



# Australian Disaster Resilience Conference 2018

## CONFERENCE PROGRAM

The rise of resilience: From the individual to the global  
Enhancing recovery by supporting community resilience

[www.aidr.org.au](http://www.aidr.org.au)

**RUNNING CONCURRENTLY WITH AFAC18 POWERED BY INTERSCHUTZ**

Australian Institute for  
Disaster Resilience



**#ADRC2018**

## FOREWORD



Long before the principle of shared responsibility became national policy, Australian communities were demonstrating shared responsibility in action; people and organisations banding together in times of crisis to rebuild and recover.

However, as we see the frequency and severity of disasters increase, the importance of cooperation takes on a new urgency. Governments, NGOs, communities and the private sector must all be proactive in embedding resilience at the heart of thought and practice.

The inaugural Australian Disaster Resilience Conference comes at a time when success in achieving greater resilience depends on the ability and capacity of all to work together to develop and sustain resilience thinking and practice into almost every facet of our daily lives.

The conference theme “The rise of resilience: from the individual to the global” reflects a movement that has been growing and evolving for some time now. A resilience approach to

emergency management encompasses more complexities than a vulnerability or hazards approach. This complexity is reflected in the breadth of issues and topics covered by speakers at this conference; from examining strategy design, to information management in recovery.

This conference will confront the challenges and opportunities that present themselves when we put resilience at the centre. Success will demand that we learn from each other; analysing changing risks, identifying and evaluating options, making decisions and revising strategies, particularly with those most at risk. We must find holistic solutions that consider not only what must be done, but how, by whom, and with what support.

Governments at all levels must continue to invest in authentic and diverse partnerships, with a focus on community engagement. This engagement is critical and reflecting on how we can do it better a key part of understanding and considering implications for resilience into the future.

I look forward to welcoming you to Perth where we will network, share good practice and broaden our thinking.

**MARK CROSWELLER, AFSM**  
**FIRST ASSISTANT SECRETARY**  
**NATIONAL RESILIENCE TASKFORCE**  
**DEPARTMENT OF HOME AFFAIRS**

## ABOUT THE CONFERENCE

The inaugural Australian Disaster Resilience Conference is hosted by the Australian Institute for Disaster Resilience (AIDR), in collaboration with the Monash University Disaster Resilience Initiative (MUDRI). This conference will run concurrently with AFAC18 powered by INTERSCHUTZ, Australasia's largest emergency management conference and exhibition.

The Australian Disaster Resilience Conference program theme is focused on "The rise of resilience: from the individual to the global," encompassing national and international strategy and direction all the way through to grassroots efforts brought about by local community action. The aim of the conference is to encourage involvement, participation, engagement and partnerships around all these facets of disaster resilience.

The Australian Disaster Resilience Conference provides an unparalleled opportunity for delegates to access the AFAC18 powered by INTERSCHUTZ trade exhibition, benefit from joint keynote speaker sessions, and opportunities to meet speakers and attend poster presentations at the AIDR-hosted Knowledge Centre.

The Bushfire and Natural Hazards CRC Research Forum precedes the conference. It focuses on the science that is making an impact across the sector. The Research Forum is not just for researchers—it's where anyone working in natural hazards management can network with and learn from the main research teams in this field, and provides a valuable addition to the Australian Disaster Resilience Conference program.

Delegates to the Australian Disaster Resilience Conference are also able to add on professional development sessions to their Conference registration. These sessions cover a variety of topics and will include the National Disaster Resilient Australia-New Zealand School Education Network (DRANZSEN) National Forum and the Planning for Spontaneous Volunteers Clinic.

The conversations had, and partnerships forged at the conference will help grow collaboration in disaster resilience. We hope communities and not-for-profits will develop their understanding of emergency services and emergency management and others in turn, can learn about building resilient families and communities.

We look forward to welcoming you to the conference.

### RUNNING CONCURRENTLY WITH



### IN COLLABORATION WITH



# AFAC18 POWERED BY INTERSCHUTZ TRADE EXHIBITION



Australian Disaster Resilience Conference delegates will have full access to the AFAC18 powered by INTERSCHUTZ trade exhibition.

Delegates will be able to network and meet like-minded peers, gain insight from speakers and view posters at the ADR Knowledge Centre and listen to presentations from experts on the Expo Stage.

## EXHIBITORS

- Communication solutions for times of crisis, states of emergency and disasters
- Leading accredited training organisations
- Detection and surveillance systems
- Search and rescue technology solutions
- Emergency, rescue, and public safety vehicles and equipment
- Rapid deployment shelter systems

## REGISTRATION OPTIONS

Australian Disaster Resilience Conference Pass		
Thursday 6 and Friday 7 September	\$550 + GST	<b>Inclusions</b> <ul style="list-style-type: none"> <li>• ADRC Conference</li> <li>• Trade exhibition and its features</li> <li>• Daytime catering</li> <li>• Networking function including WA Resilient Australia Awards ceremony</li> </ul>

### ADD TO YOUR CONFERENCE EXPERIENCE

Research Forum		
Wednesday 5 September 	from \$490 + GST	<b>Inclusions</b> <ul style="list-style-type: none"> <li>• Research Forum</li> <li>• Welcome and Awards ceremony</li> <li>• Trade exhibition and its features</li> <li>• Daytime catering</li> </ul>

### PROGRAM DAYS

Wednesday 5 September	Thursday 6 September	Friday 7 September	Saturday 8 September
Bushfire and Natural Hazards CRC Research Forum	Australian Disaster Resilience Conference	Australian Disaster Resilience Conference	AFAC18 Professional Development Program field trips
AFAC18 Professional Development Program workshops	Networking function including WA Resilient Australia Awards ceremony		

# AFAC18 PROFESSIONAL DEVELOPMENT PROGRAM

National DRANZSEN Forum

**Wednesday 5 September**

*Free*

This third National Forum offers a unique chance for educators, researchers and fire and emergency management practitioners to meet and learn about effective and sustainable disaster resilience education practices, be informed about current research, establish national priorities, and share knowledge and expertise.

Attendees will be informed of significant findings from a major nationwide research project, evaluating the effectiveness of disaster resilience education programs in a diverse range of learning environments. Based on the findings of this research, examples of effective learning content and delivery will be presented and educators will be directed to supporting resources and guidance to implement their own successful learning programs.

*Sponsored by the Australian Institute for Disaster Resilience.*

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Disaster Resilience 

Planning for Spontaneous volunteers Clinic

**Wednesday 5 September**

*\$150 + GST*

This clinic is designed to benefit those working with, and planning for spontaneous volunteers before, during and after an event

The clinic will support those working in volunteer management, recruitment and policymaking from organisations such as; local, state, and commonwealth governments, volunteering groups including emergency volunteers, community groups and emergency services and emergency management organisations.

*Sponsored by the Australian Institute for Disaster Resilience.*

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EMSINA presents: Mapping and location technologies in emergency management – get up to speed with all the possibilities!

**Wednesday 5 September**

*\$150 + GST*

Through presentations and lightning talks, this workshop will showcase examples of the use and the growing demands of mapping and location technologies to not only support the emergency service workforce, but also public information demands.

During this professional development opportunity, you will see presentations from users and those who manage these systems in emergency service organisations from across Australia along with some of the major vendors of spatial technologies.

You will hear about how their systems held up to demand in past crisis, what could have been better and what the future holds from an ever increasing need for spatial solutions. There will also be a discussion panel and briefings from the body linking all jurisdictions, the Emergency Management Spatial Information Network Australia (EMSINA).

*Motorola Solutions – partnering with AFAC to bring knowledge to emergency services.*

 **MOTOROLA SOLUTIONS**

# AFAC18 PROFESSIONAL DEVELOPMENT PROGRAM

Bushfire mitigation in south-west Western Australia

**Friday 7 September (from 5.00pm) – Saturday 8 September (concluding 5.00pm)**

*\$400 + GST*

*Includes: Transport, accommodation, meals (breakfast, morning tea, lunch and dinner)*

The field trip offers important insights into the complexities of prescribed burning and other risk management activities at each of the locations visited. Participants will be provided with an overview of the bushfire mitigation and response arrangements in Western Australia.

Visits to prescribed burning sites will allow detailed discussion of planning, implementation and post-burn reporting activities, and of regional challenges, including the impact of smoke on wine grapes. Examples, such as the Bushfire Ready Program in Yallingup, will highlight the achievements of local staff, volunteers and communities in progressing bushfire risk management activities in this complex, multi-tenure environment.

Exercising Level 3 incident controllers and incident management personnel with the use of computer and virtual reality simulation – a functional role exercise

**Saturday 8 September**

*\$75 + GST*

The master class will focus on the concept of "Functional Role Exercises". Functional role exercises allow a number of personnel from a single, AIIIMS, functional role to be exercised simultaneously and provides opportunities for coaching and mentoring. They are conducted using a rotational format using specific ideas related to an incident, or general idea, briefed at the beginning of the exercise. Exercise control perform the roles of all other incident management personnel except for the functional role being exercised.

During this presentation the audience will learn how DFES have used Computer and Virtual Reality simulations to exercise specific skills, reflective of tasks performed during an actual incident, that are complex or resource hungry to simulate under other means. Skills exercised include: Providing incident appreciation, community meetings, interactive tabletop scenarios and external agency meetings. These technologies provide a fit-for-purpose experience over and above the traditional, functional and table top exercises used currently by emergency response agencies.

Through these scenarios, DFES are able to exercise the decision making processes of those involved in high level incident management.

Volunteer Marine Rescue Exercise

**Saturday 8 September**

*\$150 + GST*

The scenario: a family member has reported to a local Volunteer Marine Rescue (VMR) group, that their partner has not returned from a SCUBA diving expedition in metropolitan waters. The VMR group that has been contacted will begin to escalate the situation by calling Water Police and gathering as much information regarding the potential whereabouts of the missing person.

Vessels will be dispatched as per standard protocols in order to search for the missing person.

AFAC delegates will receive:

- a brief on the situation before embarking on a vessel
- a full safety briefing regarding the vessels they are travelling on

Once despatched, vessels will be put through a mock search scenario, which will include demonstration of VMRS vessel capabilities including all electronic equipment on board, helicopter winching by the RAC Rescue Helicopter and interagency involvement from local through to national response.

The day will finish with a demonstration of volunteer commitment and ingenuity with a visit to Fremantle VMR group's well-equipped radio facility at Cantonment Hill, where interagency from WAPOL, AMSA and DFES Marine Services will be on hand to discuss Marine Search and Rescue in Western Australia.

# PROCEEDINGS – DAY ONE

THURSDAY 6 SEPTEMBER 2018

	Opening and keynotes (Riverside Theatre)
8.00am	Opening Ceremony (shared with AFAC18)
8.30am	Keynote: Craig Fugate <i>former Administrator, FEMA</i> (shared with AFAC18)
9.15am	Keynote: Eric Yap <i>Commissioner Singapore Civil Defence Force</i> (shared with AFAC18)
10.00am	Keynote: Mark Croweller <i>AFSM First Assistant Secretary, National Resilience Taskforce, Department of Home Affairs</i> (shared with AFAC18)
10.45am	Morning tea (Powered by INTERSCHUTZ Exhibition)
	New directions in resilience thinking (River View Room 5)
11.45am	Towards a disaster resilient Australia Stuart Ellis <i>AM Australian Institute for Disaster Resilience</i>
12.15pm	Building community resilience to meet future challenges Ronnie Faggotter <i>Department for Communities and Social Inclusion, South Australia</i> Linda Black <i>South Australian Health &amp; Medical Research Institute (SAHMRI)</i>
12.45pm	Lunch (Powered by INTERSCHUTZ Exhibition)
	Measuring and assessing disaster resilience (River View Room 5)
1.45pm	Australian Natural Disaster Resilience Index Dr Melissa Parsons <i>University of New England and Bushfire &amp; Natural Hazards CRC</i>
2.15pm	Local community and emergency organisational connectedness as a measure of disaster resilience Associate Professor Valerie Ingham <i>Charles Sturt University</i>
2.45pm	Program Evaluation, Preparedness and Resilience – Examples from Western Australia Dr Rachel Armstrong <i>Department of Fire and Emergency Services, Western Australia</i>
3.15pm	Afternoon tea (Powered by INTERSCHUTZ Exhibition)
	Enhancing recovery through greater community resilience (River View Room 5)
3.45pm	Current issues facing disaster recovery Kate Brady <i>Australian Red Cross</i>
4.15pm	Local empowerment and information management in a recovery context Graeme Milligan <i>Queensland Reconstruction Authority</i>
4.45pm	Strengthening resilience of primary producers, primary industries and farming communities Justine Drew <i>Department of Primary Industries and Regional Development, South Australia</i>
5.15pm - 6.15pm	Networking function featuring the WA Resilient Australia Awards Ceremony (Southern Foyer)



# PROCEEDINGS – DAY TWO

FRIDAY 7 SEPTEMBER 2018

Disaster Resilience Strategy and Policy (River View Room 5)	
8.30am	Australian Vulnerability Profile: Enhancing national preparedness for severe to catastrophic events Monica Osuchowski <i>Emergency Management Australia, Department of Home Affairs</i>
9.15am	Co-designing a Disaster Resilience Strategy for South Australia Miriam Lumb <i>SAFECOM (South Australian Fire and Emergency Services Commission)</i> and Monica Ritz <i>Department of the Premier and Cabinet</i>
10.00am	Morning tea (Powered by INTERSCHUTZ Exhibition)
Education (River View Room 5)	
11.00am	Hosted by Dr Briony Towers <i>RMIT and Bushfire &amp; Natural Hazards CRC</i> with 3x15 min pres + Q&A Emergency resilience in the minds of students Tony Jarrett <i>NSW Rural Fire Service</i> Child-centred disaster resilience education in north-west Australia Linley Brown <i>Department of Fire and Emergency Services, Western Australia</i> Strathewen-Arthurs Creek bushfire education partnership Jane Hayward AM <i>Strathewen Primary School</i>
Activities and case studies (River View Room 5)	
12.00pm	An Indigenous experience of disaster resilience, recovery and leadership Dr Margaret Moreton <i>Leva Consulting</i> and Phil Rist <i>Nywaigi Traditional Owner</i>
1.00pm	Disaster Storytelling – Bridging the divide and building community resilience Sandra Whight <i>Tasmania Fire Service</i>
1.30pm	Lunch (Powered by INTERSCHUTZ Exhibition)
Human behaviour to animals (River View Room 5)	
2.30pm	Strengthening resilience and recovery through better emergency preparedness and planning for animals Dr Mel Taylor <i>Macquarie University and Bushfire &amp; Natural Hazards CRC</i>
3.00pm	Animal welfare in emergencies Amanda Nardi-Wallace <i>Department of Primary Industries and Regional Development, Western Australia</i>
Future state: Creating a disaster resilient Australia (River View Room 5)	
3:30pm	Facilitated by Andrew Huffer
4:30pm	Closing ceremony (Riverside Theatre, shared with AFAC18)