



## Built Environment Research News

Never Stand Still

Built Environment

Research

Issue 28 – September 2016

### From the Associate Dean Research

As work continues on the development of a new faculty strategic plan, the importance of aligning our research aspirations to the vision and implementation of the broader UNSW 2025 Strategy stands as a fundamental consideration. An instructive reminder of that came late last month at a “Town Hall” update on research issues presented by the University’s senior research management executives. The well-attended lunchtime meeting was chaired by DVC (Research) Professor Nick Fisk. The other speakers were Brian Boyle (DVC Engagement), Emma Johnston (PVC Research), Laura Poole-Warren (PVC Research Training), and Grainne Moran (PVC Research Infrastructure).

It was noted that two thirds of the strategy spend (\$2bn) was going into research quality, highlighting the importance of maintaining UNSW’s position as a leading research-led university and climbing up and staying within the top 50 of all global university rankings.

A number of key initiatives to support the strategy were outlined including:

- Development of a web-based dashboard for researchers to keep better track of their grant-related financial transactions
- Development of a web-based dashboard providing comparative research performance data enabling all researchers to benchmark themselves
- An emerging focus on increasing Category 2-4 research income, reflecting the change to the federal government’s research funding model
- The SHARP program for recruiting elite researchers and the importance of attracting highly cited researchers who can make a real difference to university rankings
- The Scientia Fellowships and Scholarships programs respectively aimed at outstanding post-doctoral researchers and PhD students
- Development of the concept of Interdisciplinary Research Institutes (IDIs) influenced by similar entities at the University of Queensland
- Research infrastructure support pathways via the capital works program, the ‘Stats Central’ initiative, support for SHARP proposals and the TORCH innovation precinct.
- The rebadging of the old MREII program to a Collaborative Research Infrastructure Scheme
- The University’s aim to double our knowledge exchange generation by 2020 to some \$240 million through establishment of research incubators, increasing contract research, development of science parks and increasing partnership opportunities.

Questions and comments from the audience revolved mainly around rankings, research metrics and the research dashboard. Overall, the presentations reinforced many of the key themes relevant to BE’s own strategic planning thinking: the twin peaks of scholarly excellence and industry engagement/impact, the value being attached to working within interdisciplinary and collaborative networks, and ensuring that the university is well positioned at the crossroads of informed discussions and debate.

Such themes will inevitably inform our articulation of research goals and initiatives for the faculty moving forward - the next year, the next three years, indeed the next decade.

Rob Freestone  
Associate Dean Research

---

## Researcher Highlights

### LIFE WHEN RENTING WORKSHOP

The Life When Renting Project is one of seven projects funded under New Zealand's Ageing Well National Science Challenge. It is a multi-disciplinary, cross-sectoral project structured around five components. One of those components focuses on the relationship between tenure, in-home care and residential care transitions.



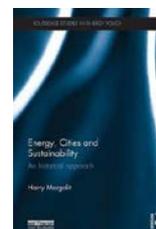
Enabling Built Environments Program (EBEP) organised a two day workshop (1st & 2nd August) to outline this New Zealand research programme, which focuses on the implications for older people and their growing dependence on the rental market and what can be learned from Australian research.



The New Zealand researchers involved in the Transition component of this research programme and who attended the two day workshop were Professor Jackie Cumming and Dr Megan Pledger from the Health Services Research Centre, Victoria University Wellington, Dr Bev James, Public, Policy and Research, and Dr Kay Saville-Smith, CRESA.

### BOOK – ENERGY, CITIES AND SUSTAINABILITY: AN HISTORICAL APPROACH

Associate Professor Harry Margalit (Architecture) presented some themes from his recent book *Energy, Cities and Sustainability: an historical approach* (Routledge) to the Sydney Forum for Architecture and Urban Design (SFAUDI) on 18 August. This was followed by a well-attended public lecture on the book to practitioners, students and staff at the University of Canberra on 25 August.



### FBE TO HOST RESILIENCE EVENT AT THIS OCTOBER'S HABITAT III CITIES SUMMIT



An application from Professor David Sanderson to hold an event at this year's HABITAT III Summit, organised by the United Nations cities agency UN-Habitat, has been successful. HABITAT so far has been held every 20 years, and brings together governments, UN agencies, donors and academics. Over 1000 applications to run such events were submitted.

HABITAT III will take place in Quito, Ecuador, 17-20 October. The two-hour 'networking' event, titled *Resilient Urban Futures*, will comprise the launch of two new publications, and will involve two panel discussions of contributing authors.

The publications are: *The 2016 World Disasters Report 2016. Resilience: saving lives today, investing for tomorrow* (editors David Sanderson and Anshu Sharma), IFRC, Geneva; and *Urban Disaster Resilience: new dimensions from practice in the built environment*, (Editors David Sanderson, Jerold Kayden and Julia Leis), Routledge, New York.

Confirmed panelists for the *World Disasters Report* panel are:

- Dr Shipra Narang Suri, Vice-president, International Society of City and Regional Planners (ISOCARP), Delhi, India
- Liliانا Miranda, ECO-CIUDAD, Lima, Peru
- Graham Saunders, Head, Shelter and Settlements, IFRC, Geneva
- Josef Lloyd Leitmann, Resilient Recovery and Urban Resilience, World Bank

Confirmed panelists for the *Urban Disaster Resilience* panel are:

- Professor Pablo Allard, Dean, Facultad de Arquitectura y Arte Universidad del Desarrollo, Chile
- Professor Jerold S Kayden, Harvard University, Cambridge, USA
- Dr Ronak Patel, Emergency medicine physician, Stanford University, California, USA
- Dr Pamela Sitko, Global urban advisor, World Vision International.

The panels will be moderated by David Sanderson.

UNSW's FBE is the named lead of the event; the other named partner organisations are the International Federation of Red Cross and Red Crescent Societies (IFRC) and the Department of Urban Planning and Design, Harvard University Graduate School of Design'.

---

## New Grant Highlights

### **CHRIS PETTIT, *Rapid Analytic Interactive Scenario Explorer (RAISE)***

Based on BE's growing expertise in urban data analytics, the RAISE Project has recently started, which is funded by the CRC for Spatial Information and Parramatta City Council (\$390,062). The RAISE project will employ cloud-based mapping technology to build, apply and evaluate a toolkit to analyse and visualise property-level land values under different development scenarios, and, through initial testing in Western Sydney, allow city planners and their partners to investigate different transport infrastructure options and the potential for value capture policies to contribute funding to the infrastructure. BE researchers involved in the RAISE Project are Prof Chris Pettit (Project Leader), Dr Hoon Han, Dr Scott Lieske and Ryan van den Nouwelant.

---

## Meet the Researchers – Simone Leao



Dr Simone Z. Leao joined the City Futures Research Centre as a Research Fellow in Urban Modelling and Simulation in November 2015. Prior to this, Simone worked as a lecturer and researcher at Salford University (UK), Deakin University (Australia), and Universidade Federal do Rio Grande do Sul (Brazil). She has also been a visiting academic at University of Cape Verde (Cape Verde), Faculty of Geo-Information Science and Earth Observation (ITC, Enschede, The Netherlands), and the Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences (RCEES/CAS, Beijing, China). Simone combines degrees in Environmental Engineering, Urban and Regional Planning, and Geomatic Engineering (PhD, University of Melbourne, 2003).

Simone's research expertise is in the development and application of computer technologies for modelling, simulation and visualisation of spatio-temporal urban and environmental processes, with the goal of better understanding current patterns and proposing new patterns which can lead to more sustainable and resilient places for society. Her teaching experience includes urban ecology, geographic information systems, remote sensing, urban modelling and simulation, research methods, and digital cities. Some of her recent research projects include participatory noise mapping with mobile phones, long-term climate change mapping in urban areas, agent-based modelling of

bicycling, demand on urban infrastructure by synthetic population, and 3D scenario building of economic feasibility of urban renewal.

Simone has attained around \$300,000 from governments and industry partners to fund research projects, and results and findings from these projects have been reported in more than 40 refereed conference papers and journal articles.

In an era of big data and smart cities, advanced analytical skills are increasingly required for evidence-based urban planning and decision-making. As part of the new team on Data Analytics established at the City Futures Research Centre in 2015 by Professor Chris Pettit, Simone is contributing to development of innovative techniques to collect, analyse, and visualise urban digital data through research projects with industry partners.

---

## BE Research in the News

**Deo Prasad:** *Blue ribbon Libs go green.* City Hub, Sydney, 25 August 2016. [View online](#)

**Chris Pettit:** *The six key challenges for Sydney and Melbourne to be smart cities of the future.* Perth Now, 22 August 2016. [View online](#)

**Chris Pettit:** *Who has the right to use the roads?* BBC World News, 16 August 2016. [View online](#)

**City Futures:** *Aussies good at adapting.* The Australian, 17 August 2016.

**Glenn Murcutt:** *A new mosque complex in Melbourne...* ABC Radio, Midday, 2 August 2016. [Listen online](#)

**Philip Oldfield:** *Central Sydney reaches skyward.* SNL.com, 29 July 2016. [View online](#)

**Philip Oldfield:** *City of Sydney looks to the sky in largest development in three decades.* Altmedia.com, 20 July 2016. [View online](#)

**Katy Bridge:** *Are we genuinely engaging with senior Australians in urban Design?* Sourceable, 6 July 2016. [View online](#)

*Have you have had your research mentioned in the media recently?  
Please send details to [Frances Pranoto](#) for inclusion in the next newsletter.*

---

## 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. **Robert Freestone:** [Olympic Cities](#)
2. **Susan Thompson:** [The Routledge Handbook of Planning for Health and Well-Being](#)
3. **Rob Freestone/Edgar Liu:** [Place and Placelessness Revisited](#)
4. **Shamila Haddad/Paul Osmond/Steve King:** [Revisiting Thermal Comfort Models in Iranian Classrooms During the Warm Season](#)
5. **Carlos Bartesaghi Koc/Paul Osmond/Alan Peters:** [Towards a comprehensive green infrastructure typology: a systematic review of approaches, methods and typologies](#)

## Top-mentioned Articles - Worldwide

1. [Hidden Costs and Deadweight Losses: Bundled Parking and Residential Rents in the Metropolitan United States](#) *Housing Policy Debate*
2. [Big Pharma's Internationalization of R&D to China](#) *European Planning Studies*
3. [Voluntary Collaboration for Adaptive Governance: The Southeast Florida Regional Climate Change Compact](#) *Journal of Planning Education & Research*
4. [Renting with pets: a pathway to housing insecurity?](#) *Housing Studies*
5. [Smarter than Smart: Rio de Janeiro's Flawed Emergence as a Smart City](#) *Journal of Urban Technology*

---

## News from the Centres

### CITY FUTURES RESEARCH CENTRE

Since the beginning of the year [City Futures Blog](#) had 8,744 pages views from 4,103 visitors and uploaded 28 new posts:

- [The 30 Minute City \(part 2\): challenges and opportunities in Western Sydney](#)
- [The 30 Minute City \(part 1\): opportunities and challenges](#)
- [Art, Literature and the Census](#)
- [Ditching Logan's public-private regeneration sets Queensland back on social and affordable housing](#)
- [Apartment construction boom: is this the end of the dream?](#)
- [It's not easy being green, especially when affordable help is so hard to find](#)
- [Housing's back](#)
- [NSW tenancy law review misses on security for tenants](#)
- [Is community housing set to feature in the Waterloo Estate Rebuild?](#)
- [Might Labor's negative gearing policy yet save the housing market?](#)
- [The dust up over density](#)
- [The working holiday survives hard times](#)
- [The Australian housing market is a house of cards](#)
- [The Political Economy of the Compact City: the Story from Perth](#)
- [Resilience through healthy planning](#)
- [High housing costs create worries for city tourism and hospitality](#)
- [The tax reform right under Turnbull's nose](#)
- [Housing Shortage? Empty houses, housing affordability and artificial scarcity](#)
- [Where is housing "affordable" in Sydney?](#)
- [Where are the shifting tides of population growth in Australia leading us?](#)
- [Projections, targets, forecasts and models: how do Sydney's metro strategies try to anticipate our future housing needs?](#)
- [Would negative gearing reform push up rents?](#)
- [Climate Change Adaptation for Settlements and Infrastructure](#)
- [Tax reform for affordable housing: Labor's negative gearing and capital gains tax proposals](#)
- [Tenancy law reform for 'secure occupancy'](#)
- [More questions than answers in NSW 'strategic housing' announcement](#)
- [Hopes of a new urban age survive minister's fall](#)
- [Housing is overpriced because it is undertaxed](#)

If you would like to know more about the Centre and its project, please visit our website <https://cityfutures.be.unsw.edu.au/>.

---

# HDR News

## NEWS AND ANNOUNCEMENTS

### **BENV7020 Research Seminar**

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

### **2016 UNSW Built Environment 3 Minute Thesis (3MT) Competition**

#### **WINNERS:**

**Mengbi Li**



**Aida Eslami Afrooz**



**Alicia Mintzes**



The Faculty heats of the 3MT were held on Monday 15 August. Fourteen students entered the competition and their performance was outstanding. We would like to particularly congratulate the three winners from the Faculty heats Mengbi Li, Aida Eslami Afrooz and Alicia Mintzes.

The Graduate Research School will host the UNSW 2016 Three Minute Thesis (3MT) Interfaculty Final on Thursday 8 September where the faculty winners will represent FBE. 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>

Judges for the 2016 Faculty 3MT Heats were:

1. Hazel Easthope
2. Christine Steinmetz
3. Riza Sunindijo
4. Oya Demirbilek
5. Bruce Judd

### **HDR NEW STUDENT INDUCTION DAY**

The Induction Day for all our new HDR students is planned for Thursday 15 September. Introduction to the Faculty, its Facilities and Services, along with information on Research Funding, Ethics and the APR Process will be covered. This will be followed by a luncheon, to which supervisors, the BE Executive and the HDR cohort will be invited, providing an opportunity for our new students to meet and socialise with their colleagues.

### **MONTHLY COHORT WORKSHOP**

Our next monthly cohort workshop is scheduled for Wednesday 7 September from 11am in the AGSU Room (RC2001). All are welcome to come along.

---

## Research Clusters News

### High Performance Architecture

#### **SBE16 International High-Performance Built Environments Conference – *Early Bird Registration***

The SBE16 Sydney conference will be held at the Australian National Maritime Museum on 17-18 November 2016. Early bird registration deadline is 30 September 2016. Register now and take advantage of Early Bird savings of \$100 at: <http://www.sbe16sydney.be.unsw.edu.au/registration.html>

Keynote speakers from world-leading academic and industry representatives are:



**Professor Helen Lochhead**

Dean of UNSW Built Environment and former deputy NSW Government Architect



**Scientia Professor Deo Prasad AO**

CEO of the CRC for Low Carbon Living and Fellow of the Australian Academy of Technological Sciences and Engineering



**Professor Matheos Santamouris**

Professor of Energy Physics at the University of Athens and Inaugural Anita Lawrence Chair in High Performance Architecture at UNSW



**Professor Peter Newton**

Research Professor in Sustainable Urbanism at Swinburne University of Technology in Melbourne and Research Leader in the CRC for Low Carbon Living



**Mr Nils Larson**

Executive Director of the International Initiative for a Sustainable Built Environment and Co-owners CIB, iiSBE, UNSW-SBCI and FIDIC



**Professor Dennis Else**

Executive Director, Sustainability, Safety & Health, Brookfield Multiplex, and Board member of the CRC for Low Carbon Living

#### **HPA Research Cluster Seminar – 14 September 2016**



The next HPA Research Cluster seminar will take place on Wednesday 14 September 2016, 1-2pm in Room 4035 in the Red Centre. Associate Professor Robert Barnstone will be talking about “Wood Composite Engineering”. Robert is an Associate Professor of Architecture spending 15 years at Washington State University (WSU) where he taught architectural design, furniture design and architectural theory. He holds degrees in sculpture and architecture from Bennington College, the AA, London and a Master of Architecture from Harvard University. He is a principal with ABD Sydney, and a working sculptor. Architecture projects include: Artists' housing for Franconia

Sculpture Park in Shaker, Minnesota and a test building for the U.S. Navy and the Wood Materials Engineering Laboratory, at WSU.

### **People and Place Cluster – 21 September**

Planning is now well underway for the Cluster's fourth research–industry forum to be held at UNSW on 21 September. Entitled *Resilience for People and Place: Research, policy and practice synergies* this will be a facilitated workshop for invited researchers, practitioners, policy makers and students. As well as determining a multidisciplinary definition of resilience relevant to people and place in contemporary urban settings, we will define some key resilience issues (as precursors to specific projects) that bring research to inform pressing policy and practice challenges in the 21<sup>st</sup> century city. Beck Dawson (Resilience Officer with the City of Sydney) and Professor David Sanderson are our keynote speakers. Anyone interested in attending, please contact Cluster Co-Convenors [Dr Kate Bishop](#) and [Professor Susan Thompson](#).

---

## Upcoming Events

### **FACULTY RESEARCH WORKSHOP – Human Research Ethics Negligible Risk Applications: New Process**

**Russell Lowe**, *Convenor of BE Human Research Ethics Panel (HREAP)*

*Tuesday 6 September 12.30pm - 1.30pm (lunch from 12.15pm), Room 4035 Level 4 Red Centre*

The University has instituted a new Negligible Risk application process for human research that presents less than minimal risk to the participants. The HREAP's expectation is that a great deal of the research in Built Environment will fall into this category. Advantages to researchers may include a speedier application process, faster turnaround times and less reporting when compared to the minimal risk process. Come along to hear if this process applies to your research and get valuable advice on completing and submitting your applications to reduce delays.

[Register](#)

### **THE 2<sup>ND</sup> BIKE FUTURES SYDNEY CONFERENCE**

*Wednesday 7 September, UNSW*

Looking for practical and innovative ways to support bike riding? Or a chance to network with others seeking to do the same?

The Conference is brought to you by Bicycle Network and hosted by [UNSW Built Environment](#).

The jam packed one day [program](#) features:

- a keynote presentation by Prof Chris Pettit on the visualisation of active travel data including [RiderLog app](#)
- workshops on preventing bicycle car door crashes; and protected bicycle intersections
- short presentations on electric assisted bikes, local council projects and automated bike share systems.

Full price tickets are only \$175. [Register now](#) for this must attend event!

### **FACULTY RESEARCH FORUM: Strategic Futures for BE Research – 2016**

*Friday 9 September 9am – 12.30pm (followed by lunch), AGSU Room 2001 Red Centre*

This forum follows on from related workshops in 2014 and 2015 at which future project areas were raised and discussed to help articulate and guide future investigation and development of strategic research priorities within the framework of the faculty's research strategy for 2014-2016.

More immediately it responds to the need to develop a revised faculty research strategy for the next few years within a new institutional environment relating to (a) the research excellence, social engagement and global impact cornerstones of the UNSW 2025 strategy, and the (b) the aspirations emerging from the faculty's current strategic planning process.

Three key questions will be to consider (a) where we have come from, (b) how we are tracking currently and into the immediate future, and, most importantly, (c) what imperatives, opportunities and priorities lie ahead.

[Register](#)

**UTZON LECTURE: Innovating to Zero in the Building Sector: Minimising energy consumption, eradicating energy poverty and mitigating local climate change**

**Professor Mattheos Santamouris**, *Anita Lawrence Chair in High Performance Architecture*

*Wednesday 28 September 7pm, UNSW Ainsworth Theatre*

The lecture aims to discuss issues related to three major problems of the built environment: the energy consumption of buildings, the energy poverty and the climate change.

The lecture will introduce the idea of a zero concept world where the global impact of these three specific sectors will be diminished. The lecture will analyse the actual status of each sector and identify the main problems. It will discuss and set a road map to satisfy this objective, involving future quantitative and qualitative targets for the three considered sectors. The presentation will also address the major technological, economic and social forces and policies that have to be employed in order to minimize the energy consumption of buildings, eradicate energy poverty and mitigate the climate change.

The links, synergies and impacts between them will be analysed comprehensively and the interrelated nature and characteristics of the three sectors will be highlighted. The mechanisms to transform problems into opportunities and appropriate drivers for future development will be identified and analysed along with the necessary investments required

The major medium and long term benefits for the society, including the impact on the economy, employment, the environment and health will be quantified and analysed.

[More information](#)

[Register](#)

**Research@Locate17**

*3-6 April 2017, International Conference Centre Sydney, Australia*

Locate is the annual conference on spatial information in Australia and New Zealand. It is the meeting point of industry, government and academia in one of the fastest growing areas of IT. Locate17 is an initiative of the Surveying & Spatial Sciences Institute (SSSI), Spatial Industries Business Association (SIBA) and Geospatial Information & Technology Association (GITA).

Research@Locate, the academic research stream at Locate, aims to be the premier academic meeting event in the Australasian region. Research@Locate is organised by the Australasian Spatial Information Education and Research Association, ASIERA. [Research@Locate](#) will provide a transparent full-paper peer review process, with carefully selected presentations and papers, and with its own annual, open-access proceedings.

For more information contact our two colleagues who are on the organising committee:

[Prof Chris Pettit](#)

[Dr Simone Zarpelon Leao](#)

[Register](#)

---

## Publications

The following 2016 research activities have been entered into [ROS](#) since the release of the last newsletter.

### Book Chapters

- Corkery, L. F. (2016). Reclaiming and Making Places of Distinction through Landscape Architecture. In R. Freestone, & E. Liu (Eds.), *Place and Placelessness Revisited* (pp. 61-75). New York: Routledge.
- Demirbilek, O. R. (2017). Evolution of Emotion Driven Design. In M. P. Jeon (Ed.), *Handbook of Affective Sciences in Human Factors and Human-Computer Interaction*. San Diego: Elsevier.
- Freestone, R., & Gunasekara, S. (2016). Sydney. In J. R. Gold, & M. M. Gold (Eds.), *Olympic Cities: City Agendas, Planning and the World's Games 1896-2020* (Third ed., pp. 317-332). London: Routledge.

### Journal Articles

- Bartesaghi Koc, C., Osmond, P., & Peters, A. (2016). Towards a comprehensive green infrastructure typology: a systematic review of approaches, methods and typologies. *Urban Ecosystems*, 1-21. doi:[10.1007/s11252-016-0578-5](https://doi.org/10.1007/s11252-016-0578-5)
- Easthope, H., & Randolph, B. (2016). Principal-agent problems in multi-unit developments: The impact of developer actions on the on-going management of strata titled properties. *Environment and Planning A*, 48(9), 1829-1847. doi:[10.1177/0308518X16650894](https://doi.org/10.1177/0308518X16650894)
- Faheem, A., Ranzi, G., Fiorito, F., & Lei, C. (2016). A numerical procedure for modelling the thermal performance of ventilated hollow core slabs. *Applied Mechanics and Materials*, 846, 12-17. doi:[10.4028/www.scientific.net/AMM.846.12](https://doi.org/10.4028/www.scientific.net/AMM.846.12)
- Laskari, M., Karatasou, S., & Santamouris, M. (2016). A methodology for the determination of indoor environmental quality in residential buildings through the monitoring of fundamental environmental parameters: A proposed Dwelling Environmental Quality Index. *Indoor and Built Environment*, 1-15. doi:[10.1177/1420326X16660175](https://doi.org/10.1177/1420326X16660175)
- Loosemore, M., & Lim, B. T. H. (2016). Intra-organisational injustice in the construction industry. *Engineering, Construction and Architectural Management*, 23(4), 428-447. doi:[10.1108/ECAM-01-2015-0005](https://doi.org/10.1108/ECAM-01-2015-0005)
- Santamouris, M. (2016). Cooling the buildings – past, present and future. *Energy and Buildings*, 128, 617-638. doi:[10.1016/j.enbuild.2016.07.034](https://doi.org/10.1016/j.enbuild.2016.07.034)

### Conference Papers

- Chindapol, S., Blair, J., Osmond, P., & Prasad, D. (2016). A Suitable Thermal Stress Index for the Elderly in Summer Tropical Climates. In *Procedia Engineering*. Sydney: Elsevier: Creative Commons Attribution Non-Commercial No-Derivatives License.
- Easthope, H., Sheih, A., & van der Nouwelant, R. (2016). Unpacking the link between tenure and sense of home. In *European Network of Housing Researchers*. Belfast.
- Foth, M., Tomitsch, M., Forlano, L., Haeusler, M. H., & Satchell, C. (2016). Citizens breaking out of filter bubbles: Urban screens as civic media. In *PerDis 2016 - Proceedings of the 5th ACM International Symposium on Pervasive Displays* (pp. 140-147). doi:[10.1145/2914920.2915010](https://doi.org/10.1145/2914920.2915010)
- Freestone, R., Davison, G., Baker, S., & Hu, R. (2016). Institutionalising Design Excellence in Central Sydney 1988-2000. In C. Hein (Ed.), *International Planning History Society Proceedings: History-Urbanism-Resilience Vol. 7* (pp. 165-173). Delft: TU Delft. doi:[10.7480/iphs.2016.7.1344](https://doi.org/10.7480/iphs.2016.7.1344)

- Freestone, R., & Hamnett, S. (2016). The Australian Metropolis 2000-2015. In C. Hein (Ed.), *International Planning History Society Proceedings* Vol. 6 (pp. 83-92). Delft: TU Delft. Retrieved from <http://iphs2016.org/proceedings/>
- Freestone, R., Amati, M., & Mills, P. (2016). The renaissance of post-war metropolitan planning in Melbourne, Australia 1949-1954. In C. Hein (Ed.), *International Planning History Society Proceedings* Vol. 1 (pp. 311-317). Delft: TU Delft. doi:[10.7480/iphs.2016.1.1329](https://doi.org/10.7480/iphs.2016.1.1329)
- Hong, Y., Sepasgozar, S. M., Ahmadian, F., & Akbar nezhad. (2016). A BIM Adoption Framework for Small and Medium Sized Construction Organizations. In *ISARC 2016*. AUBURN, ALABAMA, USA
- Lee, A., Alhadidi, S., & Haeusler, M. H. (2016). Developing a workflow for daylight simulation : Daylight requirements simulation in early design stages to address the Green Star ratings within local regulations. In *CAADRIA 2016, 21st International Conference on Computer-Aided Architectural Design Research in Asia - Living Systems and Micro-Utopias: Towards Continuous Designing* (pp. 363-372).
- Liu, F., Corkery, L., & Wiesel, I. (2016). Choosing Healthy Food in Sydney's Inner City Neighborhoods. In *International Conference on Geographies of Health and Living in Cities: Making Cities Healthy for All, Healthy Cities 2016*. Hong Kong: Elsevier Science Direct. Retrieved from <http://www.elsevier.com/locate/procedia>
- Loschke, S., & Easthope, H. (2016). Rethinking Housing Solutions: Adaptive redesign approaches for ageing apartment buildings. In *Future Housing: Global Cities and Regional Problems*. Melbourne, Australia.
- Rizal, A. R., Doherty, B., & Haeusler, M. H. (2016). Enabeling low cost human presence tracking : Using commodity hardware to monitor human presence in workplaces. In *CAADRIA 2016, 21st International Conference on Computer-Aided Architectural Design Research in Asia - Living Systems and Micro-Utopias: Towards Continuous Designing* (pp. 45-54).
- Sepasgozar, S. M., Bliemel, M., & Wang, C. (2016). A flipped classroom model to teach skill-based contents for a large construction technology course. In *The 40th Australasian Universities Building Education Association (AUBEA) 2016 Conference*. QLD 4702, Australia: Central Queensland University.
- Sepasgozar, S. M., & Forsythe, P. (2016). Lifting and handling equipment: from selection to adoption process. In *The 40th Australasian Universities Building Education Association (AUBEA) 2016 Conference*. QLD 4702, Australia.
- Sepasgozar, S. M., Wang, C., & Shirowzhan, S. (2016). Challenges and Opportunities for Implementation of Laser Scanners in Building Construction. In A. Sattineni (Ed.), *ISARC 2016*. AUBURN, ALABAMA, USA.
- Sepasgozar, S. M., Costin, A., & Wang, C. (2016). Challenges of Migrating from Desktop-based BIM in Construction. In *ISARC 2016*. AUBURN, ALABAMA, USA.

---

## New External Grants Awarded

### Scott Hawken

Department of Foreign Affairs and Trade/Australia-India Council Grants Program: \$45,700  
*A Knowledge Exchange Network for Australian and Indian Smart Cities*

### Scott Lieske

Monash University/ANDS NCRIS Shared Grant: \$160,000  
*High Value Collection Projects - Bike Network Data*

### Chris Pettit

University of New South Wales/PLuS Alliance Collaborative Research Seed Grants: \$25,000  
*Informed Urbanization – Understanding the Housing-Transport Nexus*

**Chris Pettit**

University of New South Wales/NCRIS Agility Fund Central Contribution: \$30,000  
*Australian Urban Research Infrastructure Network (AURIN)*

---

## Funding/Research Opportunities

### **AUSTRALIA-INDIA STRATEGIC RESEARCH FUND (AISRF) Round 10 - Collaborative Research Projects**

The [AISRF](#) has announced that Round 10 of funding for collaborative research projects is now open.

For *Indo-Australian Science and Technology Fund*, one of the priority areas included in this round is **Smart cities** and infrastructure technologies (including urban design, sensor technologies, real time data and spatial analysis, transport systems, cold chain logistics and storage, and waste management).

#### **AISRF- UNSW Internal EOI Process:**

As UNSW can only submit two AISRF applications in total, all intending applicants are required to submit an Expression of Interest (EOI) to the Grants Management Office by **COB Thursday 15 September 2016** - email [mygrants.gmo@unsw.edu.au](mailto:mygrants.gmo@unsw.edu.au). Using the [UNSW EOI Form](#), the EOI should cover off on two pages the four assessment criteria listed in section 2.3 of the application instructions. EOIs will be reviewed by the University and shortlisted applicants may be invited to submit a full proposal.

### **UNSW-TSINGHUA UNIVERSITY COLLABORATIVE RESEARCH FUND – Seed Grants with China**

UNSW is pleased to announce a new collaborative research seed grant with Tsinghua University in China, and applications are now open for researchers to submit joint proposals.

Tsinghua University is consistently ranked as one of the top academic institutions in China and on a global level. The University has 14 schools and 56 departments with faculties in science, engineering, humanities, law, medicine, history, philosophy, economics, management, education and art. As one of China's most renowned universities, Tsinghua has become an important institution for fostering talent and scientific research and UNSW is pleased to be strengthening our partnership by offering seed grants.

Seed funding for collaborative research activities and academic mobility will be awarded for a duration of 12 months, with an opportunity for renewal for one further period of 12 months.

Staff are encouraged to submit an application in the areas of:

- Chemical Engineering
- Environmental Engineering
- Life Sciences
- Photovoltaic and Solar Energy

Key dates and further information:

- **Call for proposals:** now open
- **Applications close: 5pm (local time) 30 September 2016**
- Please see the [website](#) for guidelines and application instructions

If you have any enquiries please email [research.partnerships@unsw.edu.au](mailto:research.partnerships@unsw.edu.au)

### **CAMPUS TRAVEL | Travel Grants for Academic Professionals & Tertiary Students**

Grants for domestic or international travel to tertiary students, researchers, and academic staff members looking to further their knowledge in a specific area of study or research. Each Travel Grant includes \$4,000 worth of airfares and \$1,000 for accommodation, transportation, tours or other travel arrangements... [More information](#)

**External deadline: 30 September 2016**

### **KNIGHT FOUNDATION | Knight News Data Challenge 2016 (US)**

To accelerate media innovation by funding breakthrough ideas in news and information. The current challenge is the area of "data"; specifically attempting to answer the question, "How might we make data work for individuals and communities?". The Foundation seeks projects that use data to fuel innovation and new ideas, while protecting the rights of individuals and communities. Ideas on new ways to collect, analyse, present, interpret and share data, to better journalism and data-enhanced storytelling techniques, to ways to promote transparency, security and privacy are welcome... [More information](#)

**External deadline: 30 September 2016**

### **COOPERATIVE RESEARCH CENTRES (CRC) PROGRAMME – CRC PROJECTS**

CRC-Ps support short term, **industry-led** and outcome-focused collaborative research partnerships between industry, researchers and the community. Funding of a maximum of \$3 million is available for up to three years. Round 2 of the CRC-P program is now open, for funding commencing from 1 January 2017.

- Close: Wed 26 October 2016
- Outcomes: November 2016 *\*subject to change*

More information is due out from the Research Strategy and Partnerships Office soon. In the meantime, details on the program can be found at

<https://www.business.gov.au/assistance/cooperative-research-centres-programme>

### **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**

### **Writing for publication in academic journals**

*Tuesday 6 September 9.30am – 12.30pm*

The aim of this workshop is to offer participants a range of tools and suggestions for structuring and writing a journal article as well as for navigating the peer review process.

[Further information & to register](#)

### **Induction for Postgraduate Researchers**

*Wednesday 14 September 4pm – 6.30pm*

Attendance at the Postgraduate Researchers Induction is compulsory for all candidates commencing a PhD or Masters research degrees and ensures a smooth transition to research study at UNSW.

The event will provide new research candidates with important information on:

- the Graduate Research School

- enrolment, progression and scholarship administration
- services provided across the University for research candidates

[Further information & to register](#)

### **Planning to publish – first steps**

*Thursday 15 September 9.30am – 12.30pm*

Suitable for those beginning to publish, the aims of this workshop are to develop a considered and effective approach to building your research profile and also equip you to sustainably manage your research outputs using selected techniques and resources.

[Further information & to register](#)

### **Application principles and strategic considerations**

*Tuesday 20 September 9.30am – 11.30am*

How do you make a funding application stand out / resonate with a review panel? This workshop analyses the essential requirements and provides advice and tips that support writing a strategic application.

[Further information & to register](#)

### **Supporting HDR students' thesis writing**

*Wednesday 21 September 9.30am – 12.30pm*

The aim of this workshop is to provide supervisors with tools that help with organising and structuring a research thesis and to discuss solutions to issues that often impede timely completion.

[Further information & to register](#)

### **Managing your grant – utilising the Grants Management Office (GMO) and finance tools**

*Thursday 22 September 9.30am - 12.30pm*

The aim of this workshop is for researchers to recognise their responsibilities and liabilities in managing funding money for the life of the project, including the project closeout.

[Further information & to register](#)

### **Extending your research: The How and Why of writing for “The Conversation”**

*Friday 23 September 12pm – 1pm*

This session will provide insights and tips on the stories “The Conversation” editors are seeking, how to pitch an idea that stands out and the style of writing that will work for their diverse audience.

[Further information & to register](#)

### **Excel Fu for Researchers**

*Monday 26 September 9.30am – 4.30pm*

This intensive workshop comprises a series of hands-on exercises modelled around a mock research project.

[Further information & to register](#)

### **Software Carpentry 2-day workshop**

*Tuesday 27 September 9.30am – Wednesday 28 September 4.30pm*

This workshop is aimed at researchers and higher degree research students (HDRs) who would like to start learning to code in the Python programming language, automate repetitive tasks using the Unix shell, and safely store their code and data under version control in Git.

[Further information & to register](#)

### **Research data management techniques**

*Thursday 29 September 9am – 12pm*

This 2-hour 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.

[Further information & to register](#)

### **Introduction to Version Control Git**

*Thursday 29 September 9am – 12pm*

This intensive half-day workshop is aimed at researchers and higher degree research students (HDRs) who would like to learn how to safely store their code and data under version control in Git.

[Further information & to register](#)

### **Powerful text searching and matching with Regexes**

*Friday 30 September 10am – 12pm*

Have you ever wanted to extract phone numbers out of a block of unstructured text? Or email addresses. Or find all the words that start with “e” and end with “ed”, no matter their length. Regular expressions (regexes) are a powerful way to match and make substitutions to text. Come along to this workshop to learn what they can do and how to apply them to your research.

[Further information & to register](#)

---

## **Related Links**

[BE Research Resources](#)

[UNSW Research](#)