

# 5th Australasian Natural Hazards Management Conference

# 2011

Gold Coast, Australia

18–21 July 2011

## Major Events, Major Impacts

**Conference program**

V 1.1: 16 May 2011



Gold Coast City Council is proud to host the 5th Annual Australasian Natural Hazards Management Conference, and calls for expressions of interest from researchers and emergency management professionals to present papers and host workshops on the theme of *Major Events, Major Impacts*.

## About the conference

**The Australasian Natural Hazards Management Conference is an annual international conference which seeks to provide a forum within the Australasian region to discuss the integration of hazard information into effective risk management of natural hazards.**

The conference includes sessions on a range of natural disaster management issues, including:

- applying hazard information to best practice planning
- exploring new technologies and advances in science applications
- natural hazard mitigation
- creating resilient communities and capacity building through integrating science into practice
- recovery from natural disasters

**The target audience for the conference includes:**

- emergency managers
- policy makers
- researchers
- planners
- risk assessors
- asset and utility managers
- scientists, and
- students

Adopting a theme that focuses on major events and major impacts of natural hazards, this year's conference will provide a unique opportunity for participants to consider, examine and review best practice natural hazard disaster management, especially given the number and extent of natural disasters within the Australasian region over the past 12 months.

**In the wake of the recent series of flooding and earthquake disasters in Australia and New Zealand, the Australasian Natural Hazards Management Conference takes on added significance. It is a most timely event for professionals working in all aspects of emergency management.**



## 2011 conference dates and venue

**Dates:** 18 – 21 July 2011

**Venue:** Gold Coast, Australia.

The 2011 Australasian Natural Hazards Management Conference will be conducted at Gold Coast, Australia, from 18 – 21 July 2011.

The Gold Coast has a beautiful sub-tropical climate, with warm, mild winters and close to 300 sunny days a year.

In July temperatures range from an average of 9 to 21 degrees Celsius.

In 2011, the conference will be conducted at:

### **QT Gold Coast**

(formerly Gold Coast International Hotel)

7 STAGHORN AVENUE  
SURFERS PARADISE QLD 4217  
AUSTRALIA

PH +61 7 5584 1200

Accommodation is available at the conference venue

Book online at:

[www.rydges.com/cwp/hazards](http://www.rydges.com/cwp/hazards)

The Gold Coast has a range of accommodation available. Check out the Gold Coast Tourism website for other options:

<http://www.visitgoldcoast.com/accommodation/>

# CONFERENCE PROGRAM

(Note: The program may be subject to minor change.  
The final program will be released by 4 July 2011.)

## *Pre-conference Workshops*

The following 3 hour workshops are offered to provide participants with opportunities to engage in depth with content and presenters. They are typically offered in a “master class” format and are interactive.

Monday 18 July 2011		
9.00 am – 12.00 noon	Topic:	Hosted By:
(Select One)	<p><b>A. Major Disaster Events</b></p> <p>This workshop will focus on a number of major recent disaster events: flooding in Brisbane and Rockhampton, and Severe Tropical Cyclone Yasi in the Tully Region.</p> <p>The workshop will draw on the expertise and experience of the presenters in disaster management and these recent events, in relation to: land use planning, risk communication and community perceptions of risk, emergency alerting and warning systems, planning and preparation, operational responses to disasters and community recovery.</p>	<p><b>Stephen Jenkins</b> Regional Director Australia, New Zealand &amp; Oceania Region TIEMS – The International Emergency Management Society</p> <p><b>Assoc Prof David King</b> Centre for Tropical Urban and Regional Planning James Cook University, Townsville</p>
	<p><b>B. Information Management Systems</b></p> <p>This workshop will focus on systems used to track and provide warning of disasters.</p> <p>In particular it will focus on systems that allow for the gathering and coordination of information.</p> <p>The workshop will include demonstrations of Emergency Alert, CoastalCOMS, Guardian, and other information management systems.</p>	<p><b>Mr Eddie Bennet</b> Regional Director Emergency Management Queensland</p> <p><b>Mr J Cowan</b> Telstra, Australia</p> <p><b>Mr Chris Lane</b> Research and Development Manager CoastalCOMS, Australia.</p>
	<p><b>C. Gender and Disasters</b></p> <p>This workshop focuses on gender and families during disasters and examines issues such as: single-parent families during disasters, domestic violence during disasters, children’s needs during disasters, rural families and disasters, and youth and disasters.</p> <p>The workshop is drawing from international expertise in the United Kingdom, the United States, and New Zealand, as well as Australian research to inform local practitioners, policy makers and planners of what is currently being found in the latest research available.</p> <p>It will give the opportunity for the practitioners, policy makers and planners to discuss their needs of the research community and potentially formulate future research directions.</p>	<p><b>Dr Maureen Fordham</b> Senior Lecturer in Disaster Management, University of Northumbria, UK</p>

Cost: \$150 per workshop

### **Pre-conference Workshops (continued)**

The following 3 hour workshops are offered to provide participants with opportunities to engage in depth with content and presenters. They are typically offered in a “master class” format, and are interactive.

Monday 18 July 2011		
1.00 pm – 4.00 pm  (Select One)	<b>Topic:</b>	<b>Hosted By:</b>
	<b>D. Partnerships: Science and government enhancing capability</b>  The purpose of this workshop is to bring the scientific and government communities together to enhance and strengthen relationships that will ultimately improve the resilience of Australian communities to natural disasters. By doing so, the scientific community will gain a clearer understanding of the key drivers for capability development within government, and government will gain a clearer understanding of the breadth of expertise within the scientific community.	<b>Co-chairs:</b> <b>Attorney-General's Department</b> Australian Government  <b>Geoscience Australia</b>
	<b>E. Social Media and Disasters</b>  This workshop will explore the emergent use of social media in preparation for and during times of disaster. It will examine examples from the various Australian Floods and Christchurch Earthquakes, and challenge participants to consider the future of social media within disaster management agencies.	<b>Chair:</b> <b>Corporate Communications Branch</b> Gold Coast City Council  <b>Mr Philip Campbell</b> NSW State Emergency Service  <b>Ms Sara Page</b> Outreach Coordinator, GeoNet GNS Science, NZ
	<b>F. Professionalising emergency management</b>  This workshop will examine best practice and current trends in education and training of emergency management personnel.	<b>Chair:</b> <b>Ms Raelene Thompson</b> Executive Director Australian Emergency Management Institute Attorney-General's Department
<b>G. Pre-deployment preparation for emergency services personnel in large scale disasters</b>  This workshop will discuss pre-deployment considerations that are essential for emergency service organisations, the goals of on-scene support and training and how to consider the potential impact on responders that could compromise their ability to function on scene or post disaster and provide the necessary training.	<b>Gina Mammone</b> Manager, Critical Incident and Counselling Services NSW State Emergency Service  <b>Craig Willmott</b> Managing Director Employee Assistance Services Australia	

Cost: \$150 per workshop

## Main Conference

Tuesday 19 July 2011	
8.15 am	<b>Welcome and Conference Opening</b>
8.30 am	<b>Keynote Speaker:</b> <b>“Reflections on Queensland Flood Disasters”</b> <b>Deputy Commissioner Ian Stewart,</b> <b>Queensland Police Service</b>
9.10 am	<b>Session 1: The role of research in emergency management</b> <ul style="list-style-type: none"> <li>• <i>“The role of multi-disciplinary research and collaboration for improving the resilience of communities to natural hazard events”</i>            Assoc Prof David Johnson, GNS Science &amp; Massey University, Wellington, NZ</li> <li>• <i>“Integrating research and practice: A holistic, multi-site and process-oriented action research designed to build community disaster capacity”</i>            Buergelt, P., Morrison, D., Lawrence, C., Dunlop, P. &amp; Clark, P., University of Western Australia &amp; Bushfire CRC</li> <li>• <i>“Investigating the electrical conductivity of volcanic ash and its effects on HV power systems”</i>            Wardman, J., Wilson, T., Cole, J. &amp; Johnson, D., University of Canterbury, GNS Science NZ, Massey University, NZ</li> </ul>
10.20 am	<b>Morning Tea</b>
10.40 am	<b>Session 2: Prevention – Understanding and Reducing risk</b> <ul style="list-style-type: none"> <li>• <i>“A flood’s silver lining: Developing flood intelligence for enhanced community resilience”</i>            Opper, S. &amp; Yeo, S., NSW State Emergency Service &amp; Bewsher Consulting</li> <li>• <i>“Experience of flood event documentation in transport systems”</i>            Banizaman, F., Lari, F, Abbasi, H, Poryari, M, Ministry of Road and Transportation, Iran.</li> <li>• <i>“Extreme events and impacts: Contributions of hazardscape and gaps in response practices”</i>            Khan, S., Victoria University of Wellington, NZ.</li> </ul>
12.10 pm	<b>Lunch</b>

**Main Conference  
(continued)**

Tuesday 19 July 2011 (cont)	
1.00 pm	<p><b>Keynote Speaker:</b></p> <p><b>“Research and Practice: The importance of agency hazard research programs”</b></p> <p style="text-align: center;"><b>Commissioner Murray Kear AFSM, NSW State Emergency Service</b></p>
1.40 pm	<p><b>Session 3: Preparedness – Being ready</b></p> <ul style="list-style-type: none"> <li>• <i>“Address-based flood risk indexing: A method of communicating flood risk to the public and industry”</i> Mirfenderesk, H., Gold Coast City Council, Australia.</li> <li>• <i>“Alert but not alarmed: Examining the potential benefits of anxiety and worry on behavioural preparedness for threat in bushfire affected communities”</i> Clarke, P., Dunlop, P., MacLeod, C., Buergelt, P., &amp; Morrison, D., University of Western Australia &amp; Bushfire CRC</li> <li>• <i>“Keeping people out of floodwaters: A review of reasons why people enter floodwater”</i> Becker, J., Webber, D., Wright, K., Doody, B., McClure, J., Pritchard, S. &amp; Davies, B., GNS Science NZ, NSW State Emergency Service and Victoria University Wellington, NZ.</li> <li>• <i>“Impact of the Christchurch earthquake on the future of public education within the hazard management context”</i> Hughes, M., Massey University, NZ</li> </ul>
3.40 pm	<b>Afternoon Tea</b>
4.00 pm	<p><b>Session 4: Communicating Disaster Information</b></p> <ul style="list-style-type: none"> <li>• <i>“Building situational awareness: The role of media agencies through the ages”</i> Hanrahan, M., Nine News Gold Coast, Australia.</li> <li>• <i>“Communicating uncertainty of weather forecasts: From meteorologists to end users”</i> Achilles, T., Bureau of Meteorology, Australia.</li> <li>• <i>“Is the age of strategic communications dead?”</i> Rekers, P., Australia</li> </ul>
5.30 pm	<b>Close – Day One</b>

**Main Conference  
(continued)**

Wednesday 20 July 2011	
8.20 am	<b>Welcome – Day Two</b>
8.30 am	<b>Keynote Speakers:</b> <b>“Reflections on Christchurch Earthquake Disasters”</b>  <b>Supt Dave Cliff</b> <b>District Commander, Canterbury District</b> <b>New Zealand Police Service</b>  <b>Area Commander Dan Coward</b> <b>Area Manager Christchurch</b> <b>New Zealand Fire Service</b>
9.10 am	<b>Session 5: Response</b> <ul style="list-style-type: none"> <li>• <i>“Christchurch earthquake civil defence response”</i> Mitchell, J., Canterbury Civil Defence and Emergency Management Group, NZ</li> <li>• <i>“Research and prior knowledge informing response and recovery following the Canterbury earthquakes of 2010 and 2011”</i> Brackley, H. &amp; Berryman, K., GNS Science, NZ.</li> <li>• <i>“Development of disaster response tools”</i> Handby, R., Australian Red Cross</li> </ul>
10.40 am	<b>Morning Tea</b>
11.00 am	<b>Session 5: Response (continued)</b> <ul style="list-style-type: none"> <li>• <i>“Severe Tropical Cyclone Yasi – seen but once in a generation”</i> Davidson, J., Bureau of Meteorology, Australia.</li> <li>• <i>“Information processing in the face of threat: A multilevel research perspective”</i> Morrison, D., Skinner, T., Lawrence, C., MacLeod, C., Buergelt, P., Dunlop, P. &amp; Clark, P., University of Western Australia &amp; Bushfire CRC.</li> <li>• <i>“Vulnerable communities identification and mapping project (Renal Enable)”</i> Winn, L., NSW Health Counter Disaster Unit, Australia.</li> </ul>
12.30 pm	<b>Lunch</b>

**Main Conference  
(continued)**

**Wednesday 20 July 2011 (cont)**

1.15 pm	<b>Keynote Speaker:</b> <b>“Recovering from Crisis”</b> <b>Mr Greg Goebel,</b> <b>Executive Director</b> <b>Australian Red Cross, Queensland</b>
2.00 pm	<b>Session 6: Social Impacts of Disasters</b> <ul style="list-style-type: none"><li>• <i>“The Australian Great Flood of 1954: the cost of a similar event in 2010”</i> Roche, K., Macquarie University, Sydney, Australia.</li><li>• <i>“Children in disasters: Lessons from Indonesia and Christchurch”</i> Taylor, H., Massey University, Wellington, NZ.</li><li>• <i>“The role of the long-term post-disaster urban reconstruction policies in housing recovery and vulnerability reduction: a focus on urban tenants”</i> Tafti, M., The University of Melbourne, Australia</li><li>• <i>“Small events, small impacts?”</i> Gaillard, JC, &amp; Wisner B., University of Auckland, NZ &amp; University College London, UK.</li></ul>
4.00 pm	<b>Afternoon Tea</b>
4.20 pm	<b>Conference Panel – “The future of emergency management”</b>
5.00 pm	<b>Conference Close</b>

Please refer to the “*Overview of Papers and Workshops*” document for details of the above.

(Note: The program may be subject to minor change.  
The final program will be released by 4 July 2011.)

## Post-conference Technical Tours

The following technical tours are offered to provide participants with opportunities to experience aspects of disaster management in their host location.

Tours run all day, and include morning tea and lunch.

Thursday 21 July 2011		
9.00 am – 4.00 pm  (Select One)	<b>Topic:</b>  <b>A. Queensland's Disaster Management Arrangements</b>  This tour will explain and showcase Queensland's Disaster Management Arrangements.  The tour will include site visits at the Gold Coast City Disaster Management Centre, and the new state-of-the-art Queensland Emergency Operations Centre and State Disaster Coordination Centre at Kedron, Brisbane.	<b>Tour Leader:</b>  <b>Peter McNamee</b> Executive Coordinator Disaster Management Gold Coast City Council  <b>Mr Bruce Grady</b> Asst Director-General Emergency Management Queensland Department of Community Safety Queensland Government
	<b>B. Disasters and Tourism</b>  This tour will examine how the tourism industry and emergency managers prepare for disaster events.  The tour will include addresses and site visits by the Major Events Planning Unit of Queensland Police Service and will include a visit to one of the Gold Coast's major theme parks .	<b>Mr Bede Wilson</b> Disaster Management Education Officer Gold Coast City Council
	<b>C. Flood Risks and South East Queensland</b>  This tour will examine the level of flood risk facing South East Queensland and the Gold Coast City in particular.  It will include a tour to the top of Q1 (the City's tallest building) for an overview of the City's flood risk, a workshop exploring the concepts of flood risk, and a site visit to SEQ Water, which operates the region's major dams.	<b>Mr Santi Medrana</b> Disaster Management Strategic Officer Gold Coast City Council

Cost: \$150 per tour.

A technical tour will not operate if less than 25 participants register. If this occurs, technical tour fees will be refunded.



## Registration

### Fees

- **Workshop registration fees**  
**(Day One): AUD \$150** (incl GST) **per workshop.**  
Fees include morning tea/afternoon tea during the sessions, and lunch.
- **Main conference registration fee**  
**(Days Two and Three): AUD \$ 400** (incl GST)  
Morning and afternoon teas, lunches, social events, and the Conference Proceedings volume are included as part of the registration fee.
- **Technical tour fee**  
**(Day Four): AUD \$150** (incl GST)

Morning and afternoon teas, lunches, social events, and the conference proceedings volume are included as part of the registration fee.

### Discounts

An early bird discount of 20 per cent is available for early payment received by 30 May 2011. Full-time students are eligible for a 50 per cent discount off all fees. Presenters are eligible for registration discounts.

### How to apply

Applications for registration should be made on the enclosed registration form.

Registration fees are to be made payable by cheque, Visa or Mastercard to Gold Coast City Council. The registration form and payment should be returned together to:

#### Disaster Management Unit

Gold Coast City Council  
PO Box 5042, Gold Coast MC QLD 9729 Australia

#### Disaster Management Unit

195 Queen Street, Southport QLD 4215 Australia

Contact: [AHMC@GoldCoast.qld.gov.au](mailto:AHMC@GoldCoast.qld.gov.au)

Confirmation of registration will be emailed to each participant. The conference is limited to 400 people, so please register as soon as possible to guarantee participation,

### Cancellations

In the event of cancellation before 4 June 2011, the full registration fee will be reimbursed less an administration charge of AUD \$55.00 (incl GST) per registration.

Your registration can be reassigned to another person. Please notify the Conference Organisers [AHMC@GoldCoast.qld.gov.au](mailto:AHMC@GoldCoast.qld.gov.au) of any changes in participant details.

### Travel and accommodation

All participants are required to make their own accommodation bookings and travel arrangements.

### Childcare

As childcare can often prevent parents and care-givers from attending conferences and workshops the organisers are willing to help provide assistance where possible.

Please contact the conference organisers [AHMC@GoldCoast.qld.gov.au](mailto:AHMC@GoldCoast.qld.gov.au) for more information.

# Registration form

Please complete this form, take a copy and forward with payment to:

## Australasian Hazards Management Conference 2011

### Disaster Management Unit

Gold Coast City Council

PO Box 5042, Gold Coast MC QLD 9729 Australia

Fax: (+61) 07 5558 9888

Email: [AHMC@GoldCoast.qld.gov.au](mailto:AHMC@GoldCoast.qld.gov.au)

### Personal Details

Surname:		Title:	
First name: (for name badge)			
Company:			
Address:			
City:		State:	
Postcode:		Country:	
Telephone:		Fax:	
Email:			
Special needs:			

I would like to display a poster  (please tick box) **Poster title:**

### Registration fees

**Note:** Presenters will receive the Presenter Discount. All prices include GST and are in Australian dollars

<b>Conference registration</b>	By 30 May 2011	<b>\$320</b>	
	After 30 May 2011	<b>\$400</b>	
	Fulltime student registration	<b>\$200</b>	
<b>Workshops</b> – topics to be advised	By 30 May 2011	<b>\$120 ea.</b>	
	After 30 May 2011	<b>\$150 ea.</b>	
	Fulltime student registration	<b>\$ 75 ea.</b>	
<b>Technical tour</b>	By 30 May 2011	<b>\$120</b>	
	After 30 May 2011	<b>\$150</b>	
	Fulltime student registration	<b>\$ 75 ea.</b>	
		<b>TOTAL</b>	<b>\$</b>

Payment \$ \_\_\_\_\_  Cheque  Visa  MasterCard

Nb: For credit card payments, you will be sent a form to complete and submit directly for processing.

Payment can also be made by Purchase Order. Please contact the Administration Officer on (+61) 07 5581 1576 for details.

**Please make cheques payable to "Gold Coast City Council". For organisations, please forward purchase orders by fax to (+61) 07 5558 9888**

*Gold Coast City Council is collecting your personal information for the purpose of registration only. The information will only be accessed by authorised Council officers or Council contractors in accordance with the conditions of the Information Privacy Act 2009. Your information will not be given to any other person or agency unless you have given us permission or we are required by law.*

#### Gold Coast City Council use only

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