Issue 26 – July 2016

From the Associate Dean Research

Both sides of the mainstream political spectrum at the national level have flagged the industry impacts of university research as a matter of public interest and public policy. The Liberal-National Party coalition in particular has always had a keen interest in the social relevance of research and assuring an appropriate return on investment.

Nearly a decade ago, in April 2007, the RQF (Research Quality Framework) was announced by Julie Bishop as the-then Minister for Education. This was an integration of academic excellence and research impact. It was to play out through assembly of 'evidence portfolios' for research groups (which could have just a handful of researchers) and a peer review process.

Preparation for the RQF was abandoned when Rudd Labor gained government in December 2007. While still promoting industry linkages, the ERA was invented minus the 'research impact' of the Liberals.

Two months before the national election last Saturday 2 July, the Turnbull Government under its National Innovation and Science Agenda released an *Engagement and Impact Assessment Consultation Paper* which canvassed various options for measuring and assessing the industry and community impact of university research. This is a prelude to a trial assessment by the Australian Research Council (ARC) to be run ahead of the ERA in 2018. Despite the political uncertainty in the immediate future, it would seem unlikely to be completely abandoned.

As part of UNSW's submission on the Consultation Paper, the Faculty provided its own feedback drawing from the views of its Research Committee and some senior researchers. A major theme was that because Built Environment's research work spans the social sciences, humanities, creative arts and in places even edges into the harder sciences (e.g. engineering), we would be looking for an assessment approach that does justice to this spectrum - meaning the different research cultures even within the one faculty. Some mix of metrics and 'case studies' seems inevitable, though at what scale of resolution is still not clear.
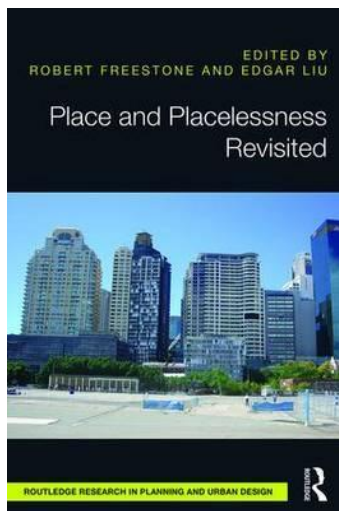
UNSW's submission, coordinated by Professor Emma Johnston, Pro-Vice-Chancellor (Research), supports the Government's intention (through the ARC) to measure engagement with end users of research. By way of indicators, it favours a "broad suite of revenue based metrics …. supported by case studies that emphasise the role universities play in the knowledge exchange channels."

The overall tone again underlines the importance of the UNSW 2025 Strategy in committing us "to work with government, industry and the community to translate research advances into social progress and economic prosperity."

Rob Freestone
Associate Dean Research

Researcher Highlights

NEW BOOK – PLACE AND PLACELESSNESS REVISITED

A new Routledge publication co-edited by Edgar Liu of the City Futures Research Centre and with significant contributions from other BE staff members critically re-examines the provocative ideas of Canadian geographer Ted Relph that were first explored in his classic text, *Place and Placelessness* (Pion, 1976). This year marks the thirtieth anniversary of the original book which helped introduce qualitative place studies into human geography and cognate fields including urban planning and design. The idea of a book emerged with the initiative seized by the People and Place cluster to organise an invited forum in 2014 around the idea of sense of place, injecting a strong applied flavour. Held at UNSW's CBD campus, that event saw a raft of diverse presentations which were effectively previews of most of the chapters in the book. Some of the presentations taped by the research cluster are available through the faculty's website: http://www.be.unsw.edu.au/research-clusters/people-and-place/2014. Allied to the international collaborative initiatives promoted by Professor Alan Peters, the Cluster was able to bring Relph to Sydney to speak as well as two academics from University College London. But most of the chapters in the book are the work of faculty staff representing various programs – landscape architecture, planning, urban design and the City Futures Research Centre - giving the book a strong interdisciplinary flavour. The internationalism is also enhanced in the book with contributions from Matthew Carmona and John Tomaney (UCL), Lucy Montague (Huddersfield, formerly UCL), and Aseem Inam (Toronto). Kim Dovey (Melbourne) also contributed a chapter. The book is published in the Routledge series in Planning and Urban Design edited by Peter Ache (Netherlands).

2016 PLANNING INSTITUTE OF AUSTRALIA (PIA) NATIONAL AWARD

Congratulation to Christine Steinmetz for being awarded the PIA National Award for Planning Excellence in Cutting Edge Research and Teaching category for her book *(Sub)urban Sexscapes: Geographies and Regulation of the Sex Industry*.

2016 National Judges' Citation for the award: *'This volume brings together a range of perspectives on the sex industry – a chronically under-researched area of planning. Planners are often confronted with difficult policy and assessment decisions in relation to commercial sex premises with little empirical and practical guidance on how to anticipate and then manage the array of land use implications of these premises…'* Read more

New Grant Highlights

LINDA CORKERY AND PAUL OSMOND, *Urban Ecology Renewal Investigation (UERI) Project*

The NSW Environmental Trust, Office of Environment and Heritage, has engaged the National Green Infrastructure network, a consortium of researchers from several Universities and CSIRO to develop a set of recommendations which integrate the principles of urban ecology with urban renewal. The aim is to guide the Trust in supporting change across a spectrum of scales—from the individual to institutional (state and local government, industry and practitioners). The overall goal is to bring about improved ecosystem services outcomes for NSW's major cities, including Sydney, Wollongong and Newcastle. The **Urban Ecology Renewal Investigation (UERI) Project** has started with an in-depth desktop research study and will include stakeholder workshops and in-depth interviews with

key individuals to create an evidenced-based 'blueprint' for embedding urban ecology into decision making in urban development policy and planning frameworks.

The project is focused on three themes: the built environment, urban biodiversity and ecology, and the legal and planning policy frameworks. Linda Corkery and Paul Osmond are the UNSW researchers on the Built Environment team, supported by reseach associate Natalie Pelleri (BLArch and MSustDevt UNSW). The full project team includes colleagues from Macquarie University, University of Sydney, UTS and CSIRO. The project will proceed through 2016, with the 'blueprint' document scheduled to be produced in early 2017. Total value of the project is just over $450,000 with some $200K in-kind contributions from consortium members.

Meet the Researchers – Benson Lim

Benson is a senior lecturer in construction management. Prior to moving into academia, he was a platoon sergeant in an elite army unit and worked as a business analyst and an export executive officer for construction and resort development companies. During his time in the private sector, he participated in iconic projects such as the Esplanade Theatre on the Bay and the new Supreme Court in Singapore, as well as Aman and Uma resorts in various countries.

Benson's research interests and expertise are focused around business strategies, management, and competitiveness. His PhD research was on Organisational Flexibility Management, involving development of methodologies and indices for assessing the flexibility potential of construction companies to external influences. As part of his PhD research, he was funded by the National University of Singapore- Berkeley Risk Management Institute to deliver a report for the Monetary Authority of Singapore on "*Flexibility Management to Counter Corporate Financial Risk of Contractors".*

Benson's recent research has been in the area of fairness and corporate social responsibility (CSR) in construction. Together with BE Professor Martin Loosemore and Professor Florence Ling at the National University of Singapore, he has collaborated on a series of studies in Singapore and Australia examining the level of fairness and CSR implementation in the construction industry.

Pursuing his passion with analytics, Benson has been involved with his colleagues (Associate Professor Sid Newton, Associate Professor Imriyas Kamardeen and Russell Lowe) in seeking to develop an Australian Building Analytics Lab (ABAL) at UNSW with the aim of developing and implementing new analytics capabilities relevant to the construction and property industry.

For Session One 2016 he developed a new undergraduate course, "Business Intelligence and Data Analytics" (BLDG4024), for the construction management and property program.

BE Research in the News

Judith O'Callaghan: *Martin Place.* 702 ABC Sydney, Drive, 29 June 2016. Listen online

Susan Thompson: *Bees, chooks and vegies spread through city suburbs*. The Courier Mail, 25 June 2016. View online

Philip Oldfield: *Australia is set to double its tall building stocks.* 612 ABC Radio Brisbane, Afternoons, 22 June 2016. 43 minutes into the program. Listen online

Smart Cities: *With Singapore aiming to become the world's first 'smart nation', Australia needs to embrace technology for its cities to prosper.* News.com.au, 5 June 2016. View online

Susan Thompson: *Is your neighbourhood making you fat?* Sun Herald, Sydney, 5 June 2016.

Susan Thompson: *Residents of dense neighbourhoods with better public transport and parks are healthier.* Sydney Morning Herald, 4 June 2016. View online

Chris Martin: *Randwick boarding houses could be developer's dream.* City Hub, Sydney, 2 June 2016. View online

BE Research on the Web

Altmetrics measures the attention a DOI-linked article receives on the web and tracks outlets such as Twitter, Facebook, LinkedIn, Google+, Wikipedia, Pinterest, blogs, Reddit, The Conversation and other media outlets. A new feature for 2016, each month we will list the top scoring articles from Built Environment and Design, sourced from Altmetric Explorer.

Top-mentioned Articles – from the Faculty

1. **Susan Thompson**: The Routledge Handbook of Planning for Health and Well-Being
2. **Rob Freestone/Edgar Liu**: Place and Placelessness Revisited
3. **Luke Hespanhol**: Vote as You Go
4. **Christine Steinmetz:** (Sub)Urban Sexscapes
5. **Shamila Haddad/Paul Osmond/Steve King:** Revisiting Thermal Comfort Models in Iranian Classrooms During the Warm Season

Top-mentioned Articles - Worldwide

1. Effect of Cool Roofs on Commercial buildings Energy Use in Cold Climates *Energy & Buildings*
2. Integrating 4D Modeling and Discrete Event Simulation for Phasing Evaluation of Elevated Urban Highway Reconstruction Projects *Automation in Construction*
3. Effect of Bicycle Facilities on Travel Mode Choice Decisions *Journal of Urban Planning & Development*
4. Cycling Near Misses: Their frequency, impact and prevention. *Transportation Research Part A: Policy & Practice*
5. Peak Millennials: Three reinforcing cycles that amplify the rise and fall of urban concentration by Millennials. *Housing Policy Debate*

University Updates

INDONESIA RESEARCH ROADSHOW

Riza Sunindijo has been selected as the Faculty's representative for the University's first "research roadshow" to Indonesia which will take place at the beginning of August. The goal of the roadshow is to build stronger research connections between UNSW and Indonesia. The roadshow will be led by Professor Laura Poole-Warren, Pro Vice-Chancellor (Research Training) and Dean of Graduate Research, and coordinated by Julie Ward and Fatmah Syarbini. After an extensive Expression of Interest and abstract process earlier in the year, thirteen UNSW staff were selected to participate.

The roadshow will start in Jakarta with workshops at the University of Indonesia (UI) and Lembaga Ilmu Pengetahuan Indonesia (LIPI). It will then travel to Yogyakarta for a workshop at Universitas Gajah Mada (UGM). UNSW will be working with UI, LIPI and UGM to match our researchers with potential collaborators during the workshops. Research alumni events will also be hold in Jakarta and Yogyakarta.

The Division of Research is currently trying to secure funding for an Indonesia Seed Funding program. The program will be for mobility and workshop purposes and open to all UNSW researchers with projects that have an existing collaboration with an Indonesian partner institution.

News from the Centres

CITY FUTURES RESEARCH CENTRE

City Analytics
The City Analytics team - City Futures will host two visiting fellows (Dr Steven Gray and Jeff Yuefeng) from the Centre for Advanced Spatial Analysis (CASA) at University College London (UCL) 4 - 8 July. During this week City Futures will launch its new City Dashboard and will host a Dashboard workshop in partnership with the Greater Sydney Commission and Urban Growth on 4 July at the UNSW City Campus. For further information contact Chris Pettit.

City Futures Blog
You can now subscribe to the blog – you'll be automatically notified of new posts via email. Posts uploaded in Q2 2016:
- Projections, targets, forecasts and models: how do Sydney's metro strategies try to anticipate our future housing needs?
- Where are the shifting tides of population growth in Australia leading us?
- Where is housing "affordable" in Sydney?
- Housing Shortage? Empty houses, housing affordability and artificial scarcity
- The tax reform right under Turnbull's nose
- High housing costs create worries for city tourism and hospitality
- Resilience through healthy planning
- The Political Economy of the Compact City: the Story from Perth
- The Australian housing market is a house of cards
- The working holiday survives hard times
- The dust up over density
- Might Labor's negative gearing policy yet save the housing market?
- Is community housing set to feature in the Waterloo Estate Rebuild?

CRC FOR LOW CARBON LIVING

The CRC for Low Carbon Living is looking for a motivated individual to join its friendly and energetic headquarters team and play a key role in progressing our ambitious program of work.

The **Utilisation and Impacts Coordinator** is a newly created role designed to provide research utilisation phase strategies, guidance, planning, support services and coordination to research projects, living laboratories and research nodes within partner universities. In this role they will work closely with the research coordinator, to provide support for research implementation, and maximising utilisation potential by reviewing and providing advice on project utilisation phase plans. More information and how to apply can be found here.

HDR News

NEWS AND ANNOUNCEMENTS

June Graduations
Congratulations to the following HDR candidates who graduated recently:

Name	Degree	Supervisors
Ahmed Aghaei Rad	PhD	Stan Fung, Maryam Gusheh and Samer Akkach
Hamid Agiel	PhD	Jon Lang and Dijana Alic
Phillippa Carnemolla	PhD	Catherine Bridge, Oya Demirbilik and Fred Zmudzki
Anumitra Chand	PhD	Martin Loosemore and Susan Thompson
Laura Crommelin	PhD	Simon Pinnegar and Rob Freestone
Anna Field	MPhil	Catherine Lassen and Harry Margalit
Tracey Harvison	PhD	Bruce Judd and Christine Steinmetz
Yingying Li	PhD	Hazel Easthope, Cynthia Wang and Martin Loosemore
Christopher McDonald	PhD	Rob Freestone and Xing Ruan
Anne Warr	PhD	Rob Freestone and Christine Steinmetz

We wish them well in their future research endeavors.

BENV7020 Research Seminar
The BENV7020 Research Seminar will be taught by Dr Laurence Troy in Session 2.
Module one - the two day lecture program - will be held on Monday 19 September and Friday 23 September to be followed by module two on Friday 28 October.

Changes made to the HDR Admissions Process
The HDR Admissions Procedure has gone through extensive consultation and has now been approved. It is available from the Governance Support website at:
https://www.gs.unsw.edu.au/policy/admissionstohdrprogramsprocedure.html
The Graduate Research School (GRS) has revised the admissions procedure and it has now formally reinforced the requirement for supervisors to interview applicants prior to an offer of admission being made. In terms of our faculty, this interview should occur before the applicant submits their Expression of Interest (EOI) to the BE Higher Degree Committee – that is, when supervisors are seriously considering their research proposal.

HDR Social Night: Friday 8 July – STRIKE BOWLING @ The Entertainment Quarter
The HDR cohort will get together on the evening of Friday 8 July for some good old fashioned fun. A game of bowling plus Karaoke and Pool are on the agenda. The event will begin at 6.30pm and conclude at midnight.

6th Annual Built Environment Faculty, HDR Student Conference - *SAVE THE DATE*
Thursday 21 July from 10:15am to 2:00pm in RCG001 – Red Centre Lecture Theatre. Lunch will be provided.
Our annual conference this year will be conducted in a similar fashion to the University 3MT completion. Students will be asked to provide one still slide and give a 3 minute talk about their topic. There will be 5 minutes allocated for Q&A after each talk.

3MT Competition
*Monday 15 August - **SAVE THE DATE***
3pm - 4pm Student 3MT Presentations in Old Main Building G31 (LCTR)
4.30pm – 5.30pm Announcement of winners and presentation of prizes at FBE in Level 2 Meeting Room 2046.

In this competition higher degree research candidates have three minutes to present a compelling oration on their thesis topic and its significance, in language appropriate to an intelligent but non-specialist audience.

The Three Minute Thesis (3MT) Competition supports the development of research candidates' capacity to communicate ideas effectively to a range of non-specialist audiences and to the wider community. Participation in the 3MT provides:

•   A great networking opportunity for research candidates both within Faculties and across UNSW
•   The opportunity for candidates to 'crystallise' thoughts about their thesis and how they communicate their research
•   Internal and external promotion of the value of postgraduate research
•   An opportunity to have fun, and to generate public and media interest in what our researchers do.

The Graduate Research School will host the UNSW 2016 Three Minute Thesis (3MT) Interfaculty Final on Thursday 8 September. The heats will take place in the Leighton Hall, Scientia between 4:30pm and 7:30pm. This is a University-wide competition representing Higher Degree Research Students from nine faculties.

The winner of the UNSW Final will participate in the **2016 Trans-Tasman Three Minute Thesis Competition**, to be held at The University of Queensland on **Friday 30 September** http://threeminutethesis.org/index.html. Drinks and nibbles will be provided.

Postgraduate Council Election
Did you ever want to have an impact on your student life? This is your chance to make your voice heard! Nominations for the 2016-17 UNSW Postgraduate Council (PGC) open on 15 August and close on 25 August. The PGC is a great chance for you to develop professional skills outside of your studies, such as communication, networking, writing and management whilst getting paid! The PGC's aims are to improve student life for all postgrads such as advocating for better entitlements and organising social events. It will give you a chance to interact with students all across the campus and have your say on the universities governance and structure. Besides having an actual influence on what happens around the UNSW campus, getting involved with the PGC is a great way to gain transferable skills and profile. For more information on elections and the PGC please see our website: link

STUDENT COMPLETIONS

Congratulations to the following HDR candidates who have completed their degrees in 2016.

- **Christopher McDonald** (PhD), supervised by Rob Freestone and Xing Ruan;
- **Hamid Aghaei Rad** (PhD), supervised by Stan Fung, Maryam Gusheh and Samer Akkach;
- **Ahmed Agiel** (PhD), supervised by Jon Lang and Dijana Alic;
- **Yingying Li** (PhD), supervised by Hazel Easthope, Cynthia Wang and Martin Loosemore;
- **Sanaz Hosseinabadi** (PhD), supervised by Jon Lang and Harry Margalit;
- **Prajakta Sane** (PhD). Supervised by Harry Margalit and Maryam Gusheh;

We wish them well in their future endeavours.

MONTHLY COHORT WORKSHOP
The next monthly HDR cohort workshop with be held on Wednesday 6 July from 11am in the AGSU Room (RC2001). Agenda TBC - All welcome to attend.

Research Clusters News

HIGH PERFORMANCE ARCHITECTURE CLUSTER

The HPA Research Cluster held its first seminar titled 'Spatial Pattern Analysis of Relative Higher Buildings using Airborne Lidar within the GIS Environment' in June. The forthcoming seminars will include an invited talk by Steve Selkowitz, who is a building scientist and leading researcher of energy efficiency at Lawrence Berkeley National Laboratory, US, and HDR student talks to facilitate communication and collaboration within the Cluster.

A UNSW NODE of Excellence Steering Committee Meeting and Workshop were successfully conducted in June, consisting of Directors from UrbanGrowth NSW, City of Sydney, Brookfield Multiplex, AECOM, HASSELL, CSR, PIDCOCK - Architecture + Sustainability, academic representatives from the UNSW Faculties of Built Environment, Engineering and Science, and CRCLCL NODE students. The activity aims to establish a long term strategic partnership with potential government and industry stakeholders.

The SBE16 Sydney Conference Organising Committee has extended the full paper submission deadline to **31 July 2016**. Registration for the conference remains open, click here to register and receive the discounted early bird rates. Keynote Speakers are from both academia and industry. UrbanGrowth NSW supports the conference as a Gold Sponsor.

Upcoming Events

UTZON LECTURE

Colliding Worlds: Health, Wellbeing, Design and Built Environments
Associate Professor Oya Demirbilek, UNSW Built Environment
Associate Professor Oya Demirbilek is passionate about the ways industrial design can enhance life for everyone, and in particular for an ageing population. She loves to teach about design research methods, universal design and empathy.

Oya brings many years of teaching, research and freelance design work to her current role. She is currently the Associate Dean Education at the Built Environment, and Associate Professor in the Industrial Design Program at UNSW. Prior to this, Oya held other positions at UNSW. She was Program Head for Industrial Design (2006-09), Senior Lecturer - Industrial Design Program (2003-09), and Postgraduate Program Director for the MID and MSc(IDES) Postgraduate Programs (2002-05). Prior to this she was a Lecturer within the Department of Industrial Design (2000-02).

Prior to joining UNSW, Oya was an Assistant Professor at the Middle East Technical University (METU), Turkey, where she previously held a Lecturer position (1997-99), and a Research Assistant position (1990-97). Oya also held an Instructor position with the Department of Product Design, at the Art Center College of Design (Europe), La Tour-de-Peilz, Switzerland (1989-90).

Wednesday 27 July 6.30pm UNSW Ainsworth Theatre

Registration

FACULTY RESEARCH SEMINAR

A private rental sector paradox: unpacking the effects of urban restructuring on housing market dynamics
Dr Judith Yates, Honorary Associate Professor in Economics, University of Sydney

The private rental sector (PRS) is growing in many advanced economies due to declining home ownership and retrenchment in social housing. This presentation examines changes in the PRS in the context of housing market change and ongoing urbanisation processes. Using the example of Australia, it identifies a paradox when examining detailed changes in PRS composition between 1996 and 2011. Increasing demand from higher and lower income households has occurred alongside increasing concentration of supply in midmarket segments. The paper discusses possible explanations of this mismatch.

Judith Yates has been an Honorary Associate Professor in Economics at the University of Sydney since 2009, following a career of over 40 years in academia. She joined UNSW as a Senior Visiting Fellow in 2014. Judith's primary research has been in housing economics, finance and policy. She produced background papers for the Australian Financial System Inquiry in the 1980s, for the Australian Government's National Housing Strategy in the 1990s, and was a member of the National Housing Supply Council in the 2000s. Judith has served on numerous advisory committees and boards, including the board of the Commonwealth Bank of Australia and the NSW Home Purchase Assistance Authority. She holds a Doctor of Economic Science from the University of Amsterdam and a Bachelor of Economics (Hons) from the Australian National University.

Wednesday 13 July 12-1pm Level 2, Meeting Room 2001 AGSU, Red Centre West Wing

Registration

THE FIFTH AUSTRALASIAN CONFERENCE OF UNDERGRADUATE RESEARCH 2016 (ACUR)

This two-day conference will include presentations by undergraduate students, Master of Research students (1st year only) and graduated 2015 Honours students from all disciplines across Australasia. The themes of the conference are sustainability, innovation, social justice and the student voice. If you would like to present your work at the conference, the **deadline for an abstract or paper submission is <u>now!</u>.**

27-28 October 2016, CQ University Australia, Rockhampton, Queensland

More information   Registration

Publications

The following 2016 research activities have been entered into <u>ROS</u> since the release of the last newsletter.

Books

Freestone, R., & Liu, E.(eds) (2016). *Place and Placelessness Revisited* (First ed.). New York: Routledge.

Book Chapters

Bridge, C., & Carnemolla, P. K. (2016). Effective Home Modification Practice. In M. Curtin, & M. Molineaux (Eds.), *Occupational Therapy and Physical Dysfunction* (7th ed.).

Freestone, R., & Wiesel, I. (2016). Place-making in the Rise of the Airport City. In *Place and Placelesness Revisited,* New York: Routledge, pp. 168-185.

Liu, E. (2016). Placelessness and the Rigid Perception of Place Identities: Public Toilets as Multi-functional Places. In R. Freestone, & E. Y. Liu (Eds.), *Place and Placelessness Revisited* New York: Routledge, pp. 204-219. Retrieved from https://www.routledge.com/Place-and-Placelessness-Revisited/Freestone-Liu/p/book/9781138937116

Liu, E., & Freestone, R. (2016). Revisiting Place and Placelessness. In R. Freestone, & E. Liu (Eds.), *Place and Placelessness Revisited*. New York: Routledge, pp. 1-19.

Osmond, P. W., & Blair, J. (2016). Green roof retrofitting and conservation of endangered flora. In S. J. Wilkinson, & T. Dixon (Eds.), *Green Roof Retrofit: Building Urban Resilience,* Oxford: Wiley-Blackwell, pp. 140-157. Retrieved from http://au.wiley.com/WileyCDA/WileyTitle/productCd-1119055571.html

Osmond, P. W., & Irger, M. (2016). Green roof retrofit and the urban heat island. In S. J. Wilkinson, & T. Dixon (Eds.), *Green Roof Retrofit: Building Urban Resilience*. Oxford: Wiley-Blackwell, pp. 37-61. Retrieved from http://au.wiley.com/WileyCDA/WileyTitle/productCd-1119055571.html

Journal Articles

Carnemolla, P. K., & Bridge, C. (2016). Accessible Housing and Health-Related Quality of Life. *International Journal of Architectural Research*, *10*(2).

Chand, A. M., & Loosemore, M. (2016). Hospital disaster management's understanding of built environment impacts on healthcare services during extreme weather events. *Engineering, Construction and Architectural Management*, *23*(3), 385-402. doi:10.1108/ECAM-05-2015-0082

Elliott, P., Wadley, D., & Han, H. H. (2016). Modelling Homeowners' Reactions to the Placement of High Voltage Overhead Transmission Lines. *International Planning Studies*.

Glover, K., & Steinmetz, C. A. (2016). Are we satisfied?. *New Planner*, (107), 18-19. Retrieved from http://www.planning.org.au/documents/item/7656

Haddad, S., Osmond, P., & King, S. (2016). Revisiting thermal comfort models in Iranian classrooms during the warm season. *Building Research & Information*, 1-17. doi:10.1080/09613218.2016.1140950

Han, H. H., & Kim, J. (2016). Variations in Ageing in Home and the Ageing in Neighbourhood. *Australian Geographer*.

McCue, P., & Thompson, S. M. (2016). FitNSW Helping to reduce childhood obesity rates. *New Planner*, 28. Retrieved from http://www.planning.org.au/documents/item/7656

Williams, P. (2016). Pecuniary interest breach by councillor in planning decisions. *New Planner*, (107), 9. Retrieved from http://www.planning.org.au/documents/item/7656

Conference Papers

Haddad, S., Paul Osmond, D., & Steve King, M. (2016). Relationship between children's comfort temperature and outdoor climate: some methodological issues. In *9th Windsor Conference: Making Comfort Relevant*. Cumberland Lodge, Windsor, UK.

Loosemore, M., & Chow, V. W. Y. (2016). Managing Network Risks in Health Facilities. In S. Nenonen, & J. -M. Junnonen (Eds.), *Understanding Impacts and Functioning of Different Solutions* Vol. IV (pp. 345-355). Tampere, Finland: Tampere University of Technology, Department of Civil Engineering. Retrieved from https://tutcris.tut.fi/portal/files/6186967/WBC16_Vol_4.pdf

Rodrigo, R. (2016). From Eyesore to Icon: Reappraising Sydney's Sirius Apartments (1975-80). In C. Bosman, & A. Dedekorkut-Howes (Eds.), *From Eyesore to Icon: Reappraising Sydney's Sirius Apartments (1975-80)*. Gold Coast. Retrieved from https://www.griffith.edu.au/__data/assets/pdf_file/0004/863320/UHPH16-Proceedings-FINAL_15-06-16-1.pdf

Sunindijo, R. Y. (2016). Potential strategies to improving safety in small construction organisations. In *CIB World Building Congress 2016*. Tampere, Finland. Retrieved from https://www5.shocklogic.com/scripts/jmevent/programme.php?client_Id=FACE&project_Id=WBC16

Creative Written Works

Loosemore, M. (2016). *The Role of Clients in Driving Innovation*. Sourceable.net. Retrieved from https://sourceable.net/the-role-of-construction-clients-in-driving-innovation/

Loosemore, M. (2016). *Subcontractors Speak out on Productivity*. Sourceable.net. Retrieved from https://sourceable.net/subcontractors-speak-productivity/

Loosemore, M. (2016). *Supporting Indigenous Entrepreneurship in Australian Construction*. Sourceable.net. Retrieved from https://sourceable.net/supporting-indigenous-entrepreneurship-in-australian-construction/

Martin, C. L. (2016). *Might Labor's negative-gearing policy yet save the housing market?*. The Conversation. Retrieved from https://theconversation.com/might-labors-negative-gearing-policy-yet-save-the-housing-market-59989

New External Grants Awarded

John M Blair
Transport for NSW/State Government Contract: $12,000
Carbon Storage/Sequestration and Air Pollution Absorption Potential in the Rail Corridor

Chris Pettit
NSW Department of Finance Services & Innovation/State Government Contract: $99,950
Modelling a synthetic population and their demand on social infrastructure

Francesco Fiorito
Global Connections Fund (GCF)/Priming Grant: $7,000
ATSE Priming Grant

Laurence Troy
Tenants Queensland Inc/Contract Research: $24,377
Rental Vulnerability Index

Chris Pettit
Sydney Water Corporation/State Government Contract: $60,000
Developing a framework for collaborative multi-agency scenario planning

Chris Pettit
CRC For Low Carbon Living Limited/Research Grants: $311,103
Community co-design of low carbon precincts for urban regeneration in established suburbs

Lan Ding
CRC For Low Carbon Living Limited/Research Grants: $131,653
Validating and improving the BASIX energy assessment tool for low-carbon dwellings - Phase 2

New Internal Grants Awarded

Ainslie Murray
Early Career Research Grant: $8,000
Everyday Life in the Atmosphere: Continue to analyse and interpret data towards the development of a major creative work

Anir Upadhyay
Early Career Research Grant: $8,000
Eco-renovations: Improving energy efficiency of existing housing stock during home renovations

Laura Crommelin/Chris Martin/Laurence Troy
Early Career Research Grant: $9,000
This House is Not a Home: Exploring the use of residential property for non-residential uses in Sydney

Christian Tietz
Early Career Research Grant: $8,000
Domestic Use of Public Space: Improving park amenities for community use in a time of increasing urbanisation

Marjo Niemela
Early Career Research Grant: $8,000
Bridging the Gap Between Digital Fabrication and Robotics

Mohammed Mojtahedi
Early Career Research Grant: $8,000
Measuring the Resilience of Local Councils' Buildings and Infrastructure to Flood Disasters

Samad Sepasgozar/Cynthia Wang
Early Career Research Grant: $9,000
Trialling Real-time Locating System Technologies for Construction Operation Management

David Sanderson
Faculty Research Grant: $10,000
Matching Supply to Changing Demand: Gauging future urban vulnerability in the Asia Pacific region to build effective resilience

Dijana Alic
Faculty Research Grant: $9,000
Projections of Conflict: Articulating the destruction of architectural heritage

Imriyas Kamardeen/Martin Loosemore
Faculty Research Grant: $10,000
Suicide in the Construction Industry: An investigation of construction company management strategies at an operative level

Katrina Simon
Faculty Research Grant: $8,000
Designing for Sudden Urban Disruption: Devising new typologies for the opportunistic creation of urban open space systems

Laurence Kimmel/Samantha Donnelly
Faculty Research Grant: $10,000
Far From Country: Contemporary interiors in Aboriginal communities

Rina Bernabei/Marjo Niemelä
Faculty Research Grant: $10,000
Craft and Digital Artisanship

Philip Oldfield/Gethin Davison
Faculty Research Grant: $10,000
Regulating Apartment Design: International best practice and approaches to the evaluation of development outcomes

Lan Ding/Chris Pettit
Scholarship of Learning and Teaching: $3,000
Development of an Immersive 3D Virtual Environment to Support Team Collaboration of Students

Philip Oldfield/Stephen Ward/Catherine Evans
Scholarship of Learning and Teaching: $3,000
International Students @ BE: Experience, Performance and Satisfaction

Marjo Niemelä
Scholarship of Learning and Teaching: $3,000
The pedagogy of integrating robotics into design teaching

Mohammad Mojtahedi/Bee Oo
Scholarship of Learning and Teaching: $3,000
Formation of an evidence-based interpersonal competency assessment framework (i-CAF)

Funding/Research Opportunities

WELLCOME TRUST: INVESTIGATOR AWARDS IN HUMANITIES AND SOCIAL SCIENCE (UK)
These awards offer flexible funding support to researchers in established posts at all career stages working on important questions of relevance to health.

Scheme at a glance
Career stage: Early, Intermediate, Senior, Returning to research
Where your host organisation is based: UK, Republic of Ireland, Low- and middle-income countries
Level of funding: From under £300,000 to around £1 million
Duration of funding: Up to 5 years
More information
External Deadline: 8 July 2016

SAO PAULO RESEARCH FOUNDATION (FAPESP) - UNSW JOINT RESEARCH GRANTS
Applications are now open for UNSW researchers to submit joint grant proposals for collaborative research partnerships with researchers from the State of São Paulo. The grants aim to foster scientific and technological cooperation between researchers from UNSW and the State of São Paulo and include joint funding for collaborative research activities and academic mobility.

Applicants are encouraged to submit funding applications for innovative and sustainable programs in the areas of science, engineering and technology built around collaborative research initiatives. Applications require a joint submission by both a UNSW researcher(s) and their collaborators based at a higher education institution in the State of São Paulo, Brazil. More information
External Deadline: 25 July 2016

FACULTY FUNDING FOR CONFERENCES, BOOKS, VISITORS, SYMPOSIA, SPECIAL PROJECTS
The existing schemes for conference attendance, book publications, international visitors and exhibitions/symposia are all open for application. There is no closing date for these schemes. Further information and application forms available on the faculty intranet:

- Special Project Development Grants
- Book Publication Subsidy
- Research Symposia/Exhibitions
- Visiting International Scholars
- Conference Funding

Researcher Development – UNSW Workshops

Data Visualisation with Google Fusion Tables
Tue 5 July 9.30am – 12.30pm
Want to learn how to import, sort and merge data? Google Fusion Table is an experimental data visualisation web application to gather, visualise and share larger data tables.
Register

Cleaning and Exploring Your Data with Open Refine
Thu 7 July 9.30am – 12.30pm
What are the features of Open Refine? This workshop is an introduction to Open Refine, a powerful tool for cleaning, normalisation and exploration of datasets.
Register

Powerful Text Searching and Matching with Regexes
Thu 7 July 2.00 – 4.00pm
Ever wanted to extract a phone number or an email address from a block of unstructured text? This workshop will explore how regular expressions can be used to search text efficiently.
Register

Software Carpentry 2-day Workshop
Mon 11 July and Tue 12 July, 9.30am – 5.30pm
Looking to develop the core coding skills needed to be productive in a small research team? This 2-day workshop for HDRs is an introduction to the Unix command line, programming in Python, and version control using Git.
Register

Research Data Management Techniques
Tue 12 July 9.30am - 12.30pm
This workshop is ideal for researchers who want to know how research data management can support project success and are interested in research data management services and support available at their institution. Combining slide-based background material, discussions, case studies and a take-home checklist, this workshop will equip participants with best practices for managing their valuable research data.
Register

Parallel Programming for HPC (Advanced)
Mon 18 July 9.30am – 4.30pm
This course is targeted at C and Fortran programmers. It gives an introduction into different parallel programming methods. OpenMP as a wide-spread method for a shared memory programming model and MPI as the standard for a distributed memory programming model are discussed.
Register

Intensive Beginner to Intermediate HPC – Introduction to UNIX for HPC
Wed 20 July 9.30am – 5.30pm and Thu 21 July 9.30am – 1.30pm
This is a two day course for high Performance Computing is a very powerful tool to use when facing computationally intensive tasks. If you are waiting hours or days for your computer to crunch through your data, this course is for you! It will enable you to use the HPC facilities available to the university through its support agencies such as Intersect and NCI. If you're using one or more of a very broad range of applications currently supported, this should allow you to use the application you are familiar with to process your data much more quickly.
Register

Related Links

BE Research Resources

UNSW Research