

# EMA Update

**Emergency Management Australia provides national leadership in the development of measures to reduce risk to communities and manage the consequences of disasters. EMA Update keeps AJEM readers abreast of the courses and activities that assist in this aim.**

## KNOWLEDGE MANAGEMENT & BUSINESS

### Community Awareness Activities

The Knowledge Management & Business division of EMA presented a paper at the Communities at Risk conference in Fiji detailing the community awareness materials developed for Tuvalu and the process used in their development. As a direct result of this presentation and acknowledging EMA's role in assisting the National Disaster Management Office of Tuvalu in developing a community awareness program, EMA – in conjunction with SOPAC – has been invited to undertake a similar project in Niue by their National Disaster Management Office. This project commences in late November.

*For further information contact: Christine Jenkinson  
Phone: +61 03 5421 5241;  
email: christine.jenkinson@ema.gov.au*

### Landslide Awareness

The *Landslide Awareness – A3 fold out colour pamphlet* – developed by EMA in partnership with Geoscience Australia has been revised and features a new look, comprising layout, images and focus of content and information.

*Copies of this pamphlet are now available. For further information contact: Cate Moore Phone: 03 54 21 5296;  
email: cate.moore@ema.gov.au*

### The Australian Emergency Manuals Series

The Disaster Recovery Sub-committee of the Community Services Ministers' Advisory Council (then the Standing Committee of Community Services and Income Security Administrators) and the Australasian Society for Traumatic Stress Studies, with funding under the National Studies Program of EMA, formed a steering committee identifying key areas to be addressed. Participants at a subsequent workshop represented a cross-section of managers and service providers from a range of government and non-government agencies involved in the delivery of psychological services. The following two Australian Emergency Manuals are the result of that workshop:

**Psychological Services in the Disaster Context—Emergency Managers Guide.** Produced as guidelines offering insights, principles and strategies in key facets of assessment and delivery of psychological services. It aims to prevent unnecessary suffering, facilitate recovery, ensure ethical practice and to protect disaster-affected people and support workers in their respective roles. They were developed to supplement the information available in the existing Australian Emergency Manuals Disaster Recovery and Community and Personal Support Guidelines.

**Psychological Services in the Disaster Context—Mental Health Practitioners Guide** offers practitioners insights, principles and strategies in key

facets of assessment and delivery of psychological services.

*For further information contact: Grahame Parker  
Phone: 02 6266 5218; email: grahame.parker@ema.gov.au*

### EMATRACK—Australian Disaster Database

The EMA Australian Disaster Database, EMATrack, was recently relocated onto a new software platform enabling it to be accessed via the EMA website. It is now available. EMATrack contains disaster event information dating from 1622 until the present day.

*For further information contact: Grahame Parker Phone: 02 6266 5218; email: grahame.parker@ema.gov.au*

### EMA Library

Staff of EMA and the Lionel Murphy Library have selected a new Library Management System. The software will hold the EMA library catalogue making it available to staff on the intranet and to remote clients on the Internet. This new library management system will improve our service capabilities and allow for the capture of new formats such as photos and electronic documents. An intensive period of data extraction, conversion, parameter setting and training occurred this quarter. The implementation activities will continue through September 2003.

*For further information contact: Linda Hansen  
Phone: 03 54 21 5224; email: linda.hansen@ema.gov.au*

### Knowledge Networks

Over the past 3 months the EMA website averaged 280,000 hits per month. Approximately 20 per cent of these come from the United States, and 3 per cent each from Europe and Asia/Pacific region. This demonstrates EMA's strong online presence, both locally and overseas.

EMA KM&B hosted a visit from ARK Group Intranet Site Visits in June. KM&B staff presented to the delegates on various aspects of our Knowledge Management Intranet. The visit was very successful and increased the already high standing of EMA's Knowledge Management and networks profile in the larger corporate environment.

The new EMA Conference Centre website went live in July as did the new online EMATrack Disaster Database. The 2-year project to redevelop and transfer EMA's websites from Defence to the Attorney-General's Department is now complete. Online forms, a Bulletin Board and Forum for Education & Training and a new strategic plan for the EMA Intranet, are some of our current development projects.

*For further information contact: John Laurie  
Phone: 03 54 21 5280; email: john.laurie@ema.gov.au*

## PLANNING & OPERATIONS

### **National Registration and Inquiry System**

The National Registration and Inquiry System (NRIS) committee met at Mount Macedon during 14–16 April 2003. The committee consisting of representatives from all States and Territories meets annually to consider development in NRIS and to review activations over the last twelve months.

A milestone was achieved in that Queensland has now formally adopted NRIS resulting in the system being used by all States and Territories. The utility of NRIS was demonstrated during the recent ACT bushfires in January 2003 when several thousand Registration and Inquiries were processed under very difficult conditions. NRIS is now Web based and further developments to make the system more user-friendly and adaptable at the local level should be incorporated in the next twelve-months.

*For further information contact: Don Patterson, Assistant Director Specialist Capabilities, email don.patterson@ema.gov.au*

### **Nuclear Powered Warship Seminar 11–13 June 2003**

A seminar attended by Commonwealth and State agencies responsible for the planning and support to visits by Nuclear Powered Warships was conducted at Mount Macedon during 11–13 June 2003. The seminar, which is held every two years provides

an opportunity to re-examine special plans for visits by Nuclear Powered Warships, and to receive briefings on current radiation protection protocols that are followed when visits occur. Visits are permitted at Brisbane, Melbourne, Hobart, Perth, Gladstone and Darwin.

*For further information contact Don Patterson Assistant Director Specialist Capabilities, email don.patterson@ema.gov.au*

### **National CBR Working Party Meeting 9–11 April 2003**

The National CBR Working Group met at Mount Macedon during 9–11 April 2003. The working party, which includes the Chairman of State CBR committees, and representatives from Commonwealth agencies that have a key role in the event of a deliberate CBR incident, finalised the national coordination document relating to CBR incidents and this has been forwarded for review by State emergency management agencies. The working group also provided further guidance relating to CBR equipment being provided through the CBR Enhancement Program. The working party is scheduled to meet again in October 2003.

*For further information contact: Don Patterson Assistant Director Specialist Capabilities, email don.patterson@ema.gov.au*

## EDUCATION & TRAINING

### **Program of Activities for the Financial Year 2003–2004**

There have been some changes to the POA due to changes in priorities. The Response Management course scheduled for piloting in December 2003 has been postponed until 2004. There are also some other minor changes.

*For up-to-date information please refer to the website, [www.ema.gov.au](http://www.ema.gov.au).*

### **Graduate Certificate in Emergency Management**

The curriculum for the EMA Graduate Certificate in Emergency Management was nationally accredited through the Victorian Qualifications Authority in July this year. The accreditation panel, consisting of industry representatives and a curriculum specialist, commended EMA on this initiative noting the appropriateness of this program for effective practice in emergency management. The program will be delivered over a two-year period with residential blocks at the EMA institute complemented with print and online materials as well as work based projects.

Delivery will commence in 2004 with the first residential component being held in May. Access will be through State and Territory nominating authorities (see EMA web site [www.ema.gov.au](http://www.ema.gov.au))

*For further information contact: margery.webster@ema.gov.au or on 03 54 215 283*

### **Senior Management Professional Development**

The AEMC at its meeting on 3 July 2003 endorsed EMA's initiative to begin development of a Senior EM executive PD program. The initiative is designed to address issues not considered in other forums but essential for EM Executives to successfully manage the situations with which they are confronted in the changing EM environment. Participants will be from the wider EM community, including Emergency Services and other agencies and organisations in the public sector.

The program will address specific aspects of complex and multi-faceted emergency management roles and tasks and foster the development of core competencies that are fundamental to emergency management performance at the highest levels. Content detail will

## EDUCATION & TRAINING CONTINUED

be developed through consultation with the target audience. State-of-the-art learning methods and tools will be used to involve participants in challenging simulated environments.

*For further information contact: Dudley.mcardle@ema.gov.au or on 03 54215 234*

### Competency Based Assessment and Recognition of Prior Learning (RPL)

With the move to competency based assessment of nationally accredited programs, it is now possible to receive formal recognition of competency acquired through past work experience or training. This formal recognition is known as Recognition of Prior Learning (RPL).

To receive an RPL, you must be able to demonstrate that you meet the outcomes of the competency units or accredited programs. In other words, you must be able to present evidence that demonstrates that you meet the performance criteria of the competency. This evidence can take the form of assignment or work-based project reports, third party reports from colleagues or supervisors, or an interview with our assessor.

### Receiving an RPL at EMA

You may apply for an RPL at EMA via two avenues:

1. Those participants who completed the following programs at EMA between July 1, 2000 and December 31 2002:
  - Understanding Emergency Risk Management
  - Implementing Emergency Risk Management
  - Course in Emergency Coordination Centre Management
  - Course in Exercise Management

may be eligible for an RPL for equivalent competency units from the Advanced Diploma of Public Safety (Emergency Management), free of charge. To receive an RPL, participants must still provide evidence and/or undertake workplace assignments to establish competence. Information about course alignment with competency units is available on the EMA website.

### Applying for an RPL via this avenue is available until March 2004.

2. Those that did not complete the above programs at EMA since 1 July, 2000, but believe they are eligible for an RPL due to their previous work experience or training, may apply for an RPL by providing evidence demonstrating their competence of a particular competency unit or accredited program. There is a cost for an RPL assessment in this instance

### Applying for an RPL at EMA

An RPL Application Form, including benchmarks for assessment, is provided on request. Email [assessmentofficer@ema.gov.au](mailto:assessmentofficer@ema.gov.au) to request an application form.

### Formation of AEMC Remote Indigenous Communities Advisory Committee

The needs of Australia's Indigenous communities have received increased recognition by the Emergency Management sector in recent years. Remote Indigenous community needs were identified as a key issue by the Council of Australian Government's (COAG) review of National Disaster Relief and Recovery Arrangements. Prior to this, the Australian National Audit Office (ANAO) in its report on Commonwealth Emergency Management Arrangements (2000) raised this as an important area. At the September 2002 meeting of State and Territory Emergency Services Ministers, it was agreed that efforts to build community capacity within remote Indigenous communities would be enhanced by the adoption of a broader, national approach to emergency risk management. This point received further emphasis at the Emergency Services Ministers' Meeting on 30 May 2003.

With the support of the States and Territories, EMA has facilitated a series of activities and meetings in this important area. A national consultation on the issues facing emergency management in remote Indigenous communities was initiated by EMA in August 2000. Since then the Remote Indigenous Communities Steering Committee was established and a number of activities and projects in this area have identified priorities for research and development and opportunities for collaboration. The Committee recognises there is a need to have a continuing high level of input from end users.

Given the importance of this area the AEMC has formalised the existing Remote Indigenous Communities Steering Committee into the AEMC Remote Indigenous Communities Advisory Committee. The role of the committee is to act as a clearing house/broker for activities relating to remote Indigenous communities in the States and Territories and to provide advice to EMA where appropriate. The Committee will not have a role in operational matters and will focus on capacity building. It will comprise representatives of the emergency management and Indigenous communities sectors in the States and Territories.

*For further information contact Heidi Ellemor, ph 03 5421 5288, email: [heidi.ellemor@ema.gov.au](mailto:heidi.ellemor@ema.gov.au)*

## DEVELOPMENT

### 2003 Australian Disaster Conference

This landmark three-day Conference will run from Wednesday 10 September to Friday 12 September 2003 at the National Convention Centre in Canberra. Last presented in 1999 with the theme *Disaster Prevention for the 21st Century*, the 2003 theme is *Community Safety is Everyone's Business*.

The Conference features a range of presentations, from international speakers from the United Nations, to national leaders such as Defence Chief General Cosgrove, to State leaders including Michael Kinnane, Director General of Queensland Department of Emergency Services, together with a wide variety of local government, community, volunteer, academic and industry advocates.

There will also be pre and mid-conference workshops, 'poster session' segments and over 100 interactive information sessions presented by well respected people in the emergency management community.

EMA thanks the following organisations for their special support of the *Safer Sustainable Communities—2003 Australian Disaster Conference*:

- Geoscience Australia (GA)
- Bureau of Meteorology (BoM)
- Department of Transport and Regional Services (DoTaRS)
- Insurance Australia Group (IAG)

The delegate registration fee is \$350. The concurrent pre-conference workshops are an additional \$25 each and the Conference Dinner is an additional \$99 per delegate. Please note that the dinner venue has changed to the National Convention Centre Ballroom.

Visit the Conference Website: [www.ema.gov.au/disasterconference](http://www.ema.gov.au/disasterconference)

### ALGA—EMA Local Government Emergency Management Capability Development Project

Australian Local Government Association (ALGA) and EMA have partnered in a project to enhance emergency management capability at Local Government level. EMA have provided funding of \$200,000 to ALGA to manage the project. ALGA sought proposals from each State and Territory for projects that develop relationships between EM agencies and Local Government. The funding will also provide for the development of a web based interactive education tool for Local Government staff and Councillors to focus on their emergency management responsibilities.

For further information contact: Paul McAlonan  
Phone 02 6266 5438, email: [paul.mcalonan@ema.gov.au](mailto:paul.mcalonan@ema.gov.au)

### Disaster Loss Assessment Guidelines and Seminars

EMA is conducting educational seminars in the use of the Disaster Loss Assessment Guidelines. The guidelines were developed in conjunction with the Queensland Department of Emergency Services and are now being promoted as a nationally consistent tool.

Two seminars were conducted recently, the first was in Townsville on 12 June and the second in Adelaide on 23 July. Participation at both seminars was excellent with 40 attendees in Townsville and 80 in Adelaide. At both seminars, the respective Minister for Emergency Services, The Honourable Michael Reynolds of Queensland and The Honourable Patrick Conlon of South Australia opened the proceedings and provided their support to the process of determining economic loss during disaster, either potential or actual. There was a large cross section of organisations represented at both seminars including emergency management agencies, State and Local Government, insurance industry and academics.

The key presenter at both seminars was Professor John Handmer, Director of the Centre for Risk Community Management at RMIT. Professor Handmer developed the methodology detailed in the EMA "Disaster Loss Assessment Guidelines". EMA will be seeking interest from other States and Territories to host Disaster Loss Assessment Seminars to introduce their key personnel to the methodology.

For further information contact: Paul McAlonan  
Phone 02 6266 5438, email: [paul.mcalonan@ema.gov.au](mailto:paul.mcalonan@ema.gov.au)

### Australian Emergency Management Volunteer Forum (AEMVF)

The AEMVF met in Sydney on 9 July and worked through a very large agenda that included items such as the cost of personal protective clothing and equipment, insurance issues, enhancing the AEMVF website, reporting AEMVF business to government, research into the cost of being a volunteer, the AEMVF paper for the Disaster Conference, and the new legislation to protect volunteers from dismissal. A summary of the Minutes will be available on the EMA website in August.

A sub-committee was created to scope a research project to examine the direct and indirect costs of volunteering to individuals within the emergency management sector.

The Australian Emergency Management Committee (AEMC) meeting held in Adelaide on 3 July 2003, agreed that the Chair of the AEMVF (Hori Howard) should provide a report on AEMVF developments

## DEVELOPMENT CONTINUED

at future AEMC meetings. This is a very significant step because it enables volunteer issues to be brought directly to the attention of senior government representatives.

*For further information contact David Winterburn  
Phone: 02 6266 5009  
Email: david.winterburn@ema.gov.au*

### **Emergency Management Projects Program 2003/2004**

The EMA Projects Program aims to foster projects that help improve Australia's capabilities for preventing or dealing with natural or technological hazards and disasters. From the 115 applications received for financial year 2003–04, the Program will provide funding for 10 projects from a range of locations across the nation. The projects are outlined on the EMA website.

The projects encompass a wide range of topics including school education and research projects. One of the projects this year is the construction of a website that will have listings of current and previous cyclone surveys from Australia and around the world. Jordahna Haig from The Centre for Disaster Studies at James Cook University manages this project.

Products of the 2002–2003 EMA Projects Program are currently being disseminated to the executive officers

of state emergency management committees (or their equivalents) in each State and Territory, and are also available from the EMA Library at Mt Macedon.

*For further information contact Rheannon Nicholson  
Phone: 02 6266 5497  
Email: rheannon.nicholson@ema.gov.au  
Or visit the website: www.ema.gov.au*

### **2003 Safer Communities Awards**

With the closing date for entries of 8 August, organisers are arranging for judging panels to meet and select State and Territory winners. These 'first round' winners will be announced in September. All will be eligible for national awards. The national winners will be announced at a ceremony at Parliament House, Canberra, on 6 November.

The Awards recognise best practice and innovation that help to build safer communities. They cover organisations and individuals working in risk assessment, research, education and training, information and knowledge management, prevention, preparedness, response, and recovery.

*For more information contact David Townsend  
Phone: 02 6266 5223  
Email: david.townsend@ema.gov.au  
Or visit the website: www.ema.gov.au*

# CONFERENCE DIARY

## INTERNATIONAL

2003

### SEPTEMBER

**Date:** 6–13 September, 2003

**Location:** Warsaw, Poland

**Title:** Ecoflood Conference: Toward Natural Flood Protection Strategies.

**Details:** A key objective of this conference is to bring together specialists from various disciplines who work with flooding to gain a comprehensive understanding of the key issues surrounding floods, including the effectiveness of using wetlands for flood mitigation, the costs and benefits involved and, interdisciplinary recommendations for natural flood defences.

**Enquiries:** Conference information is available from ECOFLOOD, Department of Nature Protection in Rural Areas, Institute for Land Reclamation and Grassland Farming (IMUZ), Falenty, 05-090, Raszyn, Poland; tel: +48.22.7200531; email: [ecoflood@levis.sggw.waw.pl](mailto:ecoflood@levis.sggw.waw.pl); website: <http://www.imuz.edu.pl/imuz.htm>

**Sponsor:** Institute for Land Reclamation and Grasslands Farming (ILRGF).

**Date:** 7–10 September, 2003

**Location:** Minneapolis, Minnesota

**Title:** Dam Safety 2003—North America.

**Enquiries:** ASDSO, 450 Old Vine Street, 2nd Floor, Lexington, KY 40507; (859) 257-5140; fax: (859) 323-1958; email: [info@damsafety.org](mailto:info@damsafety.org); website: [www.damsafety.org/conferences.cfm?content=annual](http://www.damsafety.org/conferences.cfm?content=annual)

**Sponsor:** Association of State Dam Safety Officials (ASDSO).

**Date:** 8–20 September, 2003

**Location:** Rapid City, South Dakota

**Title:** Sixth Annual Conference: Innovations in Disaster Psychology—Time for a New Paradigm?

**Details:** Sessions include general disaster psychology, research, disaster psychology for children, and international disaster psychology. The conference format includes small group discussions and plenary sessions summarising small group activity.

**Enquiries:** Complete information is available at DMHI, University of South Dakota – SDU 114, 414 East Clark Street, Vermillion SD 57069-2390; tel: (800) 522-9684; website: <http://www.usd.edu/dmhi/conf03/>

**Sponsor:** Disaster Mental Health Institute (DMHI).

**Date:** 10–12 September, 2003

**Location:** Vail, Colorado

**Title:** 46th Annual Meeting: Engineering with an Attitude.

**Details:** Of special interest to Hazard Center folks are programs on seismic hazards, landslide and debris flow hazards, environmental hazards and remediation, risk assessment and geology, slope stability and more.

**Enquiries:** Contact Julie Keaton, AEG, PO Box 460518, Denver, CO 80246; tel: (303) 757-2926; email: [aegjuliek@aol.com](mailto:aegjuliek@aol.com); website: <http://www.aegweb.org>

**Sponsor:** Association of Engineering Geologists (AEG).

**Date:** 10–12 September, 2003

**Location:** Davos, Switzerland

**Title:** Third International Conference on Debris-Flow Hazards Mitigation, Mechanics, Prediction and Assessment—Europe.

**Enquiries:** Dieter Rickenmann, Swiss Federal Research Institute WSL, Z=Fcrcherstrasse 111, CH-8903 Birmensdorf, Switzerland; tel: +41 17 39 24 42; fax: +41 17 39 24 88; email: [rickenmann@wsl.ch](mailto:rickenmann@wsl.ch). For general conference information: email: [DFC3\\_Inf@wsl.ch](mailto:DFC3_Inf@wsl.ch)

**Date:** 16–19 September, 2003

**Location:** Beijing, China

**Title:** Third International Conference on Continental Earthquakes (ICCE)—Asia

**Detail:** The Conference is postponed until after the Saporro 2003 IUGG Assembly, June 30–July 11, 2003 (see <http://www.jamstec.go.jp/jamstec-e/iugg/>) to make it more convenient for participants from outside eastern Asia.

**Enquiries:** Wang Ahiqiu, Organizing Secretary, III ICCE, China Seismological Bureau (CSB), No. 63, Fuxing Avenue, 100036, Beijing, China; tel: 86-10-8801-5514; fax: 86-10-6821-0995; email: [icce@peoplemail.com.cn](mailto:icce@peoplemail.com.cn)

**Date:** 16–18 September, 2003  
**Location:** Karlsruhe University, Germany  
**Title:** International Workshop on Wind Effect on Trees—Europe  
**Detail:** The workshop will provide a forum for physicists, foresters, engineers, physiologists and ecologists to examine new developments in the field of wind storm damage.  
**Enquiries:** Mrs. Dipling C. Frank, Institut für Hydromechanik, Universität Karlsruhe, Kaiserstr. 12, 76128 Karlsruhe, Germany; email: wind2003@uka.de  
**Sponsor:** Institut für Hydromechanik.

**Date:** 22–24 September, 2003  
**Location:** Ancona, Italy  
**Title:** ERES Fourth International Conference on Earthquake Resistant Engineering Structure—Europe.  
**Enquiries:** Conference Secretariat, ERES 2003, Wessex Institute of Technology, Ashurst Lodge, Ashurst Southampton, SO40 7AA, U.K.; tel: 44(0) 238 029 3223; fax: 44(0) 238 029 2853; email: gcosutta@wessex.ac.uk

**Date:** 27 September, 2003  
**Location:** London, Ontario  
**Title:** Dealing with Disaster—North America.  
**Details:** Emphasis will be placed on the understanding of the interaction between social and environmental factors.  
**Enquiries:** tel: 0011/0018 519 661 3234; email: ssdoyle@uwco.ca

**OCTOBER**

**Date:** 14–16 October, 2003  
**Location:** Moscow, Russia  
**Title:** First World Forum on Children in Complex Emergencies.  
**Details:** The forum will discuss and adopt a model for national and regional plans to assist children in emergencies through 2010 as requested by the 27th United Nations Special Session Resolution, "A World Fit for Children."  
**Enquiries:** Contact: World Forum Organizing Committee, Children's Hospital #20B, Polyanka Str. 20, Moscow, Russia 119180; email: roshal@lampport.ru; website: <http://www.childrendisasters.org>  
**Host:** Union of Pediatricians of Russia and International Charitable Fund for Children in Disasters and Wars, with the support of the Government of Russia and other organisations.

**Date:** October 17–2 November, 2003  
**Location:** Mexico City, Mexico  
**Title:** International Association of Geomorphologists (IAG) Regional Conference.  
**Details:** The conference is designed for geomorphologists and professionals from associated disciplines interested in geomorphic hazards and environmental topics related to disasters. The goal is to foster an exchange of techniques, experience, knowledge, and ideas about geomorphic hazards.  
**Enquiries:** Contact Irasema Alcántara-Ayala, Institute of Geography, UNAM, Circuito Exterior, Ciudad Universitaria Coyoacán, 04510, Mexico, D.F; tel: (+525) 56 22 43 39 ext. 45 466; email: IAGMEXICO2003@igiris.igeograf.unam.mx; website: [http://www.smg.igeograf.unam.mx/smg/soc\\_geom.html](http://www.smg.igeograf.unam.mx/smg/soc_geom.html).  
**Sponsor:** IAG and Mexican Society of Geomorphology.

**Date:** 20–22 October, 2003  
**Location:** Albuquerque, New Mexico  
**Title:** New Mexico Environmental Health Conference.  
**Details:** This year's regional conference includes an issue track on emergency and disaster management, along with tracks on environmental health innovations, community health protection, and special areas of environmental interest.  
**Enquiries:** More details are available from Tom Duker, tel: (510) 314-0324; email: tducker@mercury.bernco.gov; website: <http://www.nmehc.org/>  
**Sponsor:** New Mexico Environmental Health Association (NMEHA).

**Date:** 25–30 October, 2003  
**Location:** North Charleston, South Carolina  
**Title:** Terrain Data: Applications and Visualization—Making the Connection  
**Details:** This conference will focus on the evolving technology, applications, and standards that have been developing over the past two years. There will be sessions on homeland security, disaster response technology, research and development, and more.  
**Enquiries:** More information is available from Terrain Data Conference 2003, ASPRS, 5410 Grosvenor Lane, Suite 2003, Bethesda, MD 20814-2160; email: kimt@asprs.org; website: [http://www.asprs.org/terrain\\_data2003/index.ht](http://www.asprs.org/terrain_data2003/index.ht)  
**Sponsors:** Imaging and Geospatial Information Society (ASPRS), National Aeronautics and Space Administration, National Imagery and Mapping Agency, National

**INTERNATIONAL** *continued*

Oceanic and Atmospheric Administration, and U.S. Geological Survey.

**Date:** 29 October 2003  
**Location:** Columbus, Ohio  
**Title:** Contingency Planners of Ohio 2002 Annual Business Survival and Recovery Seminar—North America  
**Details:** The meeting will be preceded by an informal networking session and vendor exhibit on October 28 and followed by a Disaster Recovery Planning Review.  
**Enquiries:** Joni McLean, President, Contingency Planners of Ohio; email: cpohio@geocities.com; tel: (614) 249-0397. For information about the disaster recovery course, contact: Disaster Recovery Institute international. website: www.dr.org; tel: (703) 538-1792.

**NOVEMBER**

**Date:** November 1–4 2003  
**Location:** Florida, North America  
**Title:** Annual Meeting of the International Association of Emergency Managers (IAEM)  
**Enquiries:** IAEM, 111 Park Place, Falls Church, VA 22046; (703) 538-1795; fax: (703) 241-5603; email: info@iaem.com

**Date:** November 4–7 2003  
**Location:** Washington DC North America  
**Title:** Sixth annual conference of the Global Disaster Information Network.  
**Details:** The theme of the conference is: 'Delivering the goods: GDIN's contribution to disaster mitigation, prediction, response and recovery.'

**Date:** 11–13 November, 2003  
**Location:** Washington D.C.  
**Title:** Contingency Planning and Management Conference East.  
**Details:** This conference is geared toward those who work with developing, maintaining, and implementing business continuity plans. Educational sessions, disaster simulation exercises, and networking opportunities are included.  
**Enquiries:** Complete details are available from CPM, 84 Park Avenue, Flemington, NJ 08822; tel: (908) 788-0343; website: http://www.contingencyplanningexpo  
**Sponsor:** Contingency Planning and Management (CPM).

**Date:** 13–14 November, 2003  
**Location:** Tokyo, Japan  
**Title:** First International Conference on Structural Health Monitoring and Intelligent Infrastructure (SHMII-1).  
**Details:** The conference will address progress in the development of building, transportation, marine, underground, energy generating, and other civilian infrastructures that are periodically, continuously or actively monitored.  
**Enquiries:** Conference information is available from the SHMII-1 2003 Secretariat, c/o the Department of Urban and Civil Engineering, Faculty of Engineering, Ibaraki University, Nakanarusawa-cho, 4-12-1, Hitachi, Ibaraki 316-8511, Japan; tel: +81-294-38-5172; email: shmii-1@mx.ibaraki.ac.jp; http://www.civil.ibaraki.ac.jp/shmii/  
**Sponsor:** Ibaraki University.

**Date:** 16–20 November, 2003  
**Location:** Orlando, Florida  
**Title:** The 2nd International Wildland Fire Ecology and Fire Management Congress held jointly with the 5th Symposium on Fire and Forest Meteorology.  
**Details:** This conference includes sessions on fire ecology, wildfire management and suppression, fire technology, social aspects of fire, remote sensing and fire, and more.  
**Enquiries:** Detailed information is available from AMS, 45 Beacon Street, Boston, MA 02108-3693; tel: 617-227-2426; email: amsmtgs@ametsoc.org; website: http://www.ametsoc.org/AMS/meet/FAINST/5fire2fireeco.html  
**Sponsors:** American Meteorological Society (AMS), Association for Fire Ecology, International Association of Wildland Fire, Society of American Foresters, Nature Conservancy.

**Date:** 19-22 November, 2003  
**Location:** Leon-Guanajuato, Mexico  
**Title:** 14th Mexican National Conference on Earthquake Engineering.  
**Details:** The theme for the congress is "Challenges for earthquake engineering in the twenty-first century." The conference is directed toward professors, researchers, students, practitioners, building officials, institutions from the private and public sectors, and all others working with topics directly related to earthquake engineering research, teaching, design and construction.  
**Enquiries:** Complete information is available from Angelica Mendoza-Reyes, Camino Sta. Teresa No 187, Local 9, Col. Parques del Pedregal, Delegacion Tlalpan, 14 020

Mexico; tel: (52-55) 5606-1314;  
email: smis@mx.inter.net; website:  
http://www.smis.org.mx

**Sponsors:** Mexican Society for Earthquake Engineering (SMIS), College of Civil Engineers of Leon, and the Society of Structural Engineers of Guanajuato.

## 2004

### FEBRUARY

**Date:** 4–8 February, 2004

**Location:** Los Angeles, California

**Title:** EERI Annual Meeting 2004.

**Details:** Information is available from EERI 499, 14th Street, Suite 320, Oakland, CA 94612-1934; tel: (510) 451-5411; email: eeri@eeri.org; website: http://www.eeri.org

**Sponsor:** Earthquake Engineering Research Institute.

**Date:** 6–19 February, 2004

**Location:** Cairo, Egypt

**Title:** Seventh International Conference on the Geology of the Arab World

**Details:** This conference will address new research contributions from the earth sciences and their environmental, industrial, and development applications in the Arab world. There will be a session on environmental hazards.

**Enquiries:** Conference information is available from the General Secretary, Geology Department, Cairo University, Giza, Arab Republic of Egypt; tel: 002 02 567-6858; email: gaw7@hotmail.com or melsharkawi@hotmail.com; website: http://gaw7.netfirms.com/

**Sponsor:** Geology Department of Cairo University.

**Date:** 16–20 February, 2004

**Location:** Philadelphia, Pennsylvania

**Title:** EC04 Conference

**Details:** Relevant sessions include slope stabilization, community and government partnering, and natural disaster recovery.

**Enquiries:** For conference information, or information about abstract submission, contact IECA, P.O. Box 774904, Steamboat Springs, CO 80477; tel: (970) 879-3010; email: einfo@ieca.org; website: http://www.ieca.org

**Sponsor:** International Erosion Control Association (IECA).

### APRIL

**Date:** April 13–17, 2004

**Location:** New York, New York, North America

**Title:** Fifth International conference on Case Histories on Geotechnical Engineering

**Details:** This meeting will provide a forum for geotechnical professionals from around the world to present their research findings.

**Contact:** www.umn.edu/~eqconf/5thCHConf/

**Sponsor:** University of Missouri-Rolla Civil Engineering Department.

### AUGUST

**Date:** August 1–6, 2004

**Location:** Vancouver, British Columbia, Canada

**Title:** 13th World Conference on Earthquake Engineering (13WCEE)—North America

**Details:** This meeting will provide a forum for geotechnical professionals from around the world to present their research findings.

**Contact:** 13th WCEE Secretariat, c/o Venue West Conference Services Ltd., #645-375 Water Street, Vancouver, British Columbia V6B 5C6, Canada; tel: (604) 681-5226; fax: (604) 681-2503; email: congress@venuewest.com

**Sponsor:** Canadian Association for Earthquake Engineering.

**Date:** August 15–22, 2004

**Location:** Florence, Italy

**Title:** 32nd International Geological Congress (IGC).

**Details:** This meeting will provide a forum for geotechnical professionals from around the world to present their research findings.

**Contact:** Chiara Manetti, Università degli Studi di Firenze, Dipartimento di Scienze della Terra, Via La Pira, 4 50121 Firenze, Italy; tel/fax: +39 055 2382146; email: cmanetti@geo.unifi.it; Note: The 32nd IGC includes a Topical Symposium on "Natural Hazards and Mitigation of Geological Risks"; for more information, contact Tina Nunziata, email: conunzia@unina.it, or Attia El-Sayed, email: elsayedat@mans.edu.eg. There will also be a session on "Geological Data and Seismic Hazard Maps"; for details, see website: http://www.bghrc.com/Geolhaz/Syposium/info.htm, or contact Ioannis Papanikolaou, email: i.papanikolaou@ucl.ac.uk

## AUSTRALIA

### ACT

#### SEPTEMBER

**Date:** 10–12 September 2003  
**Location:** Canberra, Australia  
**Title:** Safer Sustainable Communities – 2003 Australian Disaster Conference – Australasia.  
**Details:** This year's theme is Community Safety is Everyone's Business.  
**Enquiries:** Conference Secretariat, Einstein & Edison, PO Box 42, Yarralumla ACT 2600; email: enquiry@einsteinandedison.com.au  
**Sponsor:** Emergency Management Australia.

### NSW

#### SEPTEMBER

**Date:** 4–6 September, 2003  
**Location:** Sydney, Australia  
**Title:** 4th International Conference for Emergency Nurses.  
**Details:** The College of Emergency Nurses Australasia or CENA (formerly the ENA), have merged to become a national body and are hosting the 4th International Conference for Emergency Nurses on the 4–6th September 2003 at the Crown Plaza Hotel, Coogee Beach, Sydney, Australia.  
**Enquiries:** See our website for further details: [www.ena-inc.aust.com](http://www.ena-inc.aust.com)

## TAS

### SEPTEMBER

**Date:** 19–20 September, 2003  
**Location:** Hobart, Tasmania, Australia  
**Title:** National Pre-Hospital Conference (ACAP2003)  
Fresh Perspectives; Expanding Horizons.  
**Description:** Sub-themes for the conference include: Technology in the Pre-Hospital environment; Expansion of the role of the paramedic; Health care in the rural environment: What is our role? and Where does paramedic education go from here?  
The Australian College of Ambulance Professionals (ACAP) Tasmanian Branch invites submissions. There are two categories of papers—major presentations (up to 30 minutes) or free papers (up to 15 minutes). The due date for major presentations is April 30th, 2003 and for free papers is May 30th, 2003. Papers that do not tie in with the theme of the conference will also be considered on their merits. Please feel free to submit more than one paper.  
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