


## Higher Degree by Research Futures

### 2019 Conference Program
























Pre-conference: Wednesday 4 <sup>th</sup> September		
MC Associate Professor Simon Moss		
3:30 – 4:00 pm	Registration Mal Nairn Foyer	
4:00 – 4:45pm	<p>Guest lecture by Dr Hugh Kearns</p> <p>Presentation: <b>Supporting mental health: Cheer up and chill out isn't enough</b></p> <p>Is there something about the PhD (and HDR) that increases the chances of mental health issues? Of course, some PhD candidates bring mental health issues into their PhD with them but are the way we structure it (or don't structure it) and support them (or don't support them) also factors. It's always easy to blame the victim but perhaps we're doing things (often unwittingly) to make it worse? In my role I work with thousands of research students all over the world. They often confide in me about the struggles and strains of the experience. They tell me things they would never tell their supervisor or anyone in authority at their university. And some themes do emerge.</p> <p>In this session I will describe some of these themes and then issue a challenge to research students, research supervisors, post-graduate co-ordinators and support staff in graduate schools to do something about this. And I will make some suggestions!</p> <p>Mal Nairn Auditorium</p>	
4:45 – 5:30pm	Drinks and Nibbles Mal Nairn Foyer	

[Book Tickets for the Conference](#)






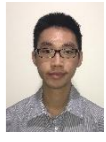












Conference website: <https://www.cdu.edu.au/research/ori/hdr-conference>

Day 1: Thursday 5 <sup>th</sup> September MC Associate Professor Natasha Stacey	
8:00 – 8:45am	Breakfast and registration continued <a href="#">Mal Nairn foyer</a>
9:00- 9:10am	Welcome to Country by Aunty Bilawara Lee <a href="#">Mal Nairn Auditorium</a>
9:10 – 9:20am	Introduction by Professor Simon Maddocks (Vice Chancellor) & Associate Professor Simon Moss (Dean on Graduate Studies) <a href="#">Mal Nairn Auditorium</a>
9:20 – 10:00am	<p><b>Keynote Speaker Dr Ben McNeil</b> Presentation: <b>Fake Science: The importance of science communication and how we can fix internet misinformation</b> To be a scientist is to come up with ideas, test them and then publish the results in a traditional journal. Universities and governments provide metrics to reward this activity via the number of papers. Meanwhile, the public impact of research is not rewarded. This 'Publish or Perish' model has therefore fundamentally failed in helping translate academic knowledge to better impact people's lives around the world. The growth of climate change denial and anti-vaccination are some examples of this science communication failure, which translates to huge social and economic consequences.</p> <p>The good news is the world is changing rapidly - fake news and misinformation is now a top priority to fix. In this talk I will give an overview of my own career in science being on the front-line of climate debates in the media, highlight the importance of developing communication skills in science and give an overview of how we can fix the fake news era, with universities playing a critical role in addressing this huge growing problem.</p> <p><a href="#">Mal Nairn Auditorium</a></p>
10:00 – 10:30am	Morning tea and Meet and Greet with Ben McNeil <a href="#">Mal Nairn Foyer</a>



10:30am – 12:30pm		Thursday 5 <sup>th</sup> September – Morning Session - HDR Student presentations					
<b>Sustainable communities 1</b> Student Chair: Jane Munday Academic mentor: Natasha Stacey Technical assistant: Cath Hood <b>Yellow 1.1.39</b>		<b>Respect and Equity</b> Student Chair: Wayne Pollock Academic mentor: Birut Zemits Technical assistant: Irina Harbeck <b>Red 9.1.48</b>		<b>Indigenous health (including youth and child)</b> Student Chair: Gianna Bonis-Profumo Academic mentor: Vinuthaa Murthy Technical assistant: Hayley Collins <b>Red 9.1.45</b>		<b>Integrity, diversity, and social justice in education</b> Student Chair: Faisal Badar Academic mentor: Sue Shore Technical assistant: Tanya Kalinowsky <b>Mal Nairn Auditorium</b>	
<b>Kim Hunnam</b> Full Presentation Sardines in Timor-Leste: characteristics and contributions of a small pelagic fishery 	<b>Barbara Morris</b> Full Presentation Mobility and Career Progression as a partner of an Australian Defence Force member 	<b>Hongqi Niu</b> Full Presentation Latent Class analysis among Aboriginal and/or Torres Strait Islander children hospitalised with bronchiolitis from the Northern Territory 	<b>Anita Rijal</b> Speed Presentation Nepalese students' perceptions of education agent services 				
<b>Mujiburrahman</b> Speed Presentation Towards a sustainable multi-hazard early warning system in Indonesia 	<b>Hannah Taino-Spick</b> Full Presentation The ANZAC narrative: helping or hindering our contemporary Australian veterans? 	<b>Leena Kesava Panicker</b> Full Presentation An exploration of health rights for Indigenous patients in renal care. 	<b>Christine Pheaney</b> Full Presentation Innovative Teacher Learning Approach for Sustainable Social Peace 				
<b>Para Jansuwan</b> Full Presentation Adapting to rural demographic change: impacts, challenges and opportunities for ageing farmers in Prachin Buri province, Thailand 	<b>Jean Borlagdan</b> Full Presentation Flower portraits as images of movements, memories and materiality 	<b>Matilda Lyons</b> Speed Presentation Cellular immune response against Streptococcus pneumoniae in children with Bronchiectasis 	<b>Greg Williams</b> Full Presentation Hope and a Decolonising Pedagogy 				
<b>Stephen Sutton</b> Full Presentation Developing Sustainable Disaster Resilient Communities: Lessons from Some Survivors 	<b>Lillyana Toushek</b> Full Presentation Windscapes. Stories of winds and seas. Seeing the mythology through photography 	<b>Will Cuningham</b> Full Presentation Understanding current antimicrobial prescribing practice in remote Aboriginal primary healthcare across northern Australia 	<b>Gusti Agung Ayu Prमितasari</b> Full Presentation Rural Youth 21st Century Workforce Ready 				
<b>Tahir Ali</b> Full Presentation Indigenous disaster risk resilience through community-based approaches for sustainable future: Evidence from Pakistan 	<b>Sarah Ajowi</b> Full Presentation The journey of the African born women from Intimate Partner Violence to seeking help 	<b>Danielle Aquino</b> Full Presentation 'Anything they dagat': food provisioning in a remote Aboriginal community 	<b>Ian Dinning</b> Speed Presentation Enhancing Cultural Work Awareness 				
<b>Jaemie Page</b> Full Presentation Role of Rangers in the Thamarrurr region 			<b>Elnaz Saki</b> Full Presentation Synthesis of nanoemulsions to enhance dermal applications of bioactive compounds available in Australian native plants 	<b>Mostafa Hamadi</b> Full presentation A systematic review of the use of SM as pedagogical tools: comprehensive framework for SM's integration as teaching and learning tool 			
12:30 – 1:30pm		<b>Lunch</b> <b>Mal Nairn Foyer</b>					

**1:30 – 3:30pm Thursday 5<sup>th</sup> September – Afternoon Session HDR Student presentations**

<b>Sustainable communities 2</b> Student Chair: Jaemie Page Academic mentor: Natasha Stacey Technical assistant: Cath Hood <b>Yellow 1.1.39</b>		<b>Governance</b> Student Chair: Raul David Academic mentor: David Price Technical assistant: Vikki Natt <b>Red 9.1.48</b>		<b>Engineering and computing solutions to challenging problems</b> Student Chair: Simon Crase Academic mentor: Jamal El-Den Technical assistant: Kobi Schutz <b>Mal Nairn</b>	
<b>Jane Munday</b> Full Presentation The values of sustainable development		<b>Dina Widyaputri Kariodimedjo</b> Full Presentation Safeguarding and Protecting Intangible Cultural Heritage in Indonesia		<b>Bijaya Paudel</b> Full Presentation Enabling low-bandwidth wireless video transmission systems	
<b>Jenny House</b> Speed Presentation Opportunities for increasing gender equality and sustainability in Timor-Leste's small-scale fisheries		<b>Egas Alves</b> Full Presentation The process of gradual political decentralisation in Timor-Leste		<b>Cedric Tan</b> Speed Presentation Corrosion of Chromium Based Iron Alloys Deposited via Welding	
<b>Matthew Campbell</b> Full Presentation Design and evaluation as strategies/practices for exploring organisational sustainability		<b>Guzyal Hill</b> Full Presentation Resolving the puzzle of the 'art of impossible': why legislation for the Australian national reforms succeeds only in 3 cases?		<b>Felix Baker</b> Full Presentation Constrained Kalman Filtering: A Compensating Approach	
<b>Nanda Kaji Budhathoki</b> Full Presentation Factors influencing farmers' risk perceptions of and preparedness for extreme weather events in western Terai, Nepal		<b>Jianhua (Jane) Zhang</b> Full Presentation A comparative analysis of the liability of foreignness of Chinese firms operating in Australia		<b>Hooman Mehdizadeh Rad</b> Full Presentation Relationship between interfacial traps and the operational temperature of perovskite solar cells	
<b>Rifka Sibarani</b> Speed Presentation An Exploration of Misinformation Management Models for Emergency Management: A Comparative Study of Indonesia and Australia		<b>Miranda Booth</b> Speed Presentation Australian military engagement in disaster relief in the South Pacific		<b>Mohammad Hanif</b> Full Presentation Serially Concatenated Polar Code with Unequal Error Protection Property	
<b>Adam Thompson</b> Full Presentation Sustaining Health with Traditional Medicine				<b>Tien Tran Thi Thuy</b> Full Presentation Effect of Low pH on Corrosion Behaviour of Duplex Stainless Steel in Seawater Containing Sulphate Reducing Bacteria	
				<b>Anna Perry</b> Speed Presentation Parallel Vertex Cover Solver Implented on a GPU Architecture	

**3:30 – 5:00pm** **Networking Event including Drinks and Nibbles**  
 MC: Amy Hetherington  
 Besser NT Court (between Mal Nairn and Library)

Day 2: Friday 6th September  
MC Associate Professor Simon Moss

8:30am for 8:45am  
start  
8:45 – 10:00am

Keynote Speaker [Associate Professor Inger Mewburn \(The Thesis Whisperer\)](#)

Presentation:

**Where can your research skills take you?**

In this lecture Associate Professor Mewburn will share the results of a long-term study of job advertisements which revealed the nature and extent of the job market for PhD graduates in Australia. She will share some ongoing research into employer attitudes, which shows some curious ideas about PhD graduates. This lecture will be helpful to anyone contemplating their future, inside or outside of academia.

[Get Free Tickets now](#)

[Mal Nairn Auditorium](#)



10:00 – 10:30am

Morning tea and Meet and Greet with Inger Mewburn  
[Mal Nairn Foyer](#)

10:30 – 11:15am

Mr Gavin Morris (PhD Candidate) &  
Dr. Miriam Rose Ungunmerr-Baumann (Honorary Doctor at CDU and Adjunct)

Presentation:

**Indigenous and Non-Indigenous perspectives of researching in an Aboriginal community, challenges and opportunities**

In this presentation, Dr. Miriam Rose Ungunmerr-Baumann and Mr Gavin Morris will share a strength based 'truth telling', revealing the impacts of colonisation and traditional healing practices specific to the Nauiyu Nambiyu community. A key theme to emerge is that of an Ancient University. This study is unique as it was requested by the Nauiyu community and it is the first of its kind that utilises an Indigenous research methodology on the Country and with the people to which it belongs. Dadirri has been used increasingly as a research methodology but never in its home in Daly River.
















In this session, we will discuss the challenges and opportunities of researching in an Aboriginal community and make some suggestions for those contemplating their future within Indigenous research.

[Mal Nairn Auditorium](#)

















11:30am – 1:00pm

Friday 6<sup>th</sup> September – Morning Session -HDR Student presentations

<b>Sustainable environments 1</b> Student Chair: Robin Leppitt Academic mentor: Hamish Campbell Technical assistant: Cath Hood <b>Yellow 1.1.39</b>		<b>Child and Maternal Health</b> Student Chair: Danielle Aquino Academic mentor: Sharon Chirgwin Technical assistant: Jasmina Sesar <b>Red 9.1.48</b>		<b>Language and communication in the future</b> Student Chair: Jianhua (Jane) Zhang Academic mentor: Steven Bird Technical assistant: Amelia Kruger <b>Red 9.1.45</b>	
<b>Rebecca Rogers</b> Full Presentation Repurposing rain Radar to track waterbirds in a changing world		<b>Emily Gibson</b> Full Presentation Dietary diversity and fish consumption of mothers and their children in fisher households in eastern Indonesia		<b>Asif Karim</b> Full Presentation An Evaluation of Recent Trends and Techniques of Spam Detection	
<b>Gavin Trewella</b> Full Presentation Den selection in woodland populations of northern quolls ( <i>Dasyurus hallucatus</i> )		<b>Gianna Bonis-Profumo</b> Full Presentation Women’s agency over livestock and income are key to ensure dietary quality among smallholders in rural Timor-Leste		<b>Eric Le Ferrand</b> Speed Presentation Situated learning for collaboration across language barriers	
<b>Amy Kirke</b> Speed Presentation Ecology and biology of exploited sharks in offshore fisheries of the Northern Territory, Australia.		<b>Nevio Sarmiento</b> Speed Presentation Carriage of <i>Streptococcus pneumoniae</i> in children under 5 years of age at Hospital Nacional Guido Valadares, Dili, Timor-Leste		<b>Cathy Bow</b> Full Presentation Sustaining Australian Indigenous languages - how can technology help?	
<b>Sigit Sasmito</b> Full Presentation Fingerprinting the origin of West Papuan mangroves blue carbon		<b>Trisasi Lestari</b> Full Presentation Implementation of tuberculosis contact investigation and preventive treatment in Papua, Indonesia		<b>Melvin freestone</b> Speed Presentation Questions a quantum transformation in the digital world	
<b>Simon Votto</b> Full Presentation Vegetated microhabitats are critical for avian access to arid zone waterholes				<b>Hao Wu</b> Full Presentation Love and Hatred in Philosophy	
				<b>William Lane</b> Speed Presentation Natural Language Processing for Low Resource Languages	

1:00 – 1:45pm

Lunch  
 Mal Nairn Auditorium Foyer

1:45 – 3:15pm		Friday 6 <sup>th</sup> September – Afternoon Session HDR Student presentations			
<b>Sustainable environments 2</b> Student Chair: Rebecca Rogers Academic: Sam Banks Technical assistant: Cath Hood <b>Yellow 1.1.39</b>		<b>Transformations in education</b> Student Chair: Gusti Agung Ayu Pramitasari Academic: Birut Zemits Technical assistant: Irina Harbeck <b>Red 9.1.48</b>		<b>The changing roles of computers, machines, and artificial intelligence</b> Student Chair: Guzyal Hill Academic mentor: Mamoun Alazab Technical assistant: Vikki Natt <b>Red 9.1.45</b>	
<b>Cara Penton</b> Full Presentation Tree hollow requirements of three arboreal mammals on the Tiwi Islands, northern Australia		<b>Isabelle Lys</b> Full Presentation Analysis of Enterprise bargaining & graduate certificate prep courses: mixed messages for Teaching Focus staff in Biosciences?		<b>Faisal Badar</b> Full Presentation Pragmatic pathways with digital education at home for the underprivileged children in Pakistan	
<b>Lisa Chandler</b> Full Presentation Assessing the response of the groundwater communities to mine water impacts in a seasonal sandy stream in the wet-dry tropics		<b>Lala Bumela Sudimantara</b> Full Presentation Intonation, Emotions, and Aesthetics: Fostering Learners' Agency in Academic Writing Course in Indonesia		<b>Emma Schuberg Barnes</b> Full Presentation BODYTANK: Exploring human autonomy among 'intelligent' machine worlds	
<b>Rebecca Pearse</b> Full Presentation Healthier governance systems for better environmental market outcomes		<b>Tithchanbunamy Lor</b> Full Presentation Policy Implementation in Higher Education in Cambodia		<b>Matt Tatam</b> Speed Presentation Enhancing Cyber threat modelling by applying innovative machine learning approaches	
<b>Robin Leppitt</b> Full Presentation The habitat requirements and potential threats of the endangered Alligator Rivers Yellow Chat <i>Epthianura crocea tunneyi</i>		<b>Thi Hong Loc Hoang</b> Speed Presentation The contribution of tertiary education to sustainable economic growth: the evidence from the fishery sector in Vietnam		<b>Simon Crase</b> Full Presentation Identifying links in terrorist networks through machine learning on explosives chemical composition data	
		<b>Widya Pertiwi</b> Full Presentation Educational research in Indonesia: chance and challenge of play-based research		<b>Pradipta Chatterjee</b> Full presentation Barriers to innovation and technology adoption in the field of 3d-metal printing	
3:15 -3:45pm	<b>Afternoon tea</b> <b>Mal Nairn Auditorium Foyer</b>				
3:45 – 4:30pm	<b>Presentation of prizes and Closing</b> <b>Mal Nairn Auditorium</b>				

- Speed = 5 minutes, Full presentations are 15 minutes plus 5 minutes questions.

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