

2023 Queensland Disaster Management Research Forum - Think Bigger

| Time | Session |
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| 8:00-8:30 | Event Registration |
| 8:30-8:50 | Introduction, Welcome and Housekeeping – Professor Cheryl Desha |
| | Acknowledgement of Country – Mr Adrian Coolwell, QPS |
| 8:50-9:10 | <p>Opening Remarks:</p> <ul style="list-style-type: none"> Honourable Mark Ryan, Minister for Police and Minister for Fire and Emergency Services Mr Alistair Dawson, APM, Inspector-General of Emergency Management |
| 9:15-10:30 | <p>Panel: <i>What's Your Situational Awareness?</i></p> <p><u>Moderator:</u> Dr John Rolf, Director, Academic Programs, Australian Institute of Police Management</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"> Special Coordinator Stephan Gollschewski, Police and Emergency Services Reform Mr Glen Beckett, Director Assist, Local Government Association of Queensland Mr Collin Sivalingum, <i>State Manager – Emergency Services, Australian Red Cross</i> Ms Jo Beadle, <i>National Manager, GivIt</i> |
| 10:30-11:00 | <p>Morning Tea and Poster Sessions/Networking:</p> <ul style="list-style-type: none"> <i>Perinatal Mood and Anxiety Disorders due to Extreme Weather Events</i> Dr Madelyn Pardon, James Cook University <i>Combining Machine Learning and Satellite Spectral Indices to Map Floods</i> Daisy Li, MPhil, QUT <i>Understanding lost wilderness tourists</i> Steve Schwartz, PhD Candidate, James Cook University <i>Managing Long-Term, Creeping Crises, Such As COVID-19 Among Large International Hospitality Companies</i> |

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| | <p>Mireia Guix, The University of Queensland</p> <ul style="list-style-type: none"> • <i>Novel insect-machine hybrid robots for search and rescue applications.</i> <p>Thang Vo-Doan, PhD, The University of Queensland</p> <ul style="list-style-type: none"> • <i>Bushfire Resistance of Window Shutters</i> <p>Mr Birunthan Perinpalingam, PhD Candidate, QUT</p> <ul style="list-style-type: none"> • <i>Enhancing Building Resilience: CFD-Based Development of Radiant Heat and Flame Zone Boundary Conditions Using LiDAR and Hyperspectral Data of Vegetation</i> <p>Mr Thanirosan Krishnakumar, PhD Candidate, QUT</p> <ul style="list-style-type: none"> • <i>Investigating the Safety of Thin Steel Cladding Systems as External Building Envelope in Bushfire-prone Areas</i> <p>Gopikrishna Athmarajah, PhD Candidate, QUT</p> |
| <p>11:00-12:00</p> | <p>Showcasing Queensland’s Early Career Researchers</p> <p><i>Towards Resilient Urban Childhood: Developing a Future-Focused Framework for Designing Urban Green Space in High Density Metropolitan Areas in the Post-Pandemic Era</i> Yunjin Wang, PhD Candidate, QUT</p> <p><i>Survey and Seismic Vulnerability assessment of Queensland Unreinforced Masonry Buildings</i> Nouman Khattak, PhD Candidate, QUT</p> <p><i>Transitional Architecture: Designing and testing a new typology for residential architecture for flood prone regions</i> Qurat Ul Ain Rehman, PhD Candidate, QUT</p> <p><i>Beyond ‘tinny heroes’ and ‘mud armies’: rethinking disaster recovery, resilience, and shared responsibility in flood-affected communities</i> Monica Taylor, Fiona Crawford, Laurelle Muir, Melinda McInturff - QUT Centre for Justice and Community Partners</p> <p><i>Building community resilience to coastal climate hazards in Australia (VIDEO)</i> Carmen Elrick-Barr, PhD Candidate, Sunshine Coast University</p> |
| <p>12:00-1:00</p> | <p>Lunch and Poster Sessions/Networking</p> |
| <p>1:00-2:00</p> | <p>Showcasing Queensland’s Early Career Researchers</p> |

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| | <p><i>Process of Planned Relocation</i> Annah Piggott-McKellar, PhD Candidate, QUT</p> <p><i>Long Term Viability of Agricultural Businesses</i> Thong Nguyen, PhD Candidate, University of Southern Queensland</p> <p><i>Infodemic Management: Building organisational resilience to crisis misinformation</i> Yawei Jiang, PhD Candidate, Griffith University</p> <p><i>Disaster Justice - A human rights analysis of Queensland Disaster Management Arrangements</i> Monica Taylor, PhD Candidate, QUT</p> |
| <p>2:00-2:30</p> | <p>Natural Hazards Research Australia – Disaster Challenge 2023</p> <p>Mr Andrew Gissing, CEO, Natural Hazards Research Australia</p> <ul style="list-style-type: none"> • <i>Flood Vulnerability Index for Brisbane City</i> <p>Dr Catherine Kim, QUT</p> |
| <p>2:30-3:00</p> | <p>Afternoon Tea and Poster Sessions/Networking</p> |
| <p>3:00-4:00</p> | <p>Showcasing Queensland’s Early Career Researchers</p> <p><i>How disaster education can benefit from transdisciplinary collaboration with Design discipline. Design-led education for making young generation prepared for future disaster scenarios</i> Dr Mehrnoosh Mirzaei - The University of Queensland</p> <p><i>Service Accessibility Impact Mapping for Disaster Resilience in Queensland, Australia</i> Dr Aiden Price and Mr Filip Juricev-Martincev, QUT</p> <p><i>Making health care planning more future-focused and equitable</i> Dr Sabrina Lenzen – The University of Queensland</p> <p><i>Enhancing Bushfire Shelter Safety: A Comparative Study of Detached and Attached Safe Rooms Using Physics-Based Modelling</i> Dr Sahani Hendawitharana - QUT</p> |

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| | <p><i>Creating Avenues for Research and Collaboration: Advancing Disaster Resilience in the Indo-Pacific</i></p> <p>Dr. Connie Cai Ru Gan, Griffith University, Dr Kiriloi Ingram, Charles Sturt University</p> <p><i>Data-driven recommendations for enhancing real-time natural hazard warnings, communication, and response (VIDEO)</i></p> <p>Dr Kate Saunders, QUT/Monash Uni</p> |
| 4:00-4:15 | <p>Wrap up and call to action.</p> <p><i>“Keep your eyes on the stars, and your feet on the ground.” — Theodore Roosevelt</i></p> |