



Presented by International Association of Wildland Fire in conjunction with Bushfire and Natural Hazards CRC

## 6<sup>th</sup> International Fire Behaviour and Fuels Conference Fuels of Today - Fire Behaviour of Tomorrow

International Convention Centre Sydney, New South Wales, Australia  
29 April - 3 May 2019

### PRE-CONFERENCE WORKSHOPS | MONDAY 29 APRIL

10:00 - 17:00	<b>WORKSHOP 1</b> - Practical application of fire and fuels research in prescribed burning: a research forum of the Bushfire and Natural Hazards CRC and the Centre of Excellence for Prescribed Burning	13:00 - 17:00	<b>WORKSHOP 2</b> - Fire weather
Hosted by:   		Hosted by:  <b>Australian Government</b> Bureau of Meteorology	

### Day 1 | TUESDAY 30 APRIL

8:30 - 19:00	Conference registration & information desk open		
	<b>STREAM 1</b>	<b>STREAM 2</b>	<b>STREAM 3</b>
	<b>Cockle Bay Room 1</b>	<b>Room C3.2</b>	<b>Room C3.3</b>
	<i>Chair: Euan Ferguson AFSM, IAWF Board of Directors</i>		
10:00 - 10:30	<b>Welcome to Country</b> <b>Opening ceremony</b> - President of IAWF, Alen Slijepcevic		
10:30 - 11:15	<b>KEYNOTE:</b> Final call out <b>Dr Neil Burrows</b> , Department of Biodiversity, Conservation and Attractions, Western Australia		
	<b>PANEL SESSION:</b> When does the science become useful?		
11:15 - 12:30	1. <b>Dr Neil Burrows</b> , Senior Principle Research Scientist, Department of Biodiversity, Conservation and Attractions, Western Australia 2. <b>Sandra Whight</b> , Director Community Fire Safety, Tasmania Fire Service 3. <b>Dr Owen Price</b> , Senior Research Fellow, University of Wollongong		4. <b>Dr Valerie Densmore</b> , Research Scientist, Department of Biodiversity, Conservation and Attractions, Western Australia 5. <b>A/Prof Jason Sharples</b> , Associate Professor, University of New South Wales, Canberra 6. <b>Oliver Costello</b> , Director, Firesticks Alliance Indigenous Corporation
12:30 - 13:30	<b>LUNCH</b>		
	<b>Fire behaviour and fire behaviour predictions</b> <i>Chair: Dr Adam Leavseley, Australian Capital Territory Parks and Conservation Service</i>	<b>Risk modelling and decision support systems</b> <i>Chair: Melissa O'Halloran, New South Wales Rural Fire Service</i>	<b>Fuels and fuel modification including prescribed burning</b> <i>Chair: Trevor Howard, Department of Biodiversity, Conservation and Attractions, Western Australia</i>
13:30 - 13:35	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>
13:35 - 13:55	Evaluating fuel and soil moisture indices as a guide to flammability of tall open forests <b>Dr Lachlan McCaw</b> , Department of Biodiversity, Conservation and Attractions, Western Australia	Counting tomorrow's risk: a risk-based land use planning assessment of the Ingleside Precinct <b>Laura Gannon</b> , Meridian Urban	Characterising wildland urban interface fuels and risk using LiDAR <b>Dr Meaghan Jenkins</b> , University of Wollongong
13:55 - 14:15	Drivers of fuel dynamics and flammability in wet eucalyptus forests <b>Dr Jane Cawson</b> , University of Melbourne	The use of multispectral cameras to validate satellite derived curing data <b>Agnes Kristina</b> , Department of Fire and Emergency Services, Western Australia	Determining burnability: the relationship between scheduled fuel reduction burns, completion rates and burnt area coverage <b>Dr Thomas Duff</b> , Bushfire and Natural Hazards CRC & University of Melbourne
14:15 - 14:35	Rapid modelling techniques for the inclusion of local wind and pressure fields in wildfires <b>Dr James Hilton</b> , CSIRO	Remote mapping and estimation of fuel hazards <b>Sam Hillman</b> , RMIT University & Bushfire and Natural Hazards CRC Associate Student	What drives fuel hazard across the landscape? Climate, soil or time-since-fire? <b>Sarah McColl-Gausden</b> , University of Melbourne
14:35 - 14:55	An experimental investigation of the effect of grass fuel load on grassfire behaviour <b>Dr Miguel Cruz</b> , CSIRO	Extreme wildfire development and implications for the wildland urban interface <b>A/Prof Jason Sharples</b> , Bushfire and Natural Hazards CRC & University of New South Wales	Optimising prescribed burn outcomes utilising detailed fuel moisture information <b>Brian Levine</b> , Australian Capital Territory Parks and Conservation Service

14:55 - 15:25	AFTERNOON TEA		
	<b>Fire impacts and smoke modelling</b> <i>Chair: Tony Blanks</i>	<b>Fire behaviour and fire behaviour predictions</b> <i>Chair: Dr Stuart Matthews, New South Wales Rural Fire Service</i>	<b>Shared responsibility, community partnerships and engagement</b> <i>Chair: David Bruce, IAWF Board of Directors &amp; Bushfire and Natural Hazards CRC</i>
15:25 - 15:45	Householder actions are the main determinant of wildfire damage to houses <b>Dr Owen Price</b> , University of Wollongong	Dynamic modelling of ember storms <b>Dr James Hilton</b> , CSIRO	Pau Costa Foundation: fostering international management and research engagement <b>Núria Prat-Guitart</b> , Pau Costa Foundation
15:45 - 16:05	The effect of fuel moisture on the ignition of forest fuels by molten copper and aluminium droplets <b>Erik Christiansen</b> , Exponent, Inc.	Critical conditions for flaming peat fire in wildland <b>Shaorun Lin</b> , Hong Kong Polytechnic University	Safer together - a new way of working with communities <b>Rebecca Walker</b> , Country Fire Authority, Victoria <b>Lyndal Mackintosh</b> , Department of Environment, Land, Water and Planning, Victoria
16:05 - 16:25	What has New South Wales learnt from recent post-fire case studies? <b>Melissa O'Halloran</b> , New South Wales Rural Fire Service	Fire behaviour experiments in crop lands: understanding model limitations and improving fire management decision making <b>Rachel Bessell</b> , Country Fire Authority, Victoria	Community-based bushfire management as a model for reducing bushfire risk and increasing community resilience <b>Fiona Macken</b> , Country Fire Authority, Victoria
16:25 - 16:45	Householder preparedness and defence in the 2018 Reedy Swamp (Tathra) fire <b>Dr Josh Whittaker</b> , Bushfire and Natural Hazards CRC & University of Wollongong	Analysis of linescan observations of spotting from bushfires in south east Australia <b>Michael Storey</b> , Bushfire and Natural Hazards CRC & University of Wollongong	The South East Queensland Fire and Biodiversity Consortium: building partnerships and capacity for improved fire management <b>Craig Welden</b> , South East Queensland Fire and Biodiversity Consortium
16:45 - 17:00	MINI BREAK		
	<i>Chair: Murray Carter, IAWF Board of Directors and Department of Fire and Emergency Services, Western Australia</i>		
17:00 - 17:45	<b>KEYNOTE:</b> Fire and fuels through biotic glasses <b>(Video link from Marseille, France)</b> <b>Juli G. Pausas</b> , CSIC-CIDE, Valencia, Spain		
17:45 - 18:30	<b>KEYNOTE:</b> Community continuity: an integrated approach to bushfire planning, response and recovery <b>(Video link to Marseille, France)</b> <b>Anne Leadbeater</b> , Leadbeater Group		
18:30 -19:30	WELCOME RECEPTION, POSTER SESSION & EXHIBITION		

## DAY 2 | WEDNESDAY 1 MAY

7:15 - 17:15	Conference registration & information desk open		
	<b>STREAM 1</b>	<b>STREAM 2</b>	<b>STREAM 3</b>
	<b>Cockle Bay Room 1</b>	<b>Room C3.2</b>	<b>Room C3.3</b>
	<i>Chair: Dr Richard Thornton, Bushfire and Natural Hazards CRC</i>		
8:00 - 8:45	<b>KEYNOTE:</b> The quest for wildfire-informed fuel management design – some insights from the boreal <b>(Video link from Albuquerque, United States)</b> <b>Dr Jen Beverly</b> , University of Alberta		
8:45 - 9:30	<b>KEYNOTE:</b> Savanna fire ecology, management and the carbon market <b>(Video link to Albuquerque, United States)</b> <b>Prof Jeremy Russell-Smith</b> , Bushfire and Natural Hazards CRC & Charles Darwin University		
	<i>Facilitator: Stephen Sutton, Bushfire and Natural Hazards CRC &amp; Charles Darwin University</i>		
9:30 - 10:10	<b>PANEL SESSION: Cultural burning</b>		
	1. <b>Prof Jeremy Russell-Smith</b> , Professor, Charles Darwin University & Researcher, Bushfire and Natural Hazards CRC 2. <b>Scott Falconer</b> , Assistant Chief Fire Officer, Department of Environment, Land, Water and Planning, Victoria	3. <b>Lesley Patterson</b> , Banbai Aboriginal Elder and Ranger, Banbai Employment Development Aboriginal Corporation 4. <b>Rachael Cavanagh</b> , Aboriginal Partnerships Leader, Forestry Corporation	
10:10 - 10:40	MORNING TEA		
	<b>Fuels and fuel modification including prescribed burning</b> <i>Chair: Dr Gary Sheridan, University of Melbourne</i>	<b>Towards excellence, recognising challenges and seizing opportunities</b> <i>Chair: Dr John Bates, Bushfire and Natural Hazards CRC</i>	<b>Risk modelling and decision support systems</b> <i>Chair: Andrew Jones, New South Wales Rural Fire Service</i>
10:40 - 10:45	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>
10:45 -10:50	<b>Student presentation - Three Minute Thesis</b> Untangling drivers of fuel moisture flux in topographically complex forests <b>Tegan Brown</b> , University of Melbourne & Department of Environment, Land, Water and Planning, Victoria	<b>Student presentation - Three Minute Thesis</b> Effect of fire on the drying process of soils <b>Shaorun Lin</b> , Hong Kong Polytechnic University	<b>Student presentation - Three Minute Thesis</b> Severity and flammability feedbacks in south eastern Australian forests. <b>James Barker</b> , University of Wollongong
10:50 - 11:10	Advancements and applications for fire severity and fuel mapping <b>Dr Adam Leavesley</b> , Australian Capital Territory Parks and Conservation Service	Is there a 'one sized fits all' approach to prescribed burning? <b>Dr Trent Penman</b> , Bushfire and Natural Hazards CRC & University of Melbourne	ACCESS-fire coupled fire atmosphere model <b>Dr Mika Peace</b> , Bushfire and Natural Hazards CRC & Bureau of Meteorology
11:10 - 11:30	Remotely sensing fuel properties: current state and future developments for operational fire danger and behaviour prediction <b>Dr Marta Yebra</b> , Bushfire and Natural Hazards CRC & Australian National University	Program logic and performance measures for prescribed burning <b>Deb Sparkes</b> , Centre of Excellence for Prescribed Burning	Landscape fire simulation for risk planning using weighted grid ignitions <b>Simeon Telfer</b> , Department for Environment and Water, South Australia
11:30- 11:50	Quantifying the fuel hazard landscape through 3D Point Clouds <b>Sam Hillman</b> , RMIT University & Bushfire and Natural Hazards CRC Associate Student	How much does it cost to save a life or a house: the comparative cost-effectiveness of alternative prescribed burning strategies for risk mitigation? <b>Prof Ross Bradstock</b> , Bushfire and Natural Hazards CRC & University of Wollongong	Development of a national approach to support improved grassland curing assessment <b>Alex Chen</b> , Country Fire Authority, Victoria
11:50 - 12:10	Rethinking fuel-accumulation models for complex forests: a Tasmanian case study <b>James Furlaud</b> , Bushfire and Natural Hazards CRC & University of Tasmania	Facing fire: the effectiveness of virtual reality in improving bushfire preparation and understanding public behaviour in a fire incident. <b>Delene Weber</b> , University of South Australia	Risk-based approach for environmental assets in South Australia <b>Damon Ezis</b> , Department for Environment and Water, South Australia
12:10 - 12:30	Stand recovery dynamics after the 2003 wildfires in the Australian Capital Territory <b>Rick McRae</b> , Australian Capital Territory Emergency Services Agency	A risk management framework for bushfire fuel in Western Australia <b>Trevor Howard</b> , Department of Biodiversity, Conservation and Attractions, Western Australia	Victorian fire weather climatology and applications for risk analysts <b>Andy Ackland</b> , Department of Environment, Land, Water and Planning, Victoria

12:30 - 13:15	<b>LUNCH</b>		
	<b>Fire ecology</b> <i>Chair: Prof Alan York, University of Melbourne</i>	<b>Fire behaviour and fire behaviour predictions</b> <i>Chair: Laurence McCoy, New South Wales Rural Fire Service</i>	<b>Fuels and fuel modification including prescribed burning</b> <i>Chair: Deb Sparkes, AFAC</i>
13:15 - 13:20	Announcements and introductions	Announcements and introductions	Announcements and introductions
13:20 - 13:25	<b>Student presentation - Three Minute Thesis</b> How can atmospheric stability induce extreme fire behaviour? <b>Daisuke Seto</b> , University of Canterbury	<b>Student presentation - Three Minute Thesis</b> What morphological or fuel manipulation factors have the greatest influence on old, large trees' exposure to increased temperatures from controlled burns in southeast Queensland? <b>Victoria Crepin</b> , Griffith University	A nationally holistic approach to prescribed burning <b>Deb Sparkes</b> , AFAC
13:25 - 13:45	Plant traits link to landscape scale flammability in prescribed burns in South Eastern Australia <b>Bianca Tumino</b> , University of Melbourne	Fuzzy boundaries: culture and expertise in Australian fire behaviour prediction <b>Dr Timothy Neale</b> , Bushfire and Natural Hazards CRC & Deakin University	Towards improved predictions of live fuel moisture content using plant physiological responses to drought <b>Dr Rachael Nolan</b> , Western Sydney University
13:45 - 14:05	Mammal communities respond to habitat structure, not time since fire, in a heterogeneous landscape <b>Annalie Dorph</b> , University of Melbourne	Key factors contributing to two pyrocumulonimbus clouds erupting during a prescribed burn in Western Australia <b>Dr Valerie Densmore</b> , Department of Biodiversity, Conservation and Attractions, Western Australia	Identifying critical feedbacks between vegetation change and fuel moisture in the Mountain Ash forests of south east Australia <b>Dr Gary Sheridan</b> , University of Melbourne
14:05 - 14:25	Habitat use at fire edges: do animals follow temporal patterns of habitat change? <b>Kate Parkins</b> , University of Melbourne	Simulated transport of short-range firebrands in an idealised bushfire <b>A/Prof Khalid Moinuddin</b> , Bushfire and Natural Hazards CRC & Victoria University	Dynamic modelling of fuel accumulation <b>Nina Zazali</b> , University of New South Wales, Canberra
14:25 - 14:45	Managing wildfire risk to fire sensitive rainforest vegetation. <b>Ross Peacock</b> , New South Wales Rural Fire Service	New Zealand field-scale fire experiments to test convective heat transfer in wildland fires <b>Grant Pearce</b> , Scion	Estimating fuel changes with mixture design methodologies <b>Dr Malcolm Possell</b> , University of Sydney
14:45 - 15:05	Impacts of a large scale bushfire on island bird diversity <b>David McKenna</b> , Department for Environment and Water, South Australia	Fire turbulence through the infrared lens and across scales <b>Marwan Katurji</b> , University of Canterbury	The use of the structured decision making framework to select fuel management strategies <b>Tim Gazzard</b> , Department of Environment, Water and Planning, Victoria
15:05 - 15:35	<b>AFTERNOON TEA</b>		
	<b>Indigenous burning</b> <i>Chair: Stephen Sutton, Bushfire and Natural Hazards CRC &amp; Charles Darwin University</i>	<b>Fire impacts and smoke modelling</b> <i>Chair: David Field, New South Wales Rural Fire Service</i>	<b>Fire suppression and incident management</b> <i>Chair: Dr Lachlan McCaw, Department of Biodiversity, Conservation and Attractions, Western Australia</i>
15:35 - 15:55	The Firesticks Alliance Indigenous Corporation <b>Oliver Costello</b> , Director, Firesticks Alliance Indigenous Corporation	Balancing conservation and fuel reduction using multi-objective optimisation models for prescribed burn planning <b>Delaram Pahlevani</b> , RMIT University	Evaluating aircraft suppression efficiency using predictive fire modelling techniques <b>Tim McKern</b> , Country Fire Authority, Victoria
15:55 - 16:15	Aboriginal cultural burning, brush turkey and the little furry fellas: a yarn about fuel management <b>Shaun Hooper</b> , New South Wales Office of Environment and Heritage and University of New England	A real-time fire spread and smoke forecasting system for New Zealand <b>Dr Ilze Pretorius</b> , Scion	Forecasting peak incident suppression resource requirements <b>Musa Kilinc</b> , Country Fire Authority, Victoria
16:15 - 16:35	Aboriginal cultural revival through the reintroduction of cultural burning and development of a fire & seasons calendar in south eastern Australia <b>Lesley Patterson</b> , Banbai Aboriginal Elder and Ranger <b>Michelle McKemey</b> , University of New England	Trial and evaluation of a smoke management protocol in New South Wales <b>Laurence McCoy</b> , New South Wales Rural Fire Service	Assessing gel control lines for controlling grassfires <b>Dr Matt Plucinski</b> , CSIRO
16:35 - 16:55	Collaborative prescribed burning benefits threatened mammals in northern Australia <b>Ben Corey</b> , Department of Conservation Biodiversity and Attractions, Western Australia <b>Troy Bidd</b> , Uunguu Ranger, Wunambal Gaambera Aboriginal Corporation	Development and evaluation of a smoke emission module in New South Wales operational air quality forecast modelling system <b>Khalia Monk</b> , New South Wales Office of Environment and Heritage	Managing fire in organic soils <b>Jenny Styger</b> , Tasmania Parks and Wildlife Service
17:00	<b>DAY 2 CLOSE</b>		
18:30 - 21:30	<b>CONFERENCE DINNER</b> <i>Pumphouse Sydney, Darling Harbour</i>		

## DAY 3 | THURSDAY 2 MAY

7.15 - 17:30	<b>Conference registration &amp; information desk open</b>		
	<b>STREAM 1</b>	<b>STREAM 2</b>	<b>STREAM 3</b>
	<b>Cockle Bay Room 1</b>	<b>Room C3.2</b>	<b>Room C3.3</b>
	<i>Co-Moderators: Dr Tamara Wall, Desert Research Institute   Tami Parkinson, US Forest Service   Bronnie Mackintosh, Fire and Rescue New South Wales</i>		

**PLENARY PANEL SESSION: What happens when women thrive – a life and a career in fire** (Video link between Sydney, Australia & Albuquerque, United States)

### 08:00 - 10:00 Sydney panellists:




1. **Bronnie Mackintosh**, Training Officer, Fire and Rescue New South Wales
2. **Dr Mika Peace**, Research Scientist, Bureau of Meteorology and Researcher, Bushfire & Natural Hazards CRC
3. **Erika Lind**, Prescribed Fire Planning Officer, Forest Fire Management Victoria
4. **Allison Donovan**, District Manager, Department of Biodiversity, Conservation and Attractions, Western Australia

### Albuquerque panellists:

1. **Annie Benoit**, National Wildfire Coordinating Group Training Specialist
2. **Maria Sharpe**, Fire Science & Information Manager, Canadian Interagency Forest Fire Centre
3. **Michelle Walker**, Deputy State Director-Support Services, Bureau of Land Management Idaho State Office
4. **Deanne Shulman**, Retired Forest Service

10:00 - 10:30	<b>MORNING TEA</b>		
	<b>National Fire Danger Rating System research prototype</b> <i>Chair: Simon Heemstra, New South Wales Rural Fire Service</i>	<b>Fire weather and climate</b> <i>Chair: Simeon Telfer, Department of Environment and Water South Australia</i>	<b>Fire behaviour and fire behaviour predictions</b> <i>Chair: Murray Carter, IAWF Board of Directors and Department of Fire and Emergency Services, Western Australia</i>
10:30 - 10:35	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>
10:35 - 10:55	Defining a meaningful framework <b>Dr Stuart Matthews</b> , New South Wales Rural Fire Service	Developing improved incident weather forecasts using a customer centred design process <b>Dr Monica Long</b> , Bureau of Meteorology	Managing input data uncertainty in fire spread predictions using SABRE - three years of operational performance <b>Ben Twomey</b> , Queensland Fire and Emergency Services
10:55 - 11:15	National fuel map <b>Belinda Kenny</b> , New South Wales Rural Fire Service	The climatological association of strong wind changes and periods of enhanced fire weather over Victoria <b>Graham Mills</b> , Monash University	Stochastic model for the rate of spread in a heterogeneous fuel bed <b>Zlatko Jovanoski</b> , University of New South Wales Canberra
11:15 - 11:35	Implementation of models and the forecast system <b>Dr Stuart Matthews</b> , New South Wales Rural Fire Service	Understanding the variability of Australian fire weather between 1973 and 2017 <b>Dr Sarah Harris</b> , Country Fire Authority, Victoria	An evidence-based model for fire breaching fuel breaks in the Spark wildfire simulator <b>William Swedosh</b> , CSIRO
11:35 - 11:55	Live trial results <b>Dr Saskia Grootemaat</b> , New South Wales Rural Fire Service	Goldilocks and global warming: how will climate change affect prescribed burning weather conditions in south eastern Australia? <b>Dr Hamish Clarke</b> , Bushfire and Natural Hazards CRC, University Wollongong & Western Sydney University	A universal rate of spread index for Australian fuel types <b>A/Prof Jason Sharples</b> , Bushfire and Natural Hazards CRC & University of New South Wales
11:55 - 12:15	Remote sensing of soil moisture and fire radiative power <b>Dr Alex Holmes</b> , New South Wales Rural Fire Service	Terrain influences on the meteorology of the 2017 Port Hills wildfire <b>Dr Ilze Pretorius</b> , Scion	Using the pyroCumulonimbus firepower threshold diagnostic to investigate the highly active pyroCu/Cb eastern Victorian 2019 fire season <b>Dr Kevin Tory</b> , Bureau of Meteorology
12:15 - 13:15	<b>LUNCH</b>		
	<b>National Fire Danger Rating System impacts</b> <i>Chair: Simon Heemstra, New South Wales Rural Fire Service</i>	<b>Risk modelling and decision support systems</b> <i>Chair: Dr Adam Leavseley, Australian Capital Territory Parks and Conservation Service</i>	<b>Shared responsibility, community partnerships and engagement</b> <i>Chair: David Bruce, IAWF Board of Directors &amp; Bushfire and Natural Hazards CRC</i>
13:15 - 13:20	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>	<i>Announcements and introductions</i>
13:20 - 13:40	What do the community think? Results and implications of the social research project for a new National Fire Danger Rating System <b>Peta O'Donohue</b> , South Australian Country Fire Service	Leveraging the latest grass fire science into a new approach to grass fuel load modelling for simulation inputs <b>Andrew Sturgess</b> , Queensland Fire and Emergency Services	The return of cultural burning <b>Scott Falconer</b> , Department of Environment, Land, Water and Planning, Victoria <b>Trent Nelson</b> , Dja Dja Wurrung Aboriginal Corporation
13:40 - 14:00	Changes in fire danger diurnality with elevation in Tasmania: the old and the new <b>Dr Paul Fox-Hughes</b> , Bureau of Meteorology	Risk in landscape fire management: looking back, looking forward <b>Dr Lauren Bennett</b> , University of Melbourne	Normalising public preparedness for wildfire: attaining 'fire-fitness' <b>Dr Rachel Westcott</b> , Bushfire and Natural Hazards CRC & Western Sydney University
14:00 - 14:20	A climatological analysis of fire danger indices for Australia. <b>Samuel Sauvage</b> , Bureau of Meteorology	A novel decision support tool to quantify risk: using QGIS to model and predict where the risk lies <b>Matti Virkki</b> , Ten Rivers	Automation of fire extent and severity mapping <b>Warwick Hehir</b> , NSW Rural Fire Service
14:20 - 14:55	<b>AFTERNOON TEA</b>		
	<i>Chair: Stuart Ellis, AFAC</i>		
14:55 - 15:00	<i>Announcements and Introductions</i>		
15:00 - 15:20	2022: the journey towards an Australian National Warnings System for all emergencies <b>Fiona Dunstan</b> , South Australian Country Fire Service		
15:20 - 16:05	<b>PANEL SESSION:</b> What will the new fire danger rating system mean for agencies and the community? 1. <b>Fiona Dunstan</b> , Manager Information Operations, South Australian Country Fire Service 2. <b>Greg Esnouf</b> , National Fire Danger System Program, AFAC 3. <b>Ann Farrell</b> , State Manager New South Wales, Bureau of Meteorology 4. <b>Simon Heemstra</b> , Manager Planning and Predictive Services, New South Wales Rural Fire Service 5. <b>Sandra Whight</b> , Director Community Fire Safety, Tasmania Fire Service		
16:05 - 16:50	<b>KEYNOTE:</b> A blueprint for wildland fire science in Canada <b>Michael Norton</b> , Director General, Northern Forestry Centre, Natural Resources Canada, Government of Canada		
16:50 - 17:00	Closing ceremony <b>Dr Richard Thornton</b> , CEO, Bushfire and Natural Hazards CRC		

## POST-CONFERENCE FIELD TRIPS | FRIDAY 3 MAY

7:30 - 16:00	<b>FIELD TRIP 1</b> - From wilderness to western Sydney: managing fires and fuels across the diverse landscapes of the Blue Mountains  <i>* Bus departs Iron Wharf Place, ICC Sydney on Thursday 2 May</i>	 	8:30 - 15:00 <b>FIELD TRIP 2</b> - Fire behaviour analysis tools and techniques  <i>*Bus departs Iron Wharf Place, ICC Sydney on Friday 3 May</i>	
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