

12th Australasian Natural Hazards Management Conference: **program**

Australian Institute of Sport, Canberra
17-19 June 2019



MONDAY 17 JUNE	
MARATHON ROOM	
17:30	Registration
18:00	Welcome – Dr Katherine Woodthorpe AO FTSE FAICD Independent Chair of the Bushfire and Natural Hazards CRC
18:05	Keynote – Robert De Castella AO MBE: The role of sport and community in post-disaster recovery
18:35	Networking canapes and refreshments
20:00	Conclusion
Shuttle bus	From 19:30 onward shuttle departs every 30 minutes from AIS to central Canberra. Last shuttle 21:15.

TUESDAY 18 JUNE			
CHARLESWORTH THEATRETTE			
8:30	Registration		
9:00	Welcome introduction and overview		
9:30	Keynote - Mark Crossweller AFSM, First Assistant Secretary, National Resilience Taskforce, Department of Home Affairs		
10:00	Keynote - speaker TBC		
10:30	Morning tea		
	EXTREME HAZARDS SCENARIO 2019		
11:00	SCENARIO OUTLINE		
11:30	EXPERT PANEL: SCENARIO DISCUSSION		
12:30	Lunch		
	CHARLESWORTH THEATRETTE	GOLD ROOM	SILVER ROOM
	RESEARCH SESSIONS		
13:30 - 15:00	CLIMATE, WEATHER AND ENVIRONMENT	RESPONSE	RESILIENT CITIES AND COMMUNITIES
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?
	RESEARCH SESSIONS		
15:30 - 17:00	LIFELINES AND CRITICAL INFRASTRUCTURE	COMMUNICATION, COMMUNITY EDUCATION AND BEHAVIOUR	POLICY, ECONOMICS AND IMPACT
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		

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WEDNESDAY 19 JUNE			
CHARLESWORTH THEATRETTE			
8:00	Registration		
8:30	Announcements and introductions		
9:00	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
FOCUS SESSIONS			
9:30 - 11:00	RISK, VULNERABILITY AND INSURANCE	RESPONSE CAPABILITY	LIFELINES AND CRITICAL INFRASTRUCTURE
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		
FOCUS SESSIONS			
11:30 - 13:00	LAND USE PLANNING AND MANAGEMENT	RELIEF, RECOVERY AND MITIGATION	RESILIENT CITIES AND COMMUNITIES
Session guide	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?	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?	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?
13:00	Lunch		
CHARLESWORTH THEATRETTE			
EXTREME HAZARDS HYPOTHETICAL 2035 SCENARIO			
13:45	HYPOTHETICAL - 2035 SCENARIO		
14:00	PANEL: FOCUS SESSIONS REPORT BACK		
15:00	Closing comments		
15:30	Close		