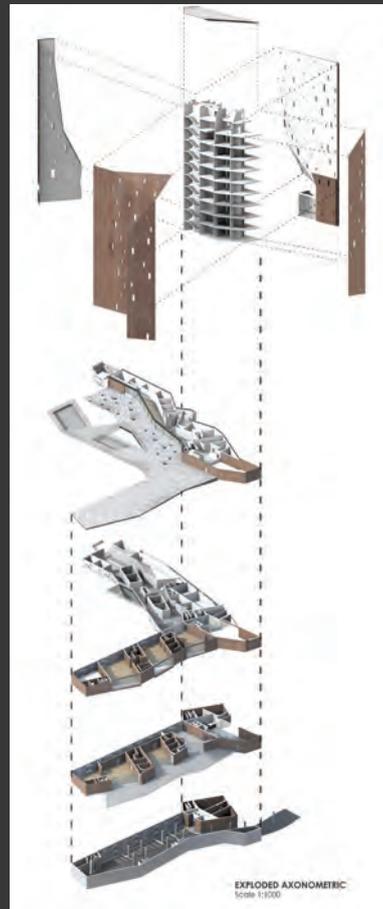


Axonometric - Insertion of building into carved spaces





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EXPLODED AXONOMIC
SCALE 1:1000

RONAN WHITE, The Urban Edge

Omagh, Ireland

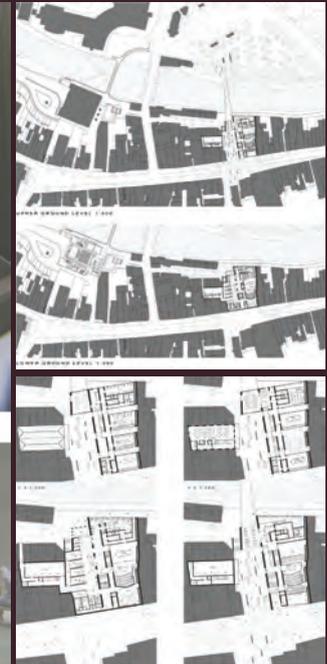
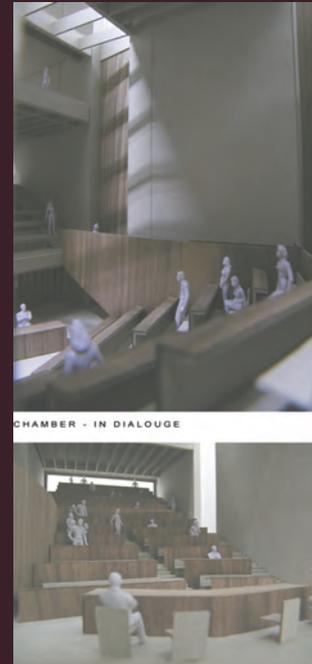
This thesis aims to explore the theme 'The Urban Edge' at two levels:

- The urban edge condition between land and water (city and river).
- How a building typology being located on the urban edge can be relocated within the town centre?

Akin to the typology of the traditional Irish market town, the main focus within Omagh was centralized around the market activity on the main streets; as a result the back of house area along the river was ignored. In connecting the town to the river the proposed building needs to create a dialogue for the public between these two conditions, thus addressing the requirement for the building to be of a public nature.

Exploring the idea that the area could be established as a new civic quarter, further research revealed that Omagh has remained without a town hall for 36 years. Following a review of public administration in 1973 many local government buildings within Northern Ireland were moved to the periphery of towns, isolated from the public.

Now that the opportunity has become available I would like to re-establish the Town Hall within Omagh. Such a proposal would have the potential to become a new model for Northern Ireland, in exploring how this typology can be reunited with the public through a location within an historical core/town centre.





SOUTH ELEVATION (IN STREET CONTEXT)



MARKET STREET (SOUTH ELEVATION) 1:200



VIEW FROM BELL'S BRIDGE



RELATIONSHIP TO PUBLIC SPACE



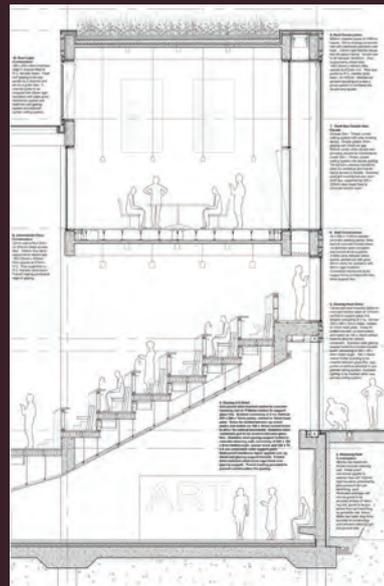
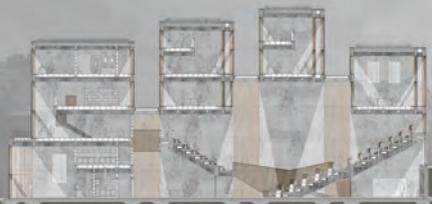
APPROACH FROM OLD MARKET PLACE



RIVER STRULE (NORTH ELEVATION) 1:200



VERTICAL SECTION
HORIZONTAL SECTION
3-DIMENSIONAL
STRUCTURAL DIAGRAM



TOMAS PIERCE, *The Alternative Platform*

Central Belfast

At present the people of Belfast are represented by the City Council, housed in the City Hall. The City Hall is a significant building, although its surrounding civic space isolates it from the urban grain and it could be described as an island within the city fabric.

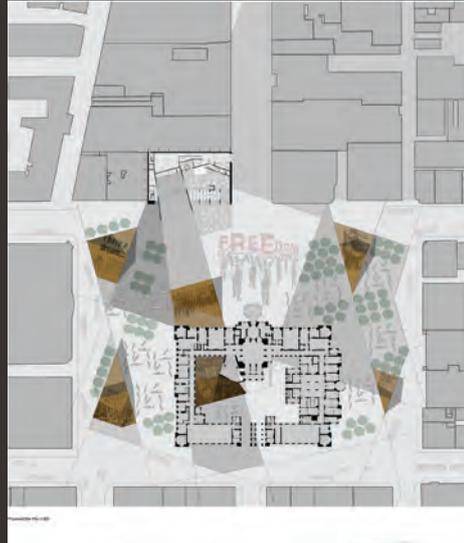
The proposal of an NGO (Non Government Organisations) centre in Belfast gives the people of the city an alternative means of representation allowing them a choice.

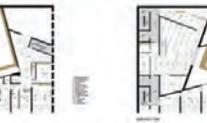
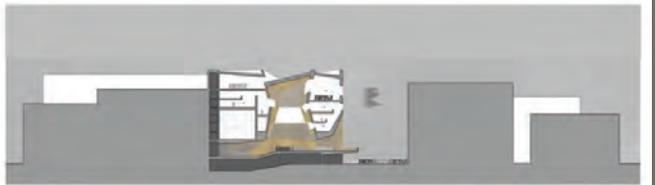
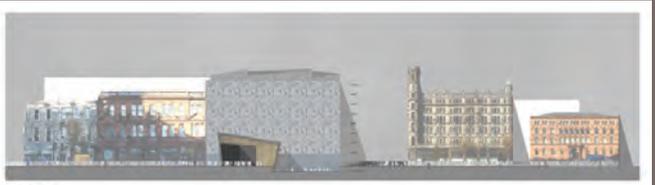
The Alternate Platform:

The alternative platform is not criticising the existing local government, but offering a choice, which will provide people with a better service and representation.

By placing the NGO in the space in front of City Hall an attempt is made to create a dialogue between the two physical entities (buildings), and metaphorically between the two building typologies (offering people a choice as to how they are represented).

The public realm is shared by the two buildings, and represents the dialogue between both sides. In effect, the public realm represents the people, and is their space, where the two alternatives can be heard. It becomes an agora – a meeting place and forum for debate and protest.





MATTHEW STEWART, The Book Room
Space, Excavation, Printed Word

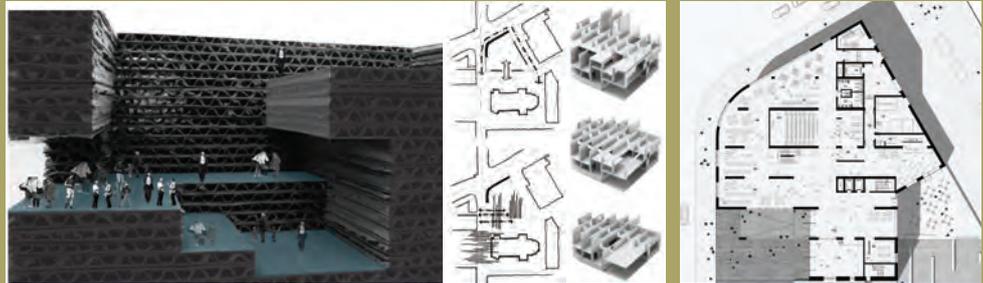
Donegall Street, Cathedral Quarter, Belfast

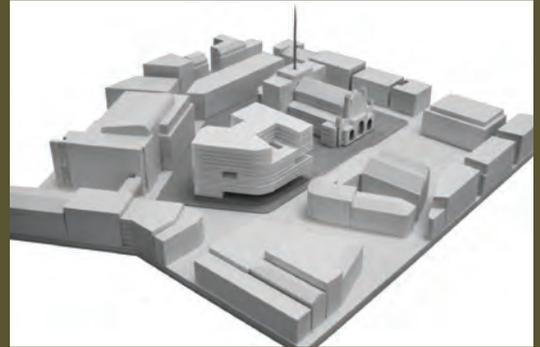
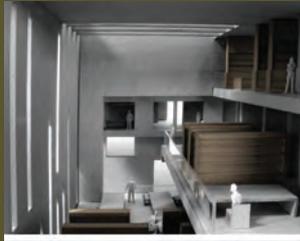
This thesis looks at the library as a 'place' and a free public space in the city. It studies the concept of 'third place' as a platform to support civic life in a city.

There are many sources and archives of books and literature that capture and reflect the collective identity of Belfast. At the moment the resources are not openly accessible to the public and many national treasures are hidden from society. This thesis looks at creating a new library and public building that is specific to 'place' and specific to Belfast, which will hold and make accessible these artefacts that capture our past and an understanding of present society.

The site will be located in the Cathedral Quarter, the growing cultural quarter of Belfast.

A library should have specific space agendas. A reading space offers a different spatial experience to delight in and enjoy the artefact of a book by contrast to a book storage space. I am interested in Adolf Loos concept of 'Spatial Plan' architecture and using mass to define space by the way it is treated. I will use the concept of 'architecture by subtracting' to carve space from mass that is specific to the spatial requirements in a library.





Stage Seven

Part III Certificate in Professional Practice

Stage Coordinator - Alan Jones
Module Coordinator - Neil Mathews

This final stage of architectural qualification that leads to registration and future membership of the RIBA had a series of recall days with lectures and seminars provided by leading authorities on the various aspects of the Part 3 syllabus. We note the valuable contribution of everyone involved in this programme – and especially of our outgoing external examiner John Thacker and incoming internal examiner Gordon Gibb, an experienced Part 3 provider in Scotland and a member of the ARB Board.

Researching Architecture

Centre for Built Environment Research (CBER)

Director of Research - Professor David Cleland

The Centre for Built Environment Research (CBER) is an interdisciplinary centre and provides a unique opportunity for architects and civil engineers to jointly find solutions to problems faced by the Built Environment and the Construction Industries. The centre combines research in structures, structural materials, sustainable building and communities, and architectural design research. For example, the structures and materials area performed extremely well in the 2008 Research Assessment Exercise (RAE) being within the top 10 in the UK with 75 percent of the research activity recognised as world leading or internationally excellent (4* and 3*). The University is also investing heavily in research equipment for architecture namely labs for building simulation, building surveying and information capture and representation.

The CBER research portfolio has a number of projects and PhD students examining cultural heritage, civil engineering infrastructure and testing and monitoring of the built environment, structures, materials eg. self-compacting concrete, ICT tools for designers, construction management, and inclusive design. The centre provides an ideal setting for interdisciplinary research projects that directly benefit the built environment, society and sustainable development.

There are two general themes that form the backbone of architectural research at Queen's:

Sustainable Buildings and Communities: This theme addresses sustainability as it relates to the built environment in its entire range - Physical, Economical and Socio-cultural. The goal is to contribute to the advancement of knowledge in this area by developing research findings - based on both conceptual and empirical approaches. Delivering sustainable environments is the core of investigation in this theme. Additionally, issues addressed involve the development of tools for analysing, designing, assessing and delivering sustainable environments at different scales that range from interior spaces and near environments, to exterior spaces and urban public spaces.

Architectural Design Research: Modern Built Environment research combines innovations in materials, interaction of people with the Built Environment, meeting social needs of housing, simulation studies for energy efficiency in Built Environment and the use of information technology for the efficient use of space, light, energy and acoustics. With the recent appointment of research active staff in architecture technology, CBER now is fully equipped to undertake research in all these topics. The architecture history and culture are brought into this research theme to give vigor and depth to the area.

Recent Research Grants

The development of Cognitive Health and Wellbeing Hub (COGWORKS) is supported by a consortium of funding bodies and research councils as part of a larger program managed by Medical Research Council (MRC). This is a major cross-council initiative supporting multi-disciplinary research addressing factors across the life course that influence healthy ageing and well-being in later life. Dr Karim Hadjri. www.qub.ac.uk/research-centres/cogworks/

As part of RHYZOM, a collaborative EU research network for cultural production and trans-local dissemination, in partnership with PS2, Belfast-based art initiative. The project is funded by the EU Culture Programme and will result in effective international collaboration and publications in the field of creative industries and cultural production. Prof Ruth Morrow.

A research network funded by CARDI-Centre for Ageing Research and Development in Ireland, research partners include Trinity College, Centre for Excellence in Universal Design (Dublin), PLACE, Architecture Centre for NI, Belfast. The networks aims to scope out and initiative future research activities in the field of ageing and inclusive design activities. Dr Yasemin Afacan, Prof Ruth Morrow.

Tactility Factory: a concrete/textile initiative in collaboration with University of Ulster (T. Belford). Funded through multiple sources, Arts and Humanities Research Council, Higher Education Innovation Fund and more recently Invest NI and Cultural Industries Innovation Fund. Prof Ruth Morrow.

Current PhD Students and Topics

Mr JASON VON MEDING, Mapping Dynamic Competencies of NGO's in Post-Disaster Reconstruction.

Mr NICHOLAS HUMES, New ICT tools to support design decision making.

Mr JAMES BROWN, Live projects in architectural education.

Mr JOHN BRUEN, Low-cost sustainable construction, typologies for the developing world.

Miss ASHWINI KONANAHALLI, Critical factors influencing British expatriate assignment success in international construction.

Mr ENDA McKENNA, Corporate branding in project-based firms: the case of UK construction MNC's.

Mrs JANE McCOULLOUGH, Current perceptions and awareness of sustainable housing - (MPhil).

Mr JOHN SPILLANE, Strategies and management of confined site construction.

Mr ROBERT MILES, Energy conservation in historic buildings.

Architectural Staff at Queen's



25 June 2010
Academic Staff joined by:
Prof. David Cleland
(Head of School; centre),
and Prof. Flora Samuel
(Sheffield School of
Architecture; far right).

Academic

Mr. M. Gamal ABDELMONEM, Dr. Yasemin AFACAN, Dr. Mohammed BASSUOINI, Dr. Karim HADJRI, Dr. Carolyn HAYLES, Ms. Neasa HOURIGAN, Mr. David HOUSTON, Mr. Alan JONES (Director of Education), Dr. Sarah LAPPIN, Dr. Paul LARMOUR, Mr. Keith McALLISTER, Professor Michael McGARRY, Dr. Xianhai MENG, Professor Ruth MORROW, Mr. John ONYANGO, Dr. Lukumon OYEDELE, Dr. Menghao QIN

For detailed information about our staff research interests and academic expertise, visit our staff webpages: www.qub.ac.uk/schools/arc/Staff

Management

Professor David CLELAND (Head of School), Mrs. Tara McCOLLUM (School Manager)

Secretaries

Ms. Dee AGNEW, Ms. Roslyn BARNES, Ms. Carole MASLOWSKI, Ms. Geraldine McDONALD, Mrs. Valene MOLLOY, Mrs. Cheryl MURRAY, Mrs. Hilary NOBLE

Technical Staff

Mr. Hilary LAING (Workshop), Mr. Tony O'HARE (IT), Mr. Sam CARSON (Workshop)

Acknowledgement

Whilst some colleagues are newly arrived and give us the benefit of their experience and knowledge, we recognise the very significant contribution of three long-serving esteemed staff who have left us during this year; Brendan Carabine, Lawrence Johnston and Conall O'Cathain.

The leadership and guidance we receive from senior management within Queen's University Belfast is critical to our success. Particularly, we appreciate the support from our Vice-Chancellor, Professor Peter Gregson, our Dean, Professor Tom Millar and our Head of School, Professor David Cleland.

Architecture at Queen's is indebted to our colleagues within SPACE and the wider Queen's community particularly, Barbara Abbott, Dee Agnew, Roslyn Barnes, Sandra Bloomer, James Campbell, Sam Carson, Dee Corbet, Wilma Fee, Eimear Gallagher, Dan Holden, David Houston, Gary Jebb, Hilary Laing, Carol Maslowski, Tara McCollum, Geraldine McDonald, Valene Molloy, Cheryl Murray, John O'Donoghue, Tony O'Hare, Fred Ruddell, Ruth Scott, Liz Thompson and Nuala Wilson. Within Architecture, Hilary Noble continues to provide invaluable administrative support and expertise.



Architecture at Queen's University Belfast

School of Planning, Architecture and Civil Engineering (SPACE)
Queen's University Belfast

www.qub.ac.uk/schools/arc