

The International Emergency Management Society

Members Newsletter – Issue 2 / February 2005



TIEMS 2005

12th Annual Conference
24th – 27th May 2005

Faroe Islands

Hotel Feroyar



Green Gate Incoming

Featuring

- **TIEMS 2005**
12th Annual Conference
- **Membership Reorganisation**
Committee Proposals
- **TIEMS Chapters**
Progress so far
- **Improving Communications**
MILSATCOM
- **Conferences & Events**

The Asian Tsunami

Why we were not prepared – a failure of communication?

Message from the President

It is with great sadness that we began 2005 witnessing the devastation caused by the tsunami in south East Asia, and as we go to print the death toll in the dozen countries affected has reached 142,000, with that number again missing.

A huge humanitarian aid effort, thought to be the largest ever undertaken globally is now underway, however there are still many thousands without basic resources including food, water, sanitation, shelter and medical supplies, and I call on you all to provide support in any way you can.

This tragedy clearly illustrates however the importance of the work we all do and must drive us in continuing our pursuit of bringing the benefits of modern emergency management to society for a safer world in 2005.

TIEMS has an exciting year ahead, with our 12th annual conference in May already promising many exciting speakers from over twenty different countries, and several interactive panel sessions. We have also planned further local workshops following the success of these events in 2004 and urge you all to participate and share your knowledge and experiences with others from around the world.

We hope that you will continue to support us in 2005, and like to wish you all a safe and prosperous new year.



President's
Message

K Harald Drager

Editors Welcome

We are proud of the work we do within The International Emergency Management Society for our members and other Emergency Management professionals from around the world. However we do not wish to rest on our success and are continually seeking ways to further improve our services to members, with initiatives like this Newsletter.

You may have noticed that we have this quarter made changes to the design and layout of our newsletter and hope this further improves your reading experience.

We are keen to hear your comments about anything you have read in this issue or any ideas or suggestions of how we can better improve member's benefits, and future issues of this newsletter.

I look forward to hearing from you.

Claudio.Balducelli@tiems.org



Editor's
Welcome

Claudio Balducelli

TIEMS 12th Annual Conference

24th – 27th May 2005

We are fast approaching the TIEMS 2005 annual conference and as preparations for the event are being finalised, we are pleased to confirm that the conference is to be held at the Hotel Føroyar, just a short distance from the city of Tórshavn in the Faroe Islands.

A preliminary program of the conference has already been published on the TIEMS Web site (www.tiems.org) together with information on travel, registration, and local sights.



There are so far more than 60 papers registered, and three workshops being presented by expert practitioners and academics from over twenty different countries. Additionally this year we would like to highlight the inclusion of two panel sessions, the first looking at Tsunamis Worldwide and which asks the questions "are we prepared?" with guest speaker Linda Anderson-Berry of the Australian Bureau of Meteorology.

Our second panel session moderated by Norm Free (TIEMS Vice President) will focus on Emergency Management and the Media and asks the question "Relevant and necessary media coverage or over focusing?"

We would like to take this opportunity to remind members that the final date for submission of their papers is Monday 14th February 2005 (fullpapers@tiems.org), and encourage you all to participate in this event, which like those in the past have been a great success.

As an added benefit to current members who have paid fees for 2004 we are also pleased to announce that they will receive a saving of 10% on this years fee and in addition is inclusive of one years membership for 2005. In addition if you register and pay before 1st April 2005 you will save an additional 10%



If you have any further queries or questions in relation to the conference or are interested in participating or sponsorship opportunities please do not hesitate to contact us. (Alan.Jones@tiems.org)

Further details of the event are available from our website: www.tiems.org

Monday May 23 rd 2005	Tuesday May 24 th 2005	Wednesday May 25 th 2005	Thursday May 26 th 2005	Friday May 27 th 2005
07.00 – 12.00 TIEMS Annual Golf Tournament	10.00 – 11.00 Opening Session "Opening Introduction" TIEMS Conference Host Rögnvi Johansen The Faroe Islands	08.30 – 10.30 Plenary Session P2 "Seven Attributes of a Successful Emergency Management System" George Washington University USA "Coordination of multi-agency teams in large scale events- An Australian Perspective" Len Foster Chair of the Australian Fire Authority Council Australia "Crisis Management in Britain" Alun Evans The Office of the Deputy Prime Minister UK	08.30 – 10.30 Plenary Session P3 "Humanitarian Aspects of Emergency Management" Dusan Zupka Head Europe and Central Asia Desk UN OCHA Switzerland "The Challenges of Disaster Management in Africa Insight from TIEMS' Annual Virtual Conferences on Disaster Management in Africa" Charles Kelly TIEMS Regional Councilor for Africa, USA "Keynote Speech" Kwon Wook Administrator of Korean NEMA Korea	08.30 – 10.30 Plenary Session P4 "Using Available Communications - from Early Warning to Relief" Hans Zimmermann Former Senior UN Humanitarian Affairs Officer, France "Information Fusion as Basis for a Modern Decision Support" Martin Endig Fraunhofer Institute Germany "Keynote Speech" Ross Newkirk University of Waterloo Canada
	"Welcome to the Faroe Islands" Prime Minister Jóannes Eidesgaard The Faroe Islands "Risks in the Faroe Islands" Minister of Fishery and Maritime Affairs Bjørn Kalsø "The History and Welcome to Tórshavn" Mayor of Tórshavn Hedin Mortensen	10.30 – 11.00 Coffee 11.00 – 12.30 Panel Session "Potential of Tsunamis Worldwide" Linda Anderson-Berry Bureau of Meteorology Australia "Are we prepared" Moderator Charles Kelly USA	10.30 – 11.00 Coffee 11.00 – 12.30 Parallel Sessions Session A6 Electricity & Power Failure Session B6 Emergency & Risk Management Session C6 Accident & Incident Analysis	10.30 – 11.00 Coffee 11.00 – 12.30 Panel Session "Emergency Management & Media" Moderator Norm Free, Australia 1230 – 1300 "TIEMS 2005 Conference Closing" Heralvur Joensen Ministry of Fisheries and Maritime Affairs, The Faroe Islands
	11.00 – 11.30 Coffee 11.30 – 12.30 Plenary Session P1 "TIEMS Globalisation" TIEMS President K. Harald Drager, Norway Reports from TIEMS Chapters Korea, Russia, Australia & Pacific, Germany, South East Europe, Central & East Europe and plans for The Netherlands	12.30 – 14.00 Lunch 14.00 – 15.30 Parallel Sessions Session A4 Social Science in Terrorism Session B4 Mass Evacuation Session C4 Training & Simulation	12.30 – 14.00 Lunch 14.00 – 15.30 Parallel Sessions Session A7 Offshore Catastrophe Session B7 Mobile & Remote Learning Session C7 Workshop 3 Hazard Assessment Snapshots	13.00 – 14.00 Lunch 14.00 – 16.00 TIEMS International Council Meeting
	15.30 – 16.00 Coffee 16.00 – 17.30 Parallel Sessions Session A1 Transport Emergency Overview Session B1 Business Continuity Session C1 Information & Decision Support	15.30 – 16.00 Coffee 16.00 – 17.30 Parallel Sessions Session A5 Aviation Accidents Session B5 Natural Hazards Session C5 Workshop 2 TIEMS Special Interest Groups (SIG) & Newsletter	15.30 – 16.00 Coffee 16.00 – 17.30 Tour on the Faroe Islands A sightseeing tour around the Faroe Islands and surrounding sea.	
	19.00 – 23.00 TIEMS Reception	17.30 – 20.00 TIEMS Annual Meeting 2005	20.00 – 23.00 TIEMS Conference Dinner	
20.00 – 22.00 TIC Dinner				

TIEMS 2005

Session Paper Titles

Authors	Title	Country
Smith, Susan Peoples, Linda	<i>An Assessment of Evacuation and Shelter Preparedness in the United States for Hurricanes</i>	USA
Kim, Taeha Jai Lee, Young	<i>An Economic Framework of Evaluating Information Technology Investment Alternatives in Emergency Management</i>	Korea
Claudio Balducelli, Sandro Bologna, Antonio Di Pietro, Giordano Vicoli	<i>Analysing Interdependencies Of Critical Infrastructures - Using Agent Discrete Event Simulation</i>	Italy
Draughon, Ann Smith, Susan	<i>Biological and Chemical Threats to the Food Supply: Potential bio-terrorism threats to the American Meat and Poultry Production and Distribution Industry in the United States</i>	USA
Kaye, David	<i>Business Continuity Management</i>	UK
Lee Young Jai Lee, SungJoong	<i>Case Study: Quantitative BIA for Business Continuity</i>	Korea
Martínez Torre-Enciso Isabel	<i>Cat Options" As A Financial Tool For Catastrophic Risk</i>	Spain
Fernández-Ardavín Ana Martínez Torre-Enciso, Isabel	<i>Catastrophes As A Determinant Of International Migration And Remittances</i>	Spain
Lesnykh, V.V Timofeeva, T.B	<i>Cat-Bonds As Instrument For Emergency Risk Financing</i>	Russia
Anderson-Berry, Linda	<i>Communicating The Bushfire Risk And 'Successfully' Warning 'At-Risk' Australian Rural/Urban Interface Communities.</i>	Australia
Dilling, Janet Heffron, Audrey Connolly Claire Blanchard Carrie	<i>Computer Supported Virtual Organizations: Building a New Type of Public-Private Partnership to Meet the Need of Disaster Victims</i>	USA
McDaniel Robert	<i>Corrective-Action as a Corollary to the After-Action Reporting Process</i>	USA
Reid Norman G.	<i>Criminal Disasters - Conducting Successful Research Inside Secured Areas</i>	USA
Mostert, Paula Milis, Koen Van de Walle, Bartel	<i>Crisis Management in Belgium and Dutch Companies: a Survey on Experiences, Expectations and activities.</i>	Netherlands
Goudie, Douglas	<i>Cyclone Surge And Mass Evacuation Route Issues In Cairns, Australia</i>	Australia

Zografos, Konstantinos Androutsopoulos, Konstantinos	<i>Developing An Integrated Tunnel Safety Management System: A European Perspective</i>	Greece
Al-Momani, Naill M	<i>Earthquake Disaster Management</i>	Jordan / USA
Sanker M S SriGowri	<i>Effect of M 9.0 26/12 on Sri Lanka: Impact Evaluation of Sri Lanka's Tsunami Disaster and Critical Review of the needed Countermeasures</i>	Japan
Petty, Gregory C Smith, Susan M	<i>Efficacy of Computer-Based Safety and Health Training for Performance Transfer to the Job</i>	USA
Heffron, Audrey Halley, Nicholas Dilling, Dilling	<i>Global Differences in Terrorism Definitions</i>	USA
Kelly Charles	<i>Hazard Assessment Snapshots</i>	USA
Draughon, Ann Smith, Susan	<i>Intentional and Unintentional Contamination of the Vegetable and Fruit Production and Distribution System in the United States</i>	USA
Free, Norm	<i>Local Fire Safety Planning Groups –Local Solutions Meeting Local Needs</i>	Australia
Falato, Colin P Smith, Susan	Local Government Involvement In Community Disaster Preparedness	USA
Roed-Larsen, Sverre Stoop, John	Major Accidents - Dealing With The Consequences	Norway
Hekimian Christopher	Micro-Encapsulation in Mitigation of Explosive Threat to High-Rise Buildings	USA
Bertsch, Valentin Geldermann, Jutta Rentz, Otto	Multi-Criteria Decision Support And Moderation Techniques For Off-Site Emergency Management	Germany
Drottz-Sjöberg Britt-Marie	Perceptions Of Long Time Intervals	Norway
Polishchuk, Yury Migounov, Victor Kochergin, Gleb Trapeznikov, Alexander	Radiochemical Contamination Analysis Of Ob-Irtysh River Basin Based On Geoinformation Approach	Russia
Carniello, Mark	Regional On-Line Spatial Information Emergency Management System	Australia
Rosmuller N. Van Gelder	Risk perception of fire fighters	Netherlands
Sanker M S SriGowri	Role of Effective and Integrated Risk Communication in the Concept of Total Disaster Risk Management	Japan
Andersen, Verner	Safety In Road Tunnels	Denmark

Liedtke, Bernhard	The Role of Postgraduate Education in Disaster Management	Australia
Ostojic, Boja	Training activities Importance in the system of Disaster Management	Croatia
Jenkins, Steve	Transportation and the Great Barrier Reef: An emergency management perspective	Australia
King, David	Vulnerability Of Remote Area Infrastructure And Lifelines To Tropical Cyclone And Flood Hazards	Australia
Bilbao García Javier Martínez Torre-Enciso, Isabel	What Is Changing For Crisis Managers Profession?	Spain

Newsletter Workshop - TIEMS 2005

As is shown in the preliminary program, in addition to many very interesting Key Note speeches and paper sessions, there are also this year three workshops. One of which will be dedicated this year to present the activity of the TIEMS Newsletter, provide news about membership and to exchange opinions between members about the possible ways to further improve co-ordination between the respective activities.

TIEMS proposals for the establishment of 'Special Interest Groups' (SIGS), and more efficient communication between TIEMS members with similar Emergency Management interests, will also be outlined in this workshop, and we hope will facilitate discussion in relation to the many Emergency Management problems including those highlighted by the recent Indian Tsunami.

We would like to invite all of you that may be interested in developing a SIG or have ideas for the newsletter to make these known with a short presentation and submit them before the end of March to Claudio Balducelli (Claudio.Balducelli@tiems.org)



Tsunami: Why We Were Not Prepared?

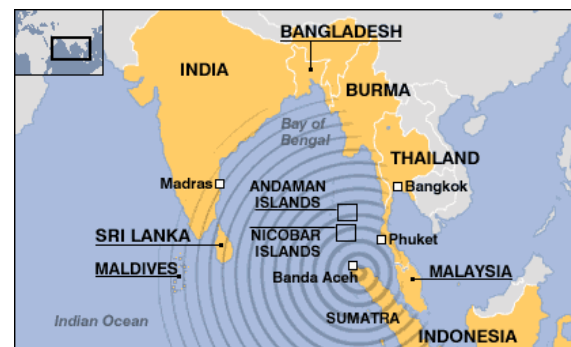
Claudio Balducelli

We live in a global world where communication technologies are extremely efficient and have been demonstrated many times recently during the Afghanistan and Iraq war. During these wars and despite the majority of communication infrastructures being damaged we've had the opportunity to witness in real time what is happening; and all remember the huge explosions that appeared during many of the TV on-line interviews.

A great 'communication' capacity is nowadays almost always available, in every place we are, with for instance the majority of people being accessible through their personal cellular phones. Text messages can be sent and received without problem to all the cellular phones located in a certain geographical area, and, almost certainly, many cellular phones were available on the islands of Indonesia, Sri Lanka and the Maldives's on the morning of the 26th December 2004, when the tsunami struck.

A simple text message, indicating the 'possibility' of a Tsunami, might alert and save thousands of people; in fact in this case many lives could be saved without evacuation but simply by moving to a safer position just a few hundred meters away on higher ground.

In an article that appeared in the 'Indian Express' on the 30th December 2004 it was reported the following sequence of events relating to the Tsunami:



"At 7.30am, we were informed by our Chennai unit that coordinates the logistics for the Car Nicobar base about a massive earthquake near Andamans and Nicobar," Air Chief S Krishnaswamy told The Indian Express today.

But communication links went down in the Island Territories, the Chennai unit could only raise Car Nicobar base on the high frequency set at 7.50am ... the last message from Car Nicobar base was that the island is sinking and there is water all over.

At 8.15am, the Air Chief said, he asked his Assistant Chief of Air Staff (Operations) to alert the Defence Ministry.

Unaware of its fax goof-up, the IMD, as per routine, sent another fax to the Disaster Control Room in the Ministry of Home Affairs (MHA) at 9.14am.

Eight minutes later, Cabinet Secretary B K Chaturvedi's private secretary was also brought into the loop

At 10.30, the director of the Control Room T. Swami informed Cabinet Secretariat officials

By then the tsunami had hit the Chennai coastline and another earthquake measuring 7.3 struck 60 miles west of Indira Point at 9.53 am”

This is however not the first time that a communications failure has led to such disastrous consequence and similarities can be identified clearly if we look at the Report of the investigation Committee relating to the 28th September blackout in Italy, in relation to the communication problems between the ETRANS (Swiss network operators) and GRTN (Italian network operators). The report states that:

At 3:11, the ETRANS operators requested by a phone call for GRTN to decrease the control deviation by 300 MW.

According to ETRANS, “GRTN was informed by ETRANS on the trip of the 380 kV line Mettlen - Lavorgo and the resulting overload of the 380 kV line Sils-Soazza and asked for the control deviation to be reduced by 300 MW

According to GRTN, “ETTRANS did not mention the line Mettlen - Lavorgo and the resulting overload on the 380 kV line Sils-Soazza, but only asked to reduce the control deviation by 300 MW”.

The ETRANS checklist also mentions that this communication shall be confirmed by fax. The ETRANS fax journal indicates faxes to the GRTN dispatching at 04.34 - 06.05 - 06.36 - 08.53 - 09.14 - 09.29 - 09.41.

According to GRTN, the first fax was received only at 09.41.

Is it really possible that in two completely different cases a bad communication link between different Institutions, and in particular, the failure of a fax machine plays such an important role?

Lack of co-ordination between different Emergency Management Institutions depends inevitably on training in co-operative working. These crises illustrate that co-operative crisis / emergency management on a trans-national level is one of the challenges of the 21st century.

The Indian Ocean earthquake was immediately detected by the “Pacific Tsunami Warning Center” (PTWC) in Ewa Beach, Hawaii, a laboratory providing tele-warnings for tsunamis to most countries in the Pacific Basin as well as Hawaii and all other US interests in the Pacific outside of Alaska and the US West Coast.



PTCW took about a minute to measure the earthquake and to realise that it was large enough to require the issuance of a warning, but took more than an hour for the informational bulletin to reach appropriate authorities, who then did not have the capability to convey any type of warning information to the threatened regions of India and Sri Lanka.

There is no established international coordination in this region of the world and therefore there was no ability to issue warnings. In addition there is also an absence of public education of hazard awareness and a plan for disaster preparedness. Such public educational programs are strongly supported in places like Hawaii and Japan where disaster preparedness is part of the school curriculum.

This lack of hazard awareness and preparedness has also produced, within the public authorities and government agencies, fear of the possible negative consequences that “false alarms” could generate in the populations behaviour. One of the most important “societal and economic challenges to be addressed” is solving trust and confidence problems, but probably a good co-operative working capacity between emergency management institutions and technical laboratories will inevitably contribute to the reduction of possible false alarms, and save lives.

TIEMS Membership Re-organisation

A committee was established following the TIEMS 2004 conference to review membership structure and bylaws and to review the membership benefits in relation to members needs.

The committee have already prepared a draft of the new membership annex to be included inside the new TIEMS by-laws and which will be presented to members during the TIEMS 2005 Annual General Meeting. A short introduction of the key features and amendments to the new member bylaws so far have been identified below for your information:

It is proposed that:

- There is a main section containing the key bylaws that are modifiable only by the general assembly and an appendix with ‘operative’ rules that could be modified by the Council at any time.
- ‘Affiliate’ membership status be disbanded. However to remain in the appendix the possibility to offer a discounted fee for members from the developing world or transition economies (criteria to be confirmed shortly).
- Two options be available for membership payment:
 - Single Annual Membership Fee or
 - Attendance of Annual Conference
- The opportunity to be eligible for status, as fellow members require no special scientific references but regular participation and contributions to TIEMS work considered.
- Proposal to consider TIEMS Chapters similar to ‘Institutional Members’.
- Members able to participate freely in SIG (Special Interest Groups).

In the coming months the General section, containing the objectives and the nature of TIEMS, and the Annex section on TIEMS Chapters, and international / regional relationship etc, will be supplemented inside the draft proposal which it is hoped will be completed in time for presentation to all Members before the next Annual General Meeting.

TIEMS Chapters: The Story So Far

The latest TIEMS Chapter and the sixth so far was successfully established in the Czech Republic during a joint event organized by the Czech University of Defense, the Crisis Management Institute VŠE, AFCEA Czech Chapter, Czech Police Academy and TIEMS.

The event incorporating a TIEMS workshop with the 7th International Conference ("The Presence and Future of Crisis Management 2004") was held from 22nd - 23rd November 2004 in Prague, Czech Republic, and attracted around 260 participants from twelve different countries (Czech Republic, Croatia, The Slovak Republic, Slovenia, UK, Russia, Belgium, Ukraine, Norway, Jordan, USA and Germany).



For further information about this Conference please visit:
www.emergency.cz/en/19.asp

This sixth TIEMS Chapter covering the region of Central and East Europe follows in the successful achievements of TIEMS during 2004 during which we have witnessed four further workshops and the Annual conference in venues across the world such as Australia, Korea, Russia, Germany, and Croatia and which have attracting over 1000 participants from more than 40 countries.

We now have under establishment chapters in Korea, Russia, Australia & Pacific, Germany, South Eastern Europe, and Central & Eastern Europe, and hope for more in 2005.

Work is already underway to achieve this and we are hopeful of a joint workshop in Jordan during which we intend to launch a Middle Eastern Chapter, and continue to receive positive support from both Universities and the Government in Holland regarding the establishment of a Dutch chapter.

We value your support in the generation and operation of these chapters and should you like further information or contact with your local chapter please do not hesitate to contacts us. We would also be pleased to hear from anyone who wishes to support the development of a regional chapter in their local area.

Please contact Harald.Drager@tiems.org for more information.

Improving Communications (MILSATCOM)

Transformational MILSATCOM Conference

28 Feb. – 2 Mar. 2005

Strand Palace, London

<http://www.iir-conferences.com/a.cfm?id=8596>

The MILSATCOM Conference has been organised to address the necessity of satellite and ground based communications and networking infrastructure.

Recent conflicts have highlighted the shortfall in capability between what is required and what is currently available and more than ever the ability of forces to communicate and operate seamlessly in battlefield conditions is critical to success.

This demand for ever more efficient communication is also clearly very important for Emergency Management as outlined in the earlier article of this newsletter regarding the Tsunami, and for this reason the TIEMS Council is pleased to support this event, and have entered into an agreement for mutual marketing activities of our events in future.

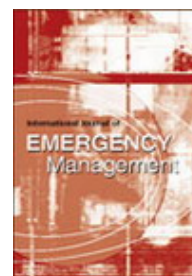
If you are interested in this event please visit:

<http://www.iir-conferences.com/a.cfm?id=8596>



Int. Journal of Emergency Management (IJEM)

The International Journal of Emergency Management (<http://www.inderscience.com>) has emerged from The International Emergency Management Society with the purpose to provide a forum where researchers, planners, managers, response personnel and other interested parties can exchange knowledge and information on the use of innovative methods and technologies to improve the ability to avoid, mitigate, respond to, and recover from natural and technological disasters.



The Editorial Board of this Journal composed mainly of members of TIEMS, welcome papers presented at all TIEMS conferences and events to be submitted for re-publication by contacting the Executive Editor Dr. Jean-Luc Wybo at the address available at Inderscience Web site.

This important and unique link with this International Journal is another important benefit brought to TIEMS members and we hope that it will benefit you all and assist in making publication of your material and research easier.

Forthcoming Events / Conferences

TIEMS is dedicated to highlighting to its members events and conferences, which we feel may benefit your professional development in forthcoming months.

TIEMS members and friends are encouraged to submit information about forthcoming events that may be of interest for the TIEMS community to info@tiems.org and we will endeavour to publish it in the most appropriate issues (October, February or June)

The 2005 Homeland & Global Security Summit

March 1 - 3, 2005

Washington Convention Center, Washington, DC

The 2005 Homeland & Global Security Summit in combination with the 4th Annual Summit of Equity International is considered the most influential homeland security event in the United States.

http://www.globalsecurity.bz/conferences/current_conferences/hgss/2005/index.asp

Protecting Critical Networks: Private solutions to public problems?

21st March 2005 - 22nd March 2005

Chatham House, London

This event examines current threats to critical infrastructure and looks at their implications for government and the private sector, whilst exploring policy options and mechanisms for mitigating potential risks and building resilience.

<http://www.chathamhouse.org.uk/index.php?id=5&cid=59>

ECOSUD 2005

Fifth International Conference on Ecosystems and Sustainable Development

3 - 5 May 2005

Cadiz, Spain

ECOSUD 2005 is the Fifth International Conference in a well-established series on Ecosystems and Sustainable Development. The meetings provide a unique forum for the presentation and discussion of recent work on aspects of ecosystems and sustainable development, including physical aspects and modelling.

The aim of the Conference is to encourage and facilitate the interdisciplinary communication between scientists, engineers, economists and professionals working in ecological systems and sustainable development. Emphasis will be given to those areas that will most benefit from the application of scientific methods for sustainable development, including the conservation of natural systems around the world.

<http://www.wessex.ac.uk/conferences/2005/eco05/>

IEEE International Conference on Intelligence and Security Informatics

May 19 - 20, 2005

Atlanta, Georgia, USA

This conference will discuss research topics from past ISI conferences as well as Terrorism Informatics, which will "present state-of-the-art terrorism informatics research from leading terrorism research experts and institutions." The conference will also discuss NSF-sponsored Information Technology Research (ITR) projects that focus on national and homeland security applications.

<http://ecom.arizona.edu/ISI/>

12th Annual Conference of The International Emergency Management Society

May 24 - 27, 2005

Tórshavn, Faroe Islands

The worlds leading annual event bringing together Emergency Management practitioners and academics from around the world in the exchange of knowledge and experiences. Special Feature in 2005: Tsunamis Worldwide

www.tiems.org

SAFE 2005

First International Conference on Safety and Security Engineering

13 - 15 June 2005

Rome, Italy

The purpose of this First International Conference is to provide a forum for the presentation and discussion of the most recent developments in the theoretical and practical aspects of Safety and Security Engineering.

SAFE 2005 covers all aspects of this interdisciplinary area of research and its applications, which bring together all fields of engineering; from the traditional to the most technologically advanced. The conference will cover issues such as: crisis management; security engineering; natural disasters and emergencies; terrorism; IT security; man-made hazards; control, protection and mitigation issues.

<http://www.wessex.ac.uk/conferences/2005/safe05/index.html>

31st International Symposium on Remote Sensing of Environment

"GLOBAL MONITORING FOR SUSTAINABILITY AND SECURITY"

June 20 - 24, 2005

Saint Petersburg, Russian Federation,

The overall theme of this event is the use of Earth observation systems in monitoring, understanding and managing our planet's environment with particular emphasis on global change, security and sustainability.



The Symposium will include oral and poster sessions on vital issues of interest to research and educational institutions, governmental agencies, commercial companies as well as resource managers, decision-makers in public and private sectors and scientists involved in remote sensing research and applications.

<http://www.niersc.spb.ru/isrse/index.shtml>

15th World Conference on Disaster Management

"The Changing Face of Disaster Management - Defining the New Normal"

July 10-13, 2005

Metro Toronto Convention Centre, Toronto, Canada.

The WCDM is an annual event that addresses issues common to all aspects of disaster / emergency management including speakers from many parts of the world and provides excellent opportunities for training and networking among those in Emergency Planning / Management, Emergency Response, Disaster Management Research, Emergency Communications, Business Continuity, Risk Management, Security, and many more.

<http://www.wcdm.org/>

2005 Safeguarding Australia Conference:

The 4th Homeland Security Summit and Exposition

July 12 - 14, 2005

Canberra, Australian Capital Territory, Australia

This fourth year of this Australian domestic security event will provide practical information on Australian developments. The conference will examine the policy consequences for fourth term domestic security of Prime Minister Howard's government, identify issues for the implementation of the policy decisions, and consider pressing operational problems in the first responder community and Australian business.

<http://www.safeguardingaustraliaconference.org.au/>