

Postgraduate Research in the School of Architecture, Design & Environment

Our research programmes are
ResM Architecture, Design & Environment and MPhil/PhD Architecture, Design & Environment
both of which come under the following three main research groups within the school.

Culture | Theory | Space
Research Group in Architecture

Design Knowledge
Research Group in Design

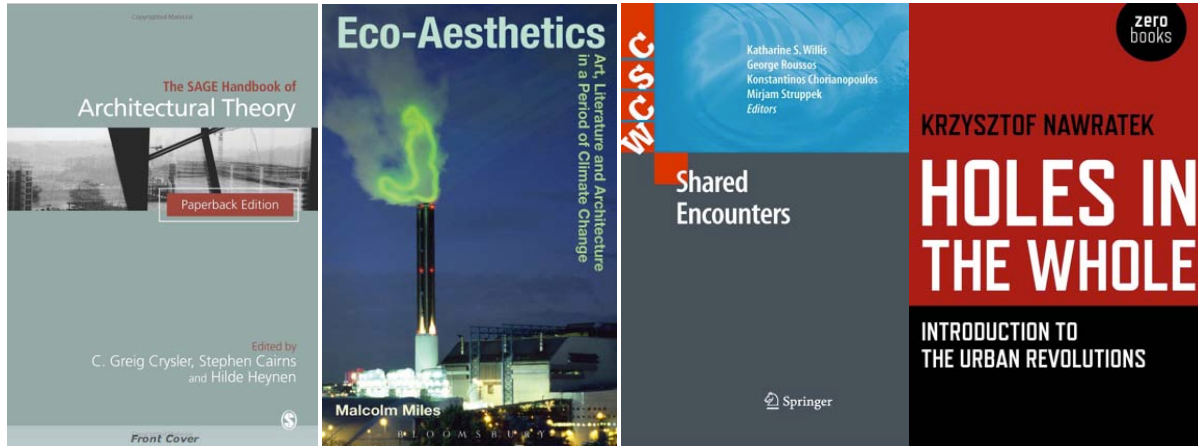
Environmental Building
Research Group in Environmental building

In 2016 both programmes will offer a series of joint events across the school for postgraduate students and researchers in the form of seminars, talks and reading groups on career support, alumni success stories, and reading, thinking and presentation skills alongside a structured taught module on Research Skills and Methodologies in Architecture, Design and Environment.

Currently we offer part-time and full-time modes of study for both ResM and MPhil/PhD (part-time option is only available for Home and EU students).

Minimum and maximum periods of registration for a Research Degree are as follows:

	<i>Minimum</i>	<i>Maximum</i>
ResM		
Full-time	18 months	24 months
Part-time	24 months	36 months
MPhil		
Full-time	12 months	36 months
Part-time	24 months	48 months
PhD		
Full-time	24 months	48 months
Part-time	36 months	72 months



Culture | Theory | Space

A research cluster in architecture in the Faculty of Arts and Humanities, University of Plymouth. This cluster produces advanced inter-disciplinary research in two, linked and overlapping areas: theories and histories of culture and society in the modern and post-modern periods; and critical cultural practices in changing urban situations. It operates at the levels of post-doctoral research, doctoral study (MPhil/PhD), and post-graduate study (MA, ResM). Please contact Professor Malcolm Miles for further information: M.F.Miles@plymouth.ac.uk

Research Programmes within Culture | Theory | Space: Mphil/PhD and ResM in Architecture

Research in Architecture currently revolves around three main interests:

Critical Urbanism

Theories and practices of urban change from the early modern period to the present, seen through cultural, social and political frameworks.

Research active staff in this area:

Professor Malcolm Miles
Professor Bob Brown
Dr. Krzysztof Nawratek
Dr. Sana Murrani
Dr. Nikolina Bobic
Dr. Karan August
Alona Martinez Perez

Digital Cities

New technologies of communication, social media and their effects in changing urban and social environments and on spatial practices.

Research active staff in this area:

Professor Alessandro Aurigi
Dr. Katharine Willis
Dr. Alejandro Reyes

Sustainable Architecture

Building design and technologies for low-impact living, especially in relation to housing, in Europe and south Asia.

Research active staff in this area:

Simon Bradbury
Dr. Satish Basavapatna
Kumaraswamy

Current ResM and MPhil/PhD Researchers in Architecture

Ioana Popovici PhD Architecture [Critical Urbanism]

Arhitectura 1950 - 1989. Interstitial Spaces of Communist Romanian Architecture

Justin Chung MPhil/PhD Architecture [Critical Urbanism]

Learning from Counter-Hegemonic Urban Practice: Constructing a 'socio-cultural and spatial framework' inspired by the ephemeral night markets in Taiwan

Pamela Varley PhD Architecture [Digital Cities]

Sustainable Digital Neighbourhoods

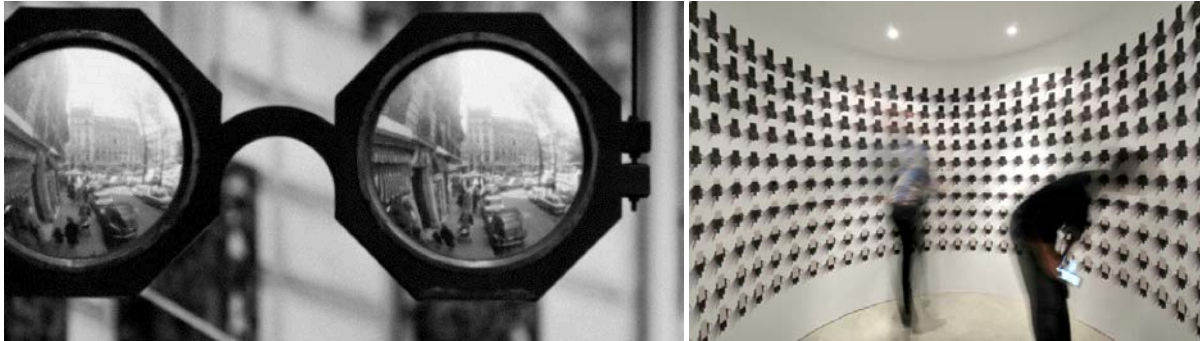
Kathrin Schuette MPhil Architecture [Digital Cities]

The role of virtual imaging in building conservation

Alex Lorimer ResM Architecture [Digital Cities]

Mass-Participation Architecture: Social media and the decentralisation of architectural agency as a commercial imperative





Design Knowledge

This is an open and exploratory design-led research group. We conduct research with and for people, products, places and their interactions. We work with a variety of organisations to provide fresh perspectives on real-world issues. Our research covers a wide variety of practice-led activity, delivering new design solutions for community, cultural policy and environments. Our research contributes to new knowledge in, human experience, agency, identity, and design knowledge, as constructed and understood through artefacts, exhibitions, literature and interventions. We operate at the levels of post-doctoral research, doctoral study (MPhil/PhD), and post-graduate study (MA, ResM). Please contact Dr. Pete Davis for further information: pete.davis@plymouth.ac.uk

Research active staff in this area:

Professor Roberto Fraquelli

Dr. Pete Davis

Dr. Mathew Emmett

Research Programmes within Design Knowledge: Mphil/PhD and ResM in Design Thinking

The discipline of design is constantly evolving and responding to rapid commercial and technological advances. Be part of this energy and evolution and address real socio- economic issues in a dynamic, creative studio environment. Delve into the new and exciting ecologies of design practice, the history of design and the material connections design research is making today. Explore all available media and investigate and debate new technologies through a research project of your choosing. Our current research concerns include: Design Strategy, Human Factors, Human Centred Design Process, Inclusive Design, Spatial Architecture, Design Enhancement for Exhibition, Environmentally Sensitive Design, Design Narratives, and Technology: Service and Experiential Design.



Current MPhil/PhD Researchers in Design

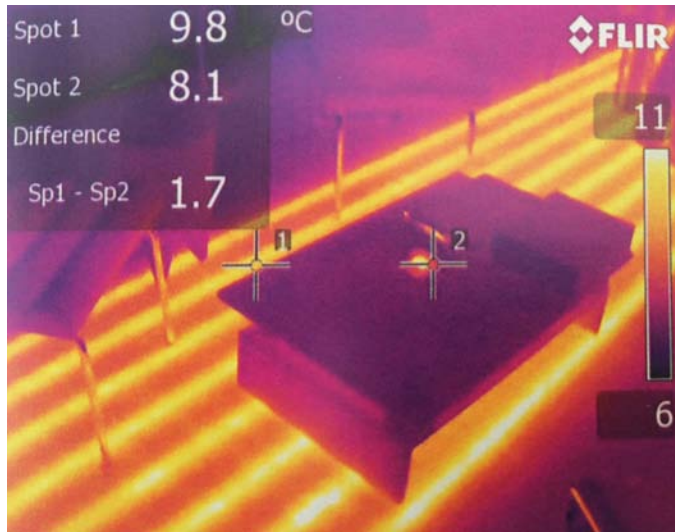
Hana Hapiz PhD Design

Our relationship with and to man-made objects

Fadwa Barakat PhD Design

Designing Complexity: The Reconstruction of National Identity in Jordanian Community





Environmental Building

The building program concentrates on building science and technology, with a strong emphasis on the energy efficiency of buildings. The group has a strong externally funded portfolio of over £2m from sources such as EPSRC (Engineering and Physical Sciences Research Council), Royal Academy of Engineering, Leverhulme Trust, Innovate UK and the European Union. Much of the research is carried out in collaboration with industry partners that range from small local businesses to multinationals. Many of our projects are interdisciplinary, for instance taking place on the interface of building science with civil engineering, computing, or psychology.

Research Programmes within the Environmental Building Group: Mphil/PhD and ResM in Environmental Building

The group has two chairs: Environmental Building (Prof. Steve Goodhew) and Building Performance Analysis (Prof. Pieter de Wilde). Individual research projects cover a breadth of topics, such as building performance simulation, intelligent computing, monitoring, thermography, laboratory and in-situ measurements of material properties, low and zero carbon technologies, post occupancy evaluation, studies of occupant behaviour, and construction management.

Projects cover the levels of post-doctoral research, doctoral studies (MPhil/PhD), and postgraduate study (ResM). Please contact Professor Pieter de Wilde for further information: pieter.dewilde@plymouth.ac.uk

Environmental Building

Research active staff in this area:

Professor Steve Goodhew
Dr Steve Donohoe
Dr Jim Carfrae
Paul Murray

Building Performance Analysis

Research active staff in this area:

Professor Pieter de Wilde
Dr. Alba Fuertes
Dr Rory Jones

Current MPhil/PhD Researchers in Environmental Building

Emma Heffernan PhD Environmental Building

Delivering zero carbon homes

Helen Garmston PhD Environmental Building

*Balancing complexity in decision-making for
façade retrofit*

Matthew Fox PhD Environmental Building

*An investigation of how different thermography
methodologies deal with known limitations for
improved defect detection in buildings*

Syeda Dangana PhD Environmental Building

*A decision support framework for selecting
innovative sustainable technologies for delivering
low-carbon retail buildings*

João de Alencastro MPhil/PhD Environmental
Building

*Construction and the building energy performance
gap: the role of construction management and
inspection techniques*



Please contact Dr. Sana Murrani (sana.murrani@plymouth.ac.uk) if you are interested in undertaking any Postgraduate Research Degree in the School of Architecture, Design and Environment and would like an overview on the process of submitting a research proposal and/or an application.

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