



## Research Advisory Forum Project Presentations

Australian National University (ANU)

**University house**

**Room: Hall**

1 Balmain Crescent, Acton, ACT 2601

**Day 1 - Tuesday 18 October 2016**

Time	Activity / Speaker	Title
8:15	<b>Arrival tea &amp; coffee – Registrations, University House</b>	
9:00	Introduction	Dr Richard Thornton, CEO Dr Michael Rumsewicz, Research Manager Dr Matthew Hayne, Research Utilisation Manager
9:30	Malcolm Possell	Optimisation of fuel reduction burning regimes: an update (Project Leader - Tina Bell)
10:00	Ross Bradstock	From hectares to tailor-made solutions for risk mitigation: systems to deliver effective prescribed burning across Australian ecosystems
10:00	Andrew Edwards & Natalie Rossiter-Racher	Savanna fire management for northern Australia
11:00	<b>Morning Tea &amp; Coffee</b>	
11:30	Khalid Moinuddin	Fire spread prediction across fuel types (Project Leader – Graham Thorpe)
12:00	Jason Sharples	Dynamic modelling of fire coalescence
12:30	<b>Lunch</b>	
1:30	Alexander Filkov	Determining threshold conditions for extreme fire behaviour
2:00	Mika Peace	Coupled Fire-Atmosphere Modelling
2:30	Imtiaz Dharssi	Mitigating the effects of severe fires, floods and heatwaves through improvements of land dryness measures and forecasts
3:00	<b>Afternoon Tea &amp; Coffee</b>	
3:30	Karin Reinke	Disaster Landscape Attribution: Fire Surveillance and Hazard Mapping (Project Leader - Simon Jones)
4:00	Marta Yebra	Mapping bushfire hazard and impacts (Project Leader - Albert van Dijk)
4:30	Jeff Kepert	Improved predictions of severe weather to reduce community impact
5:00	Day one of the RAF concludes	
6:00 – 8:00	<b>BNHCRC informal social gathering for all RAF participants</b>	

***\*Agenda subject to change***



**Day 2 - Wednesday 1 \ 201**

Time	Activity / Speaker	Title
<b>8:15</b>	<b>Arrival Tea &amp; Coffee, registration, University House</b>	
<b>9:00</b>	CEO and Chairman Q & A	Dr Richard Thornton, CEO & Dr Laurie Hammond, Chairman
<b>9:30</b>	David Bruce, Communications Manager - Intro to 3-minute thesis	Sue Hunt. @ Caroline Wenger. <i>Flood management in a changing climate: Integrating effective approaches</i> Timothy Ramm. <i>Advancing long-term planning and decision analysis to improve the resilience of communities against coastal risk</i> Megan O Donnell. <i>Effects of prenatal bushfire stress on life history traits in humans</i> Daniel May. <i>Taking fire: The political and cultural influence of indigenous burning in settler societies</i> Gabriella Raducan. <i>Impact of bushfire on water quality</i> James Furland. <i>characterising fire behaviour in Tasmania's wet forests types though improved models</i> Yang Zhang. <i>Understanding spatial patterns of wildfire occurrence in South Eastern Australia</i>
<b>10:00</b>	Scott Nichol	Resilience to clustered disaster events on the coast - storm surge
<b>10:30</b>	Valentijn Pauwels	Improving flood forecast skill using remote sensing data
<b>11:00</b>	<b>Morning Tea &amp; Coffee</b>	
<b>11:30</b>	Mark Edwards	Progress report and future plans for earthquake mitigation strategy for buildings
<b>12:00</b>	Daniel Smith	Classification of house types, damage and retrofitting (Project Leaders - David Henderson and John Ginger)
<b>12:30</b>	David Bruce, Communications Manager - Intro to 3-minute thesis	Ashley Wright. <i>Improving flood forecasting skill using remote sensing data</i> Wasin Chaivaranont. <i>Estimating wildfire fuel load from remotely sensed data</i> Yang Chen. <i>Modelling forest fuel temporal change using LiDAR</i> Ryan Hoult. <i>Seismic assessment and design philosophy of reinforced concrete walls in Australia</i> Thomas Kloetzke. <i>Measurement, analysis and simulation of surface wind fields during land falling tropical cyclones</i> Korah Parackal. <i>An analytical technique for determining the redistribution of structural load effects with increasing wind loads</i>
<b>1:00</b>	<b>Lunch</b>	
<b>1:45</b>	Tariq Maqsood	Cost-effective mitigation strategy development for flood prone buildings
<b>2:15</b>	Sujeeva Setunge & Hessam Mohseni	Enhancing resilience of critical road structures: bridges, culverts and floodways under natural hazards
<b>2:45</b>	Krishna Nadimpalli	Natural Hazard Exposure Information Framework
<b>3:15</b>	Dr Michael Rumsewicz	<b>BNHCRC RAF concludes</b>
<b>3:30</b>	<b>Afternoon Tea &amp; Coffee</b>	

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