

PRE-SYMPOSIUM WORKSHOPS

PROGRAM DAY: Monday 12th October 2015

Venue: Woodward Centre, Level 10 Melbourne Law School

TIME DETAILS

9.00am - 10.00am Arrival and Registration

OPENING SESSION

10.00am - 10.45am
Welcome and Setting the Scene
Prof. Abbas Rajabifard (Symposium Chair)

Disaster Management Today and the Future
Mr. Gerald Griffin (Centre for Disaster Management and Public Safety, the University of Melbourne)

PLENARY SESSION: MISSION CRITICAL COMMUNICATIONS

Chair: Mr. Geoff Spring (Centre for Disaster Management and Public Safety, the University of Melbourne)

10.45am - 12.30pm
Spectrum Management in Australia
Mr. Brian Kelleher (Assistant Secretary, Department of Communications Australia)

National Public Safety Mobile Broadband Review
Mr. Jonathan Coppel (Commissioner, Australian Productivity Commission)

ISO and OGC Data Standards
Mr. Chris Body (Office of Spatial Policy, Department of Communications Australia)

Critical Infrastructure Resilience
Assoc. Prof. Colin Duffield (Infrastructure Australia; Department of Infrastructure Engineering, the University of Melbourne)

Panel Discussion

12.30pm - 1.15pm Lunch

PARALLEL WORKSHOPS

	Main Theatre	Room 1
1.15pm - 2.45pm	Workshop 1: Trends and Issues in Disaster Management (Logistics) Workshop facilitator: Assoc. Prof. Russell Thompson	Workshop 2: Trends and Issues in Disaster Management (Flood Management) Workshop facilitator: Prof. Andrew Western
	Disaster Logistics Prof. Majid Sarvi (Institute of Transport Studies, Monash University)	Flood Management Prof. Andrew Western (Dept. of Infrastructure Engineering, the University of Melbourne)
	Understanding Crowd Dynamics in an Extreme Emergency Prof. Majid Sarvi (Institute of Transport Studies, Monash University)	A Decision Support Framework for Detailed Assessment and 3D Visualisation of Flood Risk to Buildings Mr. Sam Amirebrahimi (Centre for Disaster Management and Public Safety, the University of Melbourne)
	Disaster Management and Humanitarian Logistics Prof. Eiichi Taniguchi (Kyoto University, Japan)	Early Warning Model Selection of the Flood District of Huaihe River Stem at the Perspective of Stakeholders: A Case Study of the Mengwa Flood District Mr. Xin Zhang (Hohai University, China)
	Near Optimal Evacuation Scenario Search with Simulation Technologies Dr. Hidemasa Muta (IBM Research Australia)	Flood Management: Estimating the Likelihood of the Improbable Dr. Rory Nathan (Dept. of Infrastructure Engineering, the University of Melbourne)

Discussion

Discussion

2.45pm - 3.15pm Afternoon Tea

	Main Theatre	Room 1	
3.15pm - 4.45pm	<p>Workshop 3: Trends and Issues in Disaster Management (Earthquakes) Workshop facilitator: Assoc. Prof. Helen Goldsworthy</p> <p>SEGMENT 1 Introduction to the new Earthquake Mitigation Research Unit Assoc. Prof. Helen Goldsworthy (Dept. of Infrastructure Engineering, the University of Melbourne)</p> <p>Seismic Hazard, Paleoseismology, Site Response Assoc. Prof. Mark Quigley (School of Earth Sciences, the University of Melbourne)</p> <p>Discussion</p> <p>SEGMENT 2 Background to seismicity in Nepal Mr. Gary Gibson (School of Earth Sciences, the University of Melbourne)</p> <p>Reconnaissance in Nepal Mr. Tilak Pokharel (Dept. of Infrastructure Engineering, the University of Melbourne)</p> <p>EMRU's activities in Nepal Assoc. Prof. Helen Goldsworthy (Dept. of Infrastructure Engineering, the University of Melbourne)</p> <p>Discussion</p> <p>SEGMENT 3 Vulnerability and Risk Assessment Dr. Elisa Lumantarna (Dept. of Infrastructure Engineering, the University of Melbourne)</p> <p>International Code Development Work in Malaysia, Korea, and Sri Lanka Assoc. Prof. Nelson Lam (Dept. of Infrastructure Engineering, the University of Melbourne)</p> <p>Discussion</p>	<p>Workshop 4: Disaster Management Technology Workshop facilitator: Mr. David Williams</p> <hr/> <p>Unified GPS-Based Earthquake Catalogues Dr. Paramesh Banerjee (Technical Director, Earth Observatory of Singapore)</p> <hr/> <p>High Performance Computing Mr. Chris Myers (V3 Alliance Australia)</p> <hr/> <p>Wildfire Simulation for Identifying Determinants of Community Loss Dr. David Budden (IBM Research Australia)</p> <hr/> <p>Improving Building Energy Efficiency Using Precooling (BEEf-UP) Dr. Arun Vishwanath (IBM Research Australia)</p> <hr/> <p>PointShare.org: a Starting Point for all Practitioners and Researchers of Disaster Management Dr. Daniel Paez and Assoc. Prof. David Mitchell (University of Los Andes, Colombia; RMIT University, Melbourne)</p> <hr/> <p>Discussion</p>	
	4.45pm	<p>Close of Day 1 Visit to Centre for Disaster Management and Public Safety Lab</p>	

SYMPOSIUM DAY 1: INTERNATIONAL DAY FOR DISASTER RISK REDUCTION

PROGRAM DAY: Tuesday 13th October 2015

Venue: Woodward Centre, Level 10 Melbourne Law School

TIME

DETAILS

8.00am – 8.30am

Arrival and Registration

OPENING SESSION

Chair: Prof. Abbas Rajabifard (Director, Centre for Disaster Management and Public Safety, the University of Melbourne)

Official Welcome of the 2nd International Symposium on Disaster Management

Prof. James McCluskey (Deputy Vice Chancellor – Research, the University of Melbourne)

Official Opening of the 2nd International Symposium on Disaster Management

The Hon. Jane Garrett (Minister for Emergency Services; Minister for Consumer Affairs, Gaming and Liquor Regulation)

8.30am – 10.00pm

Overview of Community Expectations When Recovering from Disasters

Mr. Neil Comrie AO APM (Department of Premier and Cabinet, Victoria)

Symposium Overview and Objectives

Prof. Abbas Rajabifard (Symposium Chair)

10.00am – 10.30am

Morning Tea

PLENARY SESSION: GLOBAL DISASTER MANAGEMENT

Chair: Prof. Iven Mareels (Dean, Melbourne School of Engineering, the University of Melbourne)

The 2030 Global Policy Agenda for Sustainable Development, Disaster Risk Reduction, and Climate Change

Mr. Greg Scott (United Nations Inter-Regional Advisor, Global Geospatial Information Management Initiative)

Overview of IBM Research Melbourne

Dr. Joanna Batstone (Vice President and Lab Director, IBM Research Australia; CTO IBM Australia and New Zealand)

10.30am – 12.30pm

Government Policy and Complex Problems

Prof. Helen Sullivan (Foundation Director, Melbourne School of Government, the University of Melbourne)

Australia's Disaster Risk Management Efforts: Working as a Partner in our Region

Mr. Andrew Egan (Assistant Secretary, Department of Foreign Affairs and Trade)

Panel Discussion

12.30pm – 1.30pm

Lunch

PARALLEL SESSION 1

Main Theatre

Theme 1: Disaster Risk Reduction

Chair: Mr. Ged Griffin

Environmental Chamber Science for Understanding Indoor Air Pollutant Risks

Prof. Anne Steinemann and Dr. Steven Brown (Dept. of Infrastructure Engineering, the University of Melbourne; CSIRO)

The Effect of Climate Change on Disasters in the Tropics

Assoc. Prof. Kevin Walsh (School of Earth Sciences, the University of Melbourne)

The Earthquake and Consideration in Higher Dams in China

Prof. Wang Jinting (Tsinghua University, Beijing China)

Towards Disaster Resilient Communities – Challenges with Reference to India's Coastal Zone

Room 1

Theme 2: Disaster Management

Chair: Mr. David Williams

Residual Mechanical Properties of Structural Materials Partially Damaged by Extreme Loading

Dr. Amin Heidarpour (Dept. of Civil Engineering, Monash University)

Map Content and Advanced Technologies for Disaster Management

Dr. Ali Aien and Dr. Rohan Fernando, HERE Map

Social Applications and Sensible Societies

Dr. Fernando Koch (Samsung, Brazil)

Smart Emergency Management and Technology in a MEGA city

1.15pm – 2.45pm

PARALLEL SESSION 2

	Main Theatre	Room 1
	Theme 3: Disaster Risk Reduction Chair: Mr. Steve Tsikaris	Theme 4: Disaster Management Chair: Dr. Mohsen Kalantari
3.30pm – 4.10pm	Pre-Disaster Economic Loss Modelling Prof. Mehmet Ulubasoglu and Dr. Katie Potts (School of Economics, Deakin University; Centre for Disaster Management and Public Safety, the University of Melbourne)	Disaster Management and SDI applications in Chile Mr. Alvaro Monett (Executive Secretary, Ministry of Property, Chile)
	Geospatial Perspective on Incorporating Natural Disaster Projection into Spatial Planning, Lessons from some Indonesian cities Dr. Heri Sutanta (University of Gadjah Mada, Indonesia)	Crowd-sourcing for Disaster Management Rebooted Prof. Pascal Perez (the University of Wollongong)

PLENARY SESSION: DISASTER MANAGEMENT PLATFORMS

Chair: Mr. Gerald Griffin (Centre for Disaster Management and Public Safety, the University of Melbourne)

4.15pm – 5.50pm	ADMP Initiative and Intelligent Disaster Decision Support System Prof. Abbas Rajabifard (Centre for Disaster Management and Public Safety, the University of Melbourne)
	A Bushfire Evacuation Planning Service Utilising Multiple Simulation Systems Dr. Kent Steer and Dr. Mahathir Bin Ahmad Almashor (IBM Research Australia)
	Research Poster Finalist Presentations
5.50pm – 6.30pm	Welcome Drinks and Networking
6.30pm	Gala Dinner

SYMPOSIUM DAY 2: ISDM – MELBOURNE

PROGRAM DAY: Wednesday 14th October 2015

Venue: Woodward Centre, Level 10 Melbourne Law School

TIME DETAILS

8.30am – 8.50am Arrival and Registration

OPENING SESSION

8.50am – 9.00am **Welcome Address**
Prof. Abbas Rajabifard (Symposium Chair)

PLENARY SESSION: EMERGENCY MANAGEMENT

Chair: Mr. Greg Iretton (Centre for Disaster Management and Public Safety, the University of Melbourne)

9.00am – 10.30pm

Launch of Emergency Management Victoria Resilience Strategy
Mr. Craig Lapsley (Commissioner, Emergency Management Victoria)

Media Management in a Disaster – Lessons from Hurricane Sandy
Mr. Robert Jensen (Department of Homeland Security [retired], USA)

Ultrasonic Processing Technology for Food Security
Prof. Muthupandian Ashokkumar (School of Chemistry, the University of Melbourne)

Panel Discussion

10.30am – 11.00am Morning Tea

PARALLEL SESSION 3

Main Theatre	Room 1
Theme 6: Community Resilience Chair: Mr. Greg Iretton	Theme 5: Disaster Recovery and Reconstruction Chair: Mr. Geoff Spring
Resourcing the Christchurch Rebuild: Future Directions for Disaster Recovery Prof. Suzanne Wilkinson (the University of Auckland, New Zealand)	Social Influences on Disaster Recovery: Beyond Bushfires Assoc. Prof. Lisa Gibbs (Melbourne School of Population and Global Health, the University of Melbourne)
Strengthening of Reinforced Concrete Columns with Post-compressed Plates Assoc. Prof. Ray Su (the University of Hong Kong, Hong Kong)	A Multi-level Framework for Mental Health Response Following Disaster Prof. David Forbes (Director, Phoenix Australia, the University of Melbourne)
How Social Practices of Risk and Resilience interrupt the Preparedness-Recovery Continuum Dr. Jana-Axinja Paschen (Landscape and Environmental Sociology Lab, School of Ecosystem and Forest Sciences, The University of Melbourne)	Informal Volunteerism in Emergencies and Disasters Dr. Josh Whittaker (RMIT University, Melbourne)
Disaster Management: Building Resilient Systems to Aid Recovery Assoc. Prof. Tony Sleigh (School of Business, the University of Sydney)	Household Preparedness for Fires and Floods: An Empirical Evaluation of the Role of Information Dr. Illona McNeil (Melbourne School of Psychological Science, the University of Melbourne)
Role of NGOs in Disaster Response Mr. Andrew Coghlan (National Manager, Red Cross Domestic Emergency Services Australia)	After Help: Enabling Locals Helping Locals Dr. Melanie Roberts (IBM Research Australia)

CLOSING SESSION

Chair: Prof. Abbas Rajabifard (Centre for Disaster Management and Public Safety, the University of Melbourne)

12.45pm – 1.00pm Event Reflection

1.00pm – 1.10pm **Closing Remarks**
Prof. Iven Mareels (Dean, Melbourne School of Engineering, the University of Melbourne)