Researcher Highlights

The new Children and Youth Research Network (CYRN), UNSW

A core group of researchers lead by Kate Bishop is establishing a new UNSW, cross-faculty research network for those working in the area of children and youth. At present the core group consists of an informal partnership between members of the Faculty of Built Environment (Kate Bishop and Linda Corkery), the Social Policy Research Centre and The Australian Human Rights Centre.

The main intention is to establish an interdisciplinary knowledge exchange network at UNSW for those working in the area of children and youth, which functions as both an
internal resource and a resource for industry, government and community partners. The principal aims are to promote research, enhance teaching, facilitate internal and external connections and partnerships and cultivate expert champions.

A call for interest was put out across the University in mid-September and a very positive response was received from researchers from almost all faculties. On the 5th of October the first network event was held for CYRN here at the faculty and was well attended with 25 participants. Researchers presented their work and workshopped the shape and direction of the network to come.

If anyone is interested in the network please contact Kate Bishop.

Recognition for a Job Well Done

Congratulations to Anjalika Wijesurendra who was recognised by the UNSW Arc Postgraduate Council Research Student Award for her work coordinating and leading the BE PGC cohort.

Anjalika became the HDR student coordinator in 2014 and during her tenure she has nurtured students individually and as a cohort, providing them with an understanding ear, a central support person, and linkage to the wider student support network. Anjalika has invested an exceptional amount of time and thought convening the HDR cohort, ensuring
that it delivers the appropriate and relevant content students require to support them in completing and conferring their PhD. Her coordination includes, arranging monthly cohort meetings with relevant speakers and discussions, establishing a number of events that are convened annually, the most popular being the HDR Cultural Odyssey Day, where all students are invited to share cuisines from their culture and dress in their cultural clothing. Anjalika has shown great generosity and leadership that deserves recognition and she is valued by her student peers, academics and staff alike.

Design Presentation in China

In late October, Professor Rob Freestone was invited to make a plenary presentation at the International Forum on Exhibition Design 2017 sponsored by the Tongji University Shanghai International Design Creativity Institute and held at the Shanghai University of Engineering Science (SUES) in Songjiang. His talk was entitled “The interface of exhibition media and city planning agendas: Historical and contemporary perspectives”. It offered an overview of the evolutionary nexus between the mission of city planning, policy implementation and the exhibitions which have been used to educate the public to the value of planned interventions into the urban built environment from the late 1800s. In the early 21st century major new exhibitions have been staged on both a temporary and permanent basis to sell to stakeholders the contribution of planning to securing productive, liveable and sustainable urban environments. Different models from the corporate-driven and state-controlled to the community-centric raise various implications, but all point to a continuing future dialogue between city planning and exhibitionary culture worldwide.
New Grant Highlights

Innovation in Health and the Built Environment in Dhaka Slums

A consortium bid including BE's David Sanderson has been successful in winning an 18-month project, ‘Innovations on the interface of the built environment and emergency health’. The project will take place in four low-income settlements in Dhaka, Bangladesh, including Korail (pictured below), one of Dhaka’s densest low-income settlements, home to some 40,000 people living on a quarter of a square kilometre. Dhaka is the world’s fastest-growing mega-city, with a national slum population that has increased some 60% over the last 20 years.

The project will provide grants to support neighbourhood-level innovations that improve health and living conditions. Innovation (from small-scale incremental improvements to large-scale ‘disruptors’) in recent years has become a key area of focus in humanitarian action. To these ends, this project is one of four ‘innovation labs’ that have been set-up by the UK’s START network, with others in Jordan, Kenya and the Philippines, aimed at ‘finding fresh ways to help local communities prepare for disasters’.

The project consortium comprises Dhaka Community Health Trust, the Indian NGO SEEDS, the Asia Disaster Reduction and Response Network (AДRRN) and the Centre for the Research of the Epidemiology of Disasters (CRED) and the University of Louvain. FBE’s role is to provide technical inputs and to draw out lessons for future replication elsewhere. As part of this FBE’s Laura Bruce attended a three day inception workshop in mid-October. The project is funded by the UK’s Department for International Development (DFID).
Meet the Researchers - Sarbeswar Praharaj

Sarbeswar is currently completing his PhD at the Smart Cities Research Cluster and an Academic Staff at BE. He is also a geographer-planner having obtained Masters degrees in Geography and City Planning. Sarbeswar has extensive experience in research and practice on strategic urban planning and urban governance issues in the mega cities of South Asia. He has consulted for prestigious clients such as The World Bank, Asian Development Bank, Cities Alliance, Global Land and Tools Network, Ministry of Urban Development - Government of India etc.

In his doctoral research, Sarbeswar is examining different layers of smart cities in India; including their strategic policy, emerging business models, collaborative forms of governance and the opportunities around open data and digital citizen engagement. He is developing a typology of 100 smart cities in India based on objective indicator sets drawn from intense stakeholder engagement of the Indian urban leaderships.

With an aim to develop collaboration among Australian and Indian smart city stakeholders, Sarbeswar has attracted research grants to UNSW from the Australia-India Council and the Department of Foreign Affairs and Trade (DFAT) and has coordinated a series of workshops themed around smart cities in Sydney, Chennai and New Delhi. He is currently the Coordinator of the Australia India Smart Cities Knowledge Exchange Network under the same initiative. UNSW designated Sarbeswar as a “Global Tech Fellow” in 2017 for joining the wider network of researchers from Global Alliance of Technological Universities. He has also won the inaugural UNSW India Research Roadshow Grant 2017 to visit India to create research partnerships with Indian establishments.

BE Research in the News

Christian Tietz: Room sharing is the new flat sharing. The Conversation, 5 October, 2017. View Online.
Christian Tietz: Room sharing is the new flat sharing. Triple J, 5 October, 2017. View


Have you had your research mentioned in the media recently? Please send details to Michaela Turner for inclusion in the next newsletter.

BE Research on the Web

Altmetrics measures the attention a DOI-linked output receives on the web and tracks outlets such as Twitter, Facebook, LinkedIn, Google+, Wikipedia, Pinterest, blogs, Reddit, The Conversation and other media outlets. Each month we list the top scoring outputs from the faculty, sourced from Altmetric Explorer.

1. Edgar Liu and Hazel Easthope Multigenerational Family Living
2. Susan Thompson Encyclopedia of Sustainable Technologies
3. Susan Thompson Cities and health: an evolving global conversation
4. Philip Oldfield Five energy generations of tall buildings: an historical analysis of energy consumption in high-rise buildings
5. Hal Pawson Long-term private renters: Perceptions of security and insecurity

University Updates

UNSW eNotebook Pilot

UNSW is currently undertaking a major initiative to improve research data management practices as a response to both consultation with the research community and an internal audit conducted in 2016.

Key areas which will be addressed include:

- better guidelines for researchers to understand their data management obligations
• better integrated tools for researchers to meet these obligations,
• better platforms for researchers to find and access available tools
• better training and support to address any specific issues that arise

Part of this initiative will be the rollout of electronic notebooks (eNotebooks), a tool to enable researchers to store, manage and share research notes in a more secure manner.

The Division is currently running a pilot of 2 eNotebook software programs (OneNote and LabArchives) from now till the end of the year. The goal is to capture the requirements of an eNotebook for UNSW researchers, evaluate the suitability of the pilot software and gather information on alternative/additional data management software we should investigate.

If you are interested in the pilot, please complete the survey form, or contact Jacky Cho from PVC-RI with any questions.

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**Did You Know...?**

…that Web of Science can help you find the right journal for your manuscript.

1. Just head to [www.webofknowledge.com](http://www.webofknowledge.com) and login.
2. Select “EndNote” then “Match”.

From here you can paste in your title and abstract and the software will provide possible matches with citation data, key journal information and publisher details to help you compare your options.

... that BE research has a new editing support scheme to assist you with getting your research polished and ready for publication. The guidelines and application form have been made as straightforward as possible and can be viewed on the [faculty intranet](http://faculty.intranet).

The scheme will be offered until the end of this year and then reviewed for 2018. Any feedback on how it’s working for you can be sent to Toni Hodge.
HDR News

News and Announcements
Induction day for all new HDR students was held on Thursday 28th September. This event is designed to introduce our new students to the faculty, its facilities and services, as well as provide them with information on research funding, ethics and the APR process. The induction was followed by a luncheon on level 6. The invitation was also extended to the HDR cohort as a whole, supervisors and the BE Executive Team, providing an opportunity for our new students to meet and socialise with their colleagues.

Meet our New Students
BE has welcomed 10 new HDR candidates for semester 2, 2017.

Samaneh Arasteh (PhD), ‘The sustainable and affordable housing for low-income families and its relations with urban and environment sustainability’ (David Sanderson & Dijana Alic)

Jie Feng (PhD), ‘Development, testing and application of advanced cool materials for façade, roof and pavement to mitigate heat islands in the urban environment’ (Matt Santamouris & Lan Ding)

Oliver Lock (PhD), ‘Using City Dashboards for empowering citizens in the Smart City’ (Chris Pettit & Simone Zarperlon Leao)

Shirley Shirleyana (PhD), ‘Livable and Affordable Community-Based Housing’ (Scott Hawken, Riza Sunindijo & David Sanderson)
Farzad Hayrani (MRes), ‘Modelling the Technology Dissemination Process in Construction Technology Exhibitions’ (Samad Sepasgozar & Bruce Watson)

Fahim Ullah (PhD), ‘Developing a risk management framework for sustainable smart cities’ (Samad Sepasgozar, Cynthia Wang & Steve Davis)

Maximilienne Whitby (PhD), ‘Tactile engagement during placemaking as experienced by neurodiverse adults presenting with atypical somatic function’ (Catherine Bridge & Peter Kohane)

Hyungmo Yang (PhD), ‘A study on an apartment development strategies in reference to user preferences - To inform supplier decision-making’ (Hazel Easthope & Philip Oldfield)

Qian Zhang (PhD), ‘Corporate Social Responsibility of Construction Enterprises in China’ (Benson Lim, Bee Oo & Jinu Kim)

Richard Shepherd (PhD), ‘Understanding a Civic Planning: Civic manifestation and transmogrification in the city (Robert Freestone & Simon Pinnegar)

Students who Submitted at Census Date (31st August 2017)

- Mengbi Li (PhD), supervised by Xing Ruan, Harry Margalit and Scott Hawken
- Aldyfra Lukman (PhD), supervised by Catherine Bridge, Mei-Ying Boon and Stephen Dain
- Fatemeh Aminpour (PhD), supervised by Kate Bishop and Linda Corkery
• Homa Rahmat (PhD), supervised by Bruce Judd and Hank Haeusler
• Raymond Stevens (MRes), supervised by Peter Kohane, John Gamble and Harry Stephens
• Anjalika Wijesurendra (PhD), supervised by Bruce Judd and Bill Randolph
• William Craft (MRes), supervised by Lan Ding and Deo Prasad

Congratulations and we wish them all the best.

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End of Year Dinner @ AL ASEEL
The 2017 HDR cohort dinner was held at AL ASEEL restaurant in Alexandria. Everyone enjoyed an authentic Lebanese feast coupled with great company and good cheer. Pictured below are some wonderful memories from a "great night out"!
As you can see a good night was had by all and a big thank you to Suzie Scandurra for organising the evening.
Research Cluster News

SMART CITIES

Smart City Roadshow to India
Three Smart Cities cluster members, Sarbeswar Praharaj, Simone Zarpelon Leao and Anir Upadhyay have been selected to participate in the Smart City Roadshow to India in November. A brief summary of their research is outlined below.

Smart Governance in Emerging Economies - Sarbeswar Praharaj
Sarbeswar Praharaj is completing his PhD emphasising on Smart Cities Mission in India. His research focuses on smart governance approaches and digital interfaces for civic engagement and collaboration. He is currently developing an interactive platform for open data visualisation of 100 Smart Cities in India, specifically around indicators of livability.

Smart Tools for Climate Sensitive Architecture - Dr Anir Upadhyay
Dr Anir Upadhyay is a Research Fellow at Faculty of Built Environment. His research mainly interrogates real-world problems related to sustainability and energy efficiency in the built environment. He has developed a new approach of climate data analysis for built-
environment professionals and integrated it with emerging sensor technologies to make homeowners and building designers aware of the local climate, building energy consumption and indoor environmental conditions.

Urban Analytics - Dr Simone Zarpelon Leao
Dr Simone Zarpelon Leao is a Research Fellow in Computer Modelling and Simulation at City Futures Research Centre. Her expertise lies in the intersection of three areas: Environmental Engineering, Urban and Regional Planning and Geomatics. Her main research interest is in better understanding the interdependencies between built and natural environments, and their connections with social dynamics and policy structures. With this goal she works on developing knowledge and methodologies to assist in the generation of new or regeneration of existing urban areas facing contemporary challenges.
Smart City Awards – Best Industry-Led Initiative 2017
The RAISE project team (Prof. Chris Pettit, A/Prof. Hoon Han, Dr Ryan van den Nouwelant, Dr. Simone Zarpelon Leao, Dr Vivien Ye Shi, Carmela Ticzon, and Prof. Bill Randolph) won Smart City Awards – Best Industry-Led Initiative 2017. RAISE is a city analytics tool that enables users to rapidly estimate and visualise property values against relevant spatial data like land zoning, proximity to services and transport. Using a state of the art automated valuation model, the tool calculates the uplift effect of new infrastructure on property prices at land parcel level.

URBAN TYPOLOGIES
Bruce Rickard’s Work in Focus
Last month’s meeting was devoted to a topic in recent Australian architecture and was titled: The Architectural Work of Bruce Rickard.
Members of the research cluster, including John Gamble, Maryam Gusheh, Philip Drew and Hugo Chan, are contributing to a project on Bruce Rickard. The outcome will be a book on Rickard’s buildings in Sydney. The project is associated with the office of Cracknell & Lonergan Architects. Peter Cracknell introduced the discussion by focusing on the archive of Rickard’s drawings and images of buildings. This was followed by talks on Rickard’s education and travels in Britain and America. Selected houses were then analysed.

DESIGN RESEARCH COLLABORATION

DENSA: Exploring New Urban Equipment for Denser Living
The Dean, Professor Helen Lochhead, officially opened Christian Tietz’s BERG exhibition, which was on display throughout the Red Centre Gallery last month. DENSRA investigates room sharing with two, three or four people, which is not uncommon in today’s city. These practices affect security, privacy, safety and the ability to control one’s living space. The models use IKEA ‘hacks’ by repurposing standard products, like the Billy bookshelf.

The proposed public space equipment provides opportunities for domestic style activities outside these cramped spaces. Artists Lucy Orta’s ‘Refuge Wear’ and Krzysztof Wodiczko’s ‘The homeless Vehicle Project’ were initial inspirations.
The intention is to start a critical conversation about the effect of denser urban city living and how to make it a personally and socially rewarding experience.

Publications

Book

Edited Book


Book Chapter


**Journal Articles**


Freestone, R. (2017). The Sydney Syndrome: Suburban Railways, Land Speculation and
Colonial Politics. <i>History, June</i>, 2-4.


Sanderson, D., Patel, R., King, J., & Phelps, L. (2017). Discussion Informed by Recurrent Lessons from a Systematic Review on Targeting Practices in Urban Humanitarian Crises. <i>PloS Currents: Disasters</i>. doi:10.1371/currents.dis.0d0be4b294b40f5e51ee7b58d9687ea0

Reports


Conference Presentations

Conference Papers


**Creative Written Works**

**Creative Work non-textual**

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**New External Grants Awarded**
**Martin Loosemore**
Multiplex PhD Scholarship: $122,500
*Building better communities through social procurement*

**Mat Santamouris**
Department of the Chief Minister (NT): $25,000
*Alice Springs Heat Study*

**Bill Randolph**
Sax Institute/NSW Department of Family and Community Services (FACS): $9,000
*Evaluation plan for “Communities Plus” program consultant services*
Laurence Troy  
Uniting/Contract Research: $5,198  
*Rental stress in older households*

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**Upcoming Events**

**Informal Urbanism: Risk, Resilience and Opportunity Research and Practice Symposium**

A one-day symposium bringing together researchers and practitioners working in disaster risk reduction, urban poverty alleviation, humanitarian action and development.  
**Date:** Thursday 9 November | 9:00am – 5:30pm  
**Venue:** Ainsworth Building (J17), Level 5, Engineering Design Studio, UNSW Sydney  
[Further information and to register](#)

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**Funding/Research Opportunities**

It is important to note that all applications from UNSW staff & students must be submitted via the [Grants Management Office](#) (GMO). The internal deadline for submission of grant applications to the GMO is **2 weeks prior to the external deadline**. This timeframe allows the GMO to ensure applications comply with UNSW policies and sponsor requirements.

**ARC Future Fellowships (FT18)**

RMS is now open for applications to ARC four-year Future Fellowships. The Future Fellowships scheme supports research in areas of national importance by giving high achieving mid-career researchers incentives to conduct their research in Australia. ARC may also award the Administering Organisation up to $50,000 of non-salary funding per annum which may be used for personnel, equipment, travel and field research costs directly related to the Future Fellow's research.

Key Dates for Future Fellowships are:

- **Monday 6 November 2017** - [Request not to Assess form](#) must be submitted to the GMO by 12 noon.
- **Monday 6th November 2017** - Internal Deadline for Compliance Advice (GMO)
Wednesday 22 November 2017 - ARC external close. Finalise and submit applications in RMS by 12 noon.

Fellowship application toolkits and additional information can be found at the FT18 resource page.

ARC Australian Laureate Fellowships (FL18)
A reminder for anyone applying for an ARC Australian Laureate Fellowships, your applications should be nearing completion with final applications to be submitted in RMS this month ...
more

Deadline: 9 November 2017

NSW Office of Science & Research | Conference Sponsorship Program
Sponsorship grants are available for scientific conferences that take place in NSW and that will be held in the calendar year 2018. The research area of the conference must fall into one of the following categories:

- Mathematical, information and computing sciences
- Physical, chemical and earth sciences
- Engineering, environment sciences and renewable energy
- Biological and biotechnological sciences

Successful applicants will be awarded funding of up to $10,000 ...
more

External Deadline: 10 November 2017

Capstone Editing | Mid-Career Researchers for 2017
The Capstone Editing Grant is for mid-career researchers providing funding of up to $10,000 per year. The research project will gather preliminary data and lead to the development of a research council funding application. The grant can be used to cover any costs related to the research project, including software, small lab equipment, domestic or overseas travel for collaboration with colleagues or for learning new techniques ...
more

External Deadline: 30 December 2017

Division of Research Development Funding for ARC Linkage Projects
A maximum of $5,000 has been made available by the Division of Research Development to support ARC LP application development and submission for expenses such as writing, editing, budget preparation and/or travel to establish partnerships. To secure funding please send details of your proposed expenditure to Debbie Docherty, Director, Grants Management Office for formal approval and payment arrangements.
ARC Linkage Project applications deadlines for 2017

In a move away from a continuous ARC Linkage scheme and in response to applicant feedback UNSW will submit Linkage Project applications to the ARC in three tranches per year. The Division of Research are now implementing hard internal deadlines for the submission of applications (applications will not ordinarily be submitted outside these deadlines) ...\textit{more}

Deadlines - Round 2 2017

- Submit application for GMO review: Monday 27 November 2017
- Submit final application to GMO: Tuesday 12 December 2017
- GMO submits application to ARC: Friday 15 December 2017

The Australian Research Council (ARC)

The Australian Research Council (ARC) has released indicative dates for the new round of grant opportunities under ARC Discovery and Linkage Programme schemes. Those dates are available on the Grants Management Office ARC page.

Researcher Development – UNSW Workshops

Qualitative Research Network Hub

The QRN Hub is a centre that offers a space for support and collaboration for those working in qualitative research. It is open to all research students and staff, offering a range of events and services. One of the services on offer is a one-on-one consultation service offering expertise and guidance from experienced qualitative researchers in planning and conducting qualitative research. This service is designed to give general advice only but can include suggestions on:

- ‘brainstorming sessions’ in planning a new study,
- advice on grant writing,
- choosing or developing a research methodology (framework),
- choosing or working with data collection methods,
- ensuring rigour of research,
- learning new analysis techniques,
- working with data management software,
- other resources that may help.
Consultations are charged at $150 per hour but are waived for BE staff and HDR students following a sponsorship agreement that has been reached with the Hub.

For more information and to book your consultation

Managing Data Capture and Surveys with REDCap
Friday 3 November (option morning or afternoon session*)
This course will help you get started with Research Electronic Data Capture (REDCap), a secure web application for building and managing online surveys and databases. Set up projects; Design forms and surveys; Define basic branching logic; Enter data and distribute surveys & Set up basic longitudinal projects.
*AM: 9:30am-12:30pm. Further information & to register
*PM: 1:30-4:30pm. Further information & to register

Getting Started with an External Research Partner
Thursday 9 November  |  11:00am - 2:30pm
This workshop is the initial step in providing a program of on-going support for selected participants at regular intervals over the next 12 months with the goal of identifying a suitable partner and securing funding for research. Case studies will have both STEM & HASS focus.
Further information & to register

Confidence Intervals and Statistical Analysis
Thursday 9 November  |  3:00pm - 4:00pm
When we conduct analyses and interpret the results, there are some important concepts we should always be conscious of. This informal seminar will delve into some issues around statistical analysis, including confidence intervals and P values, confounding and collinearity, statistical significance and causality.
Further information & to register

Introductory Programming Workshop - Unix, Python Git
Thursday 9 to Friday 10 November  |  9:30am - 4:30pm
Join us for this live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation (software-carpentry.org).
Further information & to register
Consumer Involvement in Research Seminar
Tuesday 14 November | 1:15pm - 2:40pm
This seminar, jointly hosted by the Translational Cancer Research Network (TCRN) and UNSW, will walk you through the basics of consumer engagement, provide real-life case studies of how consumer engagement has benefitted our researchers, and have a presentation from the Cancer Council NSW on the importance they place on consumer engagement when allocating their funding.
Further information & to register

Networking: How to get started and make the most of it
Tuesday 21 November | 11:00am - 2:30pm
If 75% of people believe their networks do NOT support the results they need, what actions can you take to beat the odds? This workshop will assist you to beat the odds…
You will walk away from this session with the knowledge that you are the driver of your career progression.
Further information & to register

Intermediate to Advanced Programming in Python
Thursday 30 November | 9:30am - 4:30pm
Join us for this live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation (http://www.datacarpentry.org/).
Further information & to register

ARC LIEF Information Session
Thursday 30 November | 12:00noon - 1:00pm
The Pro Vice-Chancellor (Research Infrastructure) and Grants Management Office are hosting an information session for the upcoming ARC Linkage, Infrastructure, Equipment and Facilities scheme. This is an informal session to get you started on your LIEF 2018 application, with a follow-up workshop to be held early next year.
Venue: Room G053, Quadrangle Building (E15)  Kensington Campus Map Ref E15
Registration: Not required. For any enquiries please email the Grants Management Office.
Related Links

BE Research Resources
UNSW Research
Women in Research Network (WiRN)
Early Career Academic Network

Contact us:
Associate Professor Catherine Bridge - Associate Dean Research
Dr Judith O'Callaghan - Director, Postgraduate Research
Toni Hodge - Faculty Research Manager
Suzie Scandurra - Postgraduate Research Student Coordinator
Michaela Turner - Research Support Officer

If you have any relevant research related news you would like featured in the ADR Research Newsletter please send details to Michaela Turner for inclusion.