

MONDAY 17 JUNE**MARATHON ROOM**

17:30	Registration
18:00	Welcome – Katherine Woodthorpe AO , Independent Chair, Bushfire and Natural Hazards CRC
18:05	Keynote – Robert de Castella , Indigenous Marathon Foundation, The role of sport and community in post-disaster recovery
18:35	Networking and refreshments
20:00	Conclusion
Shuttle bus	Shuttle buses to central Canberra depart AIS: 19:45, 20:00, 20:30, 20:45, 21:15

TUESDAY 18 JUNE**CHARLESWORTH THEATRETTE**

8:30	Registration
9:00	Welcome to country – Aunty Violet Sheridan , Ngunnawal Elder & Knowledge Holder Introduction and overview: Richard Thornton , Bushfire and Natural Hazards CRC Jeff Butler , Australian Capital Territory State Emergency Service
9:30	Keynote – Jo Horrocks , Ministry of Civil Defence & Emergency Management, New Zealand
10:00	Keynote – Mark Crossweller , National Resilience Taskforce, Department of Home Affairs
10:30	Morning tea
11:00	EXTREME HAZARDS SCENARIO 2019 John Bates , Bushfire and Natural Hazards CRC Andrew Gissing , Risk Frontiers Scenario developed in partnership with the Bureau of Meteorology and Geoscience Australia.
11:30	SCENARIO OUTLINE EXPERT PANEL: SCENARIO DISCUSSION Andrew Buay , Optus Andrew Coghlan , Australian Red Cross Darren Spoor , Australian Energy Market Operator Justin Dunlop , Ambulance Victoria Doug Smith , Queensland Fire and Emergency Services Melissa Pexton , Western Australian Local Government Association Rob Cameron , Emergency Management Australia Sharanjit Paddam , QBE Insurance

12:30	Lunch		
	CHARLESWORTH THEATRETTE	GOLD ROOM	SILVER ROOM
	RESEARCH SESSIONS		
13:30 - 15:00	CLIMATE, WEATHER AND ENVIRONMENT	RESPONSE	RESILIENT CITIES AND COMMUNITIES (INC PLANNING & MITIGATION)
	<p>Will Grant, Australian National University (Chair)</p> <p>Beth Ebert, Bureau of Meteorology</p> <p>Jeff Kepert, Bushfire and Natural Hazards CRC & Bureau of Meteorology</p> <p>Thomas Duff, Bushfire and Natural Hazards CRC & University of Melbourne</p>	<p>Alen Slijepcevic, Country Fire Authority (Chair)</p> <p>Chris Bearman, Bushfire and Natural Hazards CRC & CQUniversity</p> <p>Harald Richter, Bushfire and Natural Hazards CRC & Bureau of Meteorology</p> <p>Sally Ferguson, CQUniversity</p>	<p>Catherine McGrath, Catherine McGrath Media (Chair)</p> <p>Alan March, Bushfire and Natural Hazards CRC & University of Melbourne</p> <p>Barbara Norman, University of Canberra</p> <p>Ellie Kay, Resilient Organisations</p> <p>Holger Maier, Bushfire and Natural Hazards CRC & University of Adelaide</p> <p>Melissa Parsons, Bushfire and Natural Hazards CRC & University of New England</p>
Session guide	How will changes in the climate affect our environment and exposure to natural hazards? How will our ability to better model and predict extreme weather contribute to reducing the impacts of severe fire and weather on people, infrastructure and the environment?	How will we improve preservation of life and provide positive outcomes for responders and communities in the face of severe or catastrophic natural hazards?	Cities and communities are the foundations upon which we live in Australia. How should we develop safer cities? What will 'cities and communities' mean in 2035? How can communities best participate in building resilience to disasters?
15:00	Afternoon tea		
	RESEARCH SESSIONS		
15:30 - 17:00	LIFELINES AND CRITICAL INFRASTRUCTURE	COMMUNICATION, EDUCATION AND BEHAVIOUR	POLICY, ECONOMICS AND IMPACT
	<p>Jillian Edwards, National Resilience Taskforce, Department of Home Affairs (Chair)</p> <p>Barbara Norman, University of Canberra</p> <p>Damminda Alahakoon, Bushfire and Natural Hazards CRC & La Trobe University</p> <p>Jill Caaney, Energy Networks Australia</p> <p>Sujeeva Setunge, Bushfire and Natural Hazards CRC & RMIT University</p> <p>Garry McDonald, Market Economics</p>	<p>Amanda Leck, AFAC (Chair)</p> <p>Briony Towers, Bushfire and Natural Hazards CRC & RMIT University</p> <p>David Johnston, Massey University</p> <p>Josh Whittaker, Bushfire and Natural Hazards CRC & University of Wollongong</p> <p>Vivienne Tippett, Bushfire and Natural Hazards CRC & Queensland University of Technology</p>	<p>John Handmer, RMIT University (Chair)</p> <p>Adriana Keating, International Institute for Applied Systems Analysis</p> <p>Celeste Young, Bushfire and Natural Hazards CRC & Victoria University</p> <p>Farah Beaini, Bushfire and Natural Hazards CRC & Deakin University</p> <p>Richard Smith, Resilience to Nature's Challenges</p> <p>Veronique Florec, Bushfire and Natural Hazards CRC & University of Western Australia</p>
Session guide	Without access to the services that we rely upon to support life and wellbeing at the most basic level, Australians will be vulnerable to major, overlapping crises. What are the emerging options and opportunities to re-imagine or re-engineer the lifelines?	It is an ongoing challenge to communicate risk, deliver effective calls to action and empower individuals, families and communities. How can we integrate each of these activities into a capability that delivers a safer and more resilient future?	Evidence to support investment in resilience and mitigation at a national scale remains sparse. What new concepts and models can we use to inform and influence policy debate and development?
17:00	Conclusion of day		

WEDNESDAY 19 JUNE

CHARLESWORTH THEATRETTE

8:00 Registration

8:30 Announcements and introductions

8:45 Keynote – **Animesh Kumar**, Deputy Head of the United Nations Office for Disaster Risk Reduction, Regional Office for Asia and Pacific

CHARLESWORTH THEATRETTE

GOLD ROOM

SILVER ROOM

IMPACT SESSIONS

9:30 - 11:00

RISK, VULNERABILITY AND INSURANCE

RESPONSE CAPABILITY

LIFELINES AND CRITICAL INFRASTRUCTURE

Catherine McGrath, Catherine McGrath Media (Chair)
David Henderson, Bushfire and Natural Hazards CRC & Insurance Australia Group
Jillian Edwards, National Resilience Taskforce, Department of Home Affairs
Karl Sullivan, Insurance Council of Australia
Paul Barnes, Australian Strategic Policy Institute
Sharanjit Paddam, QBE Insurance

Iain Mackenzie, Inspector-General Emergency Management, Queensland (Chair)
Justin Dunlop, Ambulance Victoria
Simon Heemstra, New South Wales Rural Fire Service
Sascha Rundle, ABC Emergency
Rob Webb, Bureau of Meteorology

Leesa Carson, Geoscience Australia (Chair)
Andrew Buay, Optus
Eleanor Homersham, Australian Government Department of Infrastructure, Regional Development and Cities
Darren Spoor, Australian Energy Market Operator
Jill Caine, Energy Networks Australia
Yew-Chin Koay, VicRoads

Session guide

What are the current exposures across Australia that we can reduce or mitigate? Does current research provide clues or guidance on how to reduce our exposure? What can be done to ensure affordable insurability for the places we choose to live, holiday and invest?

Preparation for massive extreme weather with catastrophic impacts on human life and human injury is uncommon in Australia. In preparing for a disaster with thousands of deaths, tens of thousand of injuries and mass loss of housing and identity, how do our business-as-usual operations and surge capacities need to evolve? What decision making needs to be put in place to cope with these massive impacts?

Reliance on critical infrastructure and services are key vulnerabilities globally. In the Australian environment, what can and should we be doing now to minimise reliance on these lifelines, or build resilience to the impacts of a massive impact simultaneously in one or more major capital cities? The sources of exposure go beyond Australia's borders and into our future. How will fuel, food and other essential supplies be sourced internationally in times of crisis and when other countries may also be in crisis?

11:00

Morning tea

IMPACT SESSIONS			
11:30 - 13:00	LAND USE PLANNING AND MANAGEMENT Neil Cooper , ACT Parks and Conservation Service (Chair) Anthony Rowe , Emerge Associates & Planning Institute of Australia Duncan McLuckie , Office of Environment and Heritage, New South Wales Mark Stafford-Smith , Green Cross Naomi Stephens , Office of Environment and Heritage, New South Wales	RELIEF, RECOVERY AND MITIGATION Amanda Lamont , Australian Institute for Disaster Resilience (Chair) Andrew Coghlan , Australian Red Cross Brendan Moon , Queensland Reconstruction Authority Kellie Caught , Australian Council of Social Service Mal Cronstedt , Department of Fire and Emergency Services, Western Australia	RESILIENT CITIES AND COMMUNITIES Melissa Pexton , Western Australian Local Government Association (Chair) Michael Morris , Fire and Rescue New South Wales Jo Horrocks , Ministry of Civil Defence & Emergency Management, New Zealand Russell Wise , National Resilience Taskforce, Department of Home Affairs
Session guide	<p>Planning, by its nature, is focused on the long term. What are the timeframes we are looking at to initiate change? Depending on the scale, how long will it take to get enough change to see a noticeable impact? Given the current approach to land use in Australia, what are the essential needs for change? Will they be driven by evolution or revolution? What are the key decisions that need to be made, and by when, to reduce exposure and impacts by 2035?</p>	<p>Is it best to prepare for a major catastrophe through mitigation for a rare event, or build a surge capacity then deal with the mitigation during the rebuild? How do we arrive at an answer to this quandary? What are the implications of these approaches? How will we decide which path to follow, and what do we need to do to make it happen?</p>	<p>Major cities are highly developed and complex. They are at once expanding and becoming more dense. By 2035, the world will have changed such that, if climate trends continue, major population centres will be massively exposed to natural hazards. What are the changes that need to be implemented at the local, regional and national levels to avoid massive threats to life and livelihoods? How will we justify the investments for relatively uncommon events with governments that have increasing demands for a limited annual budget?</p>
13:00	Lunch		
CHARLESWORTH THEATRETTE			
13:45 - 15:30	EXTREME HAZARDS HYPOTHETICAL 2035 SCENARIO PANEL: FOCUS SESSIONS REPORT BACK		
15:30	Closing comments		
16:00 - 16:10	Conclusion – Richard Thornton , Bushfire and Natural Hazards CRC		