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<th>TIME</th>
<th>PRESENTATION TITLE</th>
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<tr>
<td>0900 - 1000</td>
<td>Welcome and Opening Crises Management in Mega Events: Study Case of Hajj</td>
<td>Saudi Arabia Officials and University Representatives</td>
<td>Saudi Arabia</td>
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<tr>
<td>1000 - 1030</td>
<td>TIEMS – An International NGO Network Focusing on how to Establish More Disaster Resilient Societies Worldwide</td>
<td>K. HARALD DRAGER President of The International Emergency Management Society - TIEMS</td>
<td>Norway</td>
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<td>1030 – 1100</td>
<td>COFFEE BREAK</td>
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<td>1700 – 2100</td>
<td>WELCOM DINNER</td>
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<th>Time</th>
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<tr>
<td>1100 – 1300</td>
<td><strong>PARALLELL TO MAIN WORKSHOP</strong>&lt;br&gt;Training Workshop on Command, Control and Coordination Mechanism or Incident Management System</td>
<td><strong>MEEN BAHUDUR POUDYAL CHHETRI</strong>&lt;br&gt;President of Nepal Centre for Disaster Management (NCDM)&lt;br&gt;Adjunct Professor Queensland University of Technology (QUT), Brisbane, Australia</td>
<td>Nepal</td>
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<tr>
<td>1100 - 1130</td>
<td>Disaster Risk Management trends in the Gulf Cooperation Council (GCC) countries, with special emphasis on the Kingdom of Saudi Arabia</td>
<td><strong>ANDREA ZANON</strong>&lt;br&gt;World Bank Regional Coordinator for Risk Management in Middle East and North Africa</td>
<td>Italy</td>
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<tr>
<td>1130 - 1200</td>
<td>Disaster Management: Capacity Building for Disaster Preparedness</td>
<td><strong>MARTIN THOMSEN</strong>&lt;br&gt;Lieutenant Colonel of Ministry of Defence, Danish Emergency Management Agency&lt;br&gt;Chairman of the Board of Sahana Software Foundation</td>
<td>Denmark</td>
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<tr>
<td>1200 - 1230</td>
<td>Pacific Disaster Center – Applying Information, Science and Technology for Hazard and Risk Monitoring and Early Warning</td>
<td><strong>CHRIS CHIESA</strong>&lt;br&gt;Deputy Executive Director Pacific Disaster Centre</td>
<td>USA</td>
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<tr>
<td>1230 - 1300</td>
<td>Analysis on the Recent Earthquake Catastrophes in China and Capacity Buildings of Disaster Preparedness in Developing Countries</td>
<td><strong>GUOSHENG QU</strong>&lt;br&gt;Professor &amp; Deputy Director of S&amp;T Committee of the National Earthquake Response Support Service (NERSS) in China&lt;br&gt;Deputy General Team Leader of China International Search and Rescue Team (CISAR)&lt;br&gt;Director of Digital Disaster Mitigation and Emergency Management Research Centre, Peking University&lt;br&gt;Vice President of TIEMS</td>
<td>China</td>
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<td>1300 – 1430</td>
<td><strong>LUNCH BREAK</strong></td>
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<tr>
<td>1430 - 1500</td>
<td>Academic Perspectives of Crises Management in MENA Region: Current and Future Trends</td>
<td><strong>NAILL MOMANI</strong>&lt;br&gt;Professor, Rabdan Academy, UAE, and Managing Partner, EBCCM, Saudi Arabia</td>
<td>Jordan</td>
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<td>1500-1520</td>
<td>Public Warning - A step-by-step Approach to a Multi-Channel Solution</td>
<td>MORTEN GUSTAVSEN</td>
<td>Norway</td>
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<td>Vice President Unified Messaging Systems AS</td>
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<td>1520-1540</td>
<td>GIS-based Assessment for Critical Infrastructure Resiliency During Emergencies in the City of Jeddah, Saudi Arabia</td>
<td>RIFAAT M. ABDALLA AND SALIM M. ALHARBI</td>
<td>Saudi Arabia</td>
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<td>Department of Hydrographic Surveying, Faculty of Maritime Studies, King Abdulaziz University, Jeddah</td>
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<td>1540-1600</td>
<td>Volunteering in Saudi Arabia</td>
<td>FAHED AL MURSHED</td>
<td>Saudi Arabia</td>
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<td>Volunteering Department Director, Saudi Civil Defence</td>
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<td>1600-1620</td>
<td>Improving the Emergency &amp; Disaster Operations Using the IOC/GIS Smart Platform</td>
<td>HASSAN DEENAOUI</td>
<td>Lebanon &amp; Saudi Arabia</td>
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<td>Khatib &amp; Alami, Beitut, Lebanon</td>
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<td>SALIM AMOURA</td>
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<td>IBM Riyadh, Kingdom of Saudi Arabia</td>
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<td>1620-1640</td>
<td>Emergency Volunteering in KSA: Current and Future Trend</td>
<td>NAILL MOMANI</td>
<td>Jordan</td>
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<td>MOHAMAD ALZAGHAL</td>
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<td>1640-1700</td>
<td>King Abdulaziz University Hospital (Kauh) Management of Flood Disaster</td>
<td>HASSAN A SIMBAWA</td>
<td>Saudi Arabia</td>
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<td>MD consultant in emergency medicine, university hospital, Faculty of Medicine, King Abdulaziz University</td>
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<td>1700-1720</td>
<td>Saudi Red Crescent Role in Disasters Management</td>
<td>BANDAR ABDULLAH</td>
<td>Saudi Arabia</td>
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<td>BARAHEEM MAKK</td>
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<td>Red Crescent Director</td>
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<td>1720-1800</td>
<td>COFFEE BREAK WITH QUESTIONS &amp; ANSWERS &amp; DISCUSSION</td>
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<td>1900-2200</td>
<td>SOCIAL EVENT</td>
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| 0900 - 1030| PARALLEL TO MAIN WORKSHOP TRAINING WORKSHOP on Emergency Management and Urban Search and Rescue | **GUOSHENG QU**  
TIEMS Vice President, The International Emergency Management Society (TIEMS)  
Director, Research Centre of Digital Disaster Mitigation and Emergency Management, IDC, Peking University.  
Prof. and Formal Chief Engineer, National Earthquake Response Support Service (NERSS), CEA  
Deputy General Team Leader of China International Search and Rescue Team (CISAR) | China   |
| 0900 – 0930| European Union Civil Protection System and UN Disaster Management System Focusing on Emergency Response and Preparedness Activities | **DUSAN ZUPKA**  
Coordinator, Disaster Risk Management, University of Geneva, Switzerland and International UN/EU Expert in Crisis/Disaster Management | Slovakia |
| 0930 - 1000| Use of Virtual Simulation for Emergency Preparedness                               | **THOMAS ROBERTSON**  
Principal of Thinking Teams  
TIEMS Regional Director for North America | USA     |
| 1000 - 1030| Analysis, Improvement and Design of Field Hospital – The FFH Project               | **GILLES DUSSERRE**  
Head of Risk Institute – Technical University of Ales  
(member of French Mines-Telecom Network) Ecole des Mines d’Alès | France  |
| 1030 – 1100|                                                                                   |                                                                         |         |
| 1100 - 1125| Interoperable Information and Communication Technology Infrastructure for Emergency Management in Kingdom of Saudi Arabia | **NAII MOMANI**  
**MOHAMAD ALZAGHA**  
EBCCM | Jordan  |
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<tr>
<td>1125 - 1150</td>
<td>International Centre for Emergency Education, Training And Disaster Experience Facilities for Profession and Public</td>
<td><strong>GUOSHENG QU</strong>&lt;br&gt;TIEMS Vice President, The International Emergency Management Society (TIEMS)&lt;br&gt;Director, Research Centre of Digital Disaster Mitigation and Emergency Management, IDC, Peking University.&lt;br&gt;Prof. and Formal Chief Engineer, National Earthquake Response Support Service (NERSS), CEA&lt;br&gt;Deputy General Team Leader of China International Search and Rescue Team (CISAR)&lt;br&gt;Wenlong YANG&lt;br&gt;Director of Asia Office, The International Emergency Management Society (TIEMS)&lt;br&gt;Deputy Director, Research Centre of Digital Disaster Mitigation and Emergency Management, IDC, Peking University</td>
<td>China</td>
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<td>1150 – 1215</td>
<td>Investigation of Online International Learning and Certification to Improve Disaster Resilience in Kingdom of Saudi Arabia</td>
<td><strong>TOM ROBERTSON</strong>&lt;br&gt;TIEMS Regional Director for North America&lt;br&gt;<strong>K. HARALD DRAGER</strong>&lt;br&gt;TIEMS President</td>
<td>USA &amp; Norway</td>
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<tr>
<td>1215 - 1235</td>
<td>Strengthening Public Health Response: Development of an Effective Medical Surge Capacity Management Approach in the Kingdom of Saudi</td>
<td><strong>CARL W. TAYLOR</strong>&lt;br&gt;Founding Partner of Fraser Institute for Health Risk</td>
<td>USA</td>
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<td><strong>1235 – 1400</strong></td>
<td><strong>LUNCH BREAK</strong></td>
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<td>1400 – 1530</td>
<td>Round Table Discussion of Research and Development Project Proposals</td>
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<td>1530 - 1600</td>
<td>Mass Casualty Management - Disasters Dealing with Mass Gathering such as Al Haj -Pilgrimage</td>
<td><strong>MEEN BAHADUR POUDYAL CHHETRI</strong>&lt;br&gt;President of Nepal Centre for Disaster Management (NCDM)&lt;br&gt;Adjunct Professor Queensland University of Technology (QUT), Brisbane, Australia</td>
<td>Nepal</td>
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| 1600 - 1630 | Bugs, Barriers and Borders – Challenges and Solutions to Health Risk Preparedness | CARL W. TAYLOR  
Founding Partner of Fraser Institute for Health Risk | USA      |
| 1630 - 1700 |                                | COFFEE BREAK                                    |          |
| 1700 - 1800 |                                | QUESTION & ANSWERS & DISCUSSION                 |          |
| 1900 - 2200 |                                | SOCIAL EVENT                                    |          |
|            |                                  | FINISH OF WORKSHOP                              |          |
Presentation of Keynote Speaker K. Harald Drager

Name: K. Harald Drager
Position: TIEMS President, Belgium
Professor Chair, King Abdulaziz University, Saudi Arabia

Date of Birth: 12.05.1942
Nationality: Norwegian

Biography:

K. Harald Drager, Oslo, Norway, is the founding member of the worldwide acting society TIEMS (The International Emergency Management Society - www.tiems.org), which he took the initiative to establish in 1993. He was the International Vice President of TIEMS since its inauguration until 2002, when he took over as TIEMS President, a position he was re-elected to for the 5th time in 2013. He has brought in new ideas and new people in TIEMS and succeeded the organization to span worldwide. TIEMS has under his leadership become the well recognized organization with growing activities in Asia and Europe and now TIEMS activity in Americas, Africa and Oceania is emerging. TIEMS has developed to a global well known organization with local chapters in many regions/countries, and TIEMS arranges each year workshops and conferences all over the world with focus on disaster risk reduction. TIEMS has also initiated development of a global education, training and certification program and a research coordination service for its members, and recently several Task Force Groups.

He has an extensive experience from industry and research activity, especially in emergency and risk management and he acts as the Managing Director of QUASAR Invest AS in Norway, a consultancy in global safety, emergency and disaster management. He has a Master’s degree in control engineering from the Norwegian Technical University in 1966 and a Master’s degree from Purdue University in USA in industrial engineering in 1973. His specializations are international organizational development, emergency, disaster and risk management and project management. He has done consultancy work for numerous clients internationally amongst others the World Bank/International Finance Corporation, NATO and the European Commission, and he has been project manager of several international research and development projects for methods and software development in risk, emergency and disaster management. He was employed by Det norske Veritas, http://www.dnv.com/ in 1967 and a member of the Board of Directors of the company for 5 years until he left the company in 1983 and founded his own consultancy, AS QUASAR Consultants and later QUASAR Invest AS. He has published numerous papers internationally on emergency, risk and disaster management.

He was appointed Professor Chair in 2014 at King Abdulaziz University in Jeddah, Saudi Arabia.

Workshop Keynote: TIEMS – An International NGO Network Focusing on How to Establish more Resilient Societies Worldwide

The world is becoming increasingly vulnerable to disasters. As a result of climate change, extreme events will happen every five years instead of every 20. The world population is aging and becoming more concentrated in cities and other vulnerable areas. Resources are available worldwide, at local and international levels, to address this challenge, but improvements are needed in coordination and community involvement, and we need an increased focus on preparedness. TIEMS is an international NGO network focusing on how to establish more resilient societies worldwide, and we propose a three-pronged approach to better prepare the emergency management community to meet these challenges: (1) international education and certification; (2) communication across borders; and (3) community engagement. The International Emergency Management Society (TIEMS) is addressing these needs through an initiative, Disaster Resilience Establishment in Vulnerable Societies (DREVS). We invite the international emergency management community to work with us toward these goals, making risk management and disaster preparedness a part of cultures throughout the world.
Presentation of Keynote Speaker Carl W. Taylor

Name: Carl W. Taylor JD
Position: Executive Director Fraser Institute for Health and Risk Analytics
Former Director NCDMR, CEO CEDAR GLOBAL

Date of Birth: 26.12.49
Nationality: USA

Biography:
He is the founding partner of the Fraser Institute for Health Risk and Analytics, a Princeton, New Jersey based think tank. Their work focuses on emerging trends in risk, uncertainty, market dynamics and innovation. He also serves as the CEO of CEDAR GLOBAL, a company focused on the development and deployment of tools to enhance situational awareness and disaster response during naturally occurring outbreaks.

Carl is the former Assistant Dean of the University of South Alabama College of Medicine, as well as the Director of the Centre for Strategic Health Innovation (CSHI) and the Executive Director for the National Center for Disaster Medical Response.

Carl is the creator of AIMS the incident management system for disaster response now used in over 1,000 healthcare facilities. He was a member of the New Zealand Health Challenge, a broadband ambassador to the Internet Innovation Alliance in Washington and an advisor to the European Union funded SAVE ME project. Carl provided testimony and guidance on the topics of risk and disaster response to committees of the United States Senate, House of Representatives, the Institute of Medicine, and the World Bank. He is a frequent author and speaker on the topic of improving disaster response.

He holds an undergraduate degree from Marshall University and a Juris Doctor from the University of Miami. He is also a Fellow in the Royal Society of Medicine.

Workshop Keynote: Pandemic, a Question of Bugs, Barriers and Borders

This presentation draws on recent and historical experiences about naturally occurring outbreaks. The topic is particularly timely as the world responds to the Ebola crisis in West Africa. We will focus our time on key points including a recognition that a virus can travel at the speed of an airplane to anywhere in the world. Unlike geographically confined natural disasters, outbreaks are boundary-less. In addition governments and responders will be challenged by wrong information, even from “experts”, a public concerned about response, and an economic impact, which may be greater than the disease burden. Against this backdrop of uncertainty is the challenge of overcoming communication barriers (local, national and international) and creating a system in which knowledge is shared and response-ability is enhanced. We will close the session with specific recommendations on dealing with an unseen enemy, drawn from Ebola, Marburg, E-68 and MERS responses.
Presentation of Keynote Speaker Guosheng Qu

Name: QU Guosheng
Position: TIEMS Vice President, Belgium

Date of Birth: 12.02.1961
Nationality: P. R. China

Biography:


He has an extensive experience from research activity and operation of USAR teams, especially in emergency and risk management, earthquake disaster on-site SAR as the Deputy Director and Chief Engineer (2004-2012) of NERSS and Deputy General Team Leader of China International SAR Team (2009-now) for many times (Pakistan, Indonesia, Wenchuan, Yushu, Lushan of China), and as decision-maker for many disaster coordination and commanding. As Deputy General Team Leader of China International SAR, he has lead the team to pass the INSARAG External Certification (IEC) as heavy USAR team in 2009 and IER INSARAG External Recertification (IER) as heavy USAR team in 2014. 1995-2002, Five times works (total one year) in Lab. of Geology, Paul Sabatier University in Toulouse, France as invited Prof. of earth science.

2004.12-2012, Deputy Director and Chief Engineer, Dr. and Prof. of Earth Sciences, National Earthquake Response Support Service (NERSS), China Earthquake Administration (CEA). He has published more than 100 papers in earth science, earthquake risk analysis, emergency response and SAR of earthquake disasters.

Workshop Keynote: Analysis on the Recent Earthquake Catastrophes in developing countries and Capacity Buildings of Disaster Preparedness in Developing Countries

There are many disasters occurred in Asia-Pacific and Middle-East Areas. But most of the huge catastrophes were happened in developing countries in recent years. The analysis shows that the same events of natural disaster occurred both in developing and developed countries, the disaster degree and casualties are different. The main reasons for the small events but with big disasters in the third world countries are the lower resilience and no disaster preparedness with poor living conditions. By the analysis of the following disaster events with the parameters of earthquake, types of seismic tectonics, topography and population, buildings resistance of earthquake, transportation situation after the events, landslides and relative secondary disasters of earthquake, economic and society situation of the disaster area, casualties of recent year earthquake, it is founded that main reasons of the casualties of the earthquake are mainly: the magnitude of earthquake, types and resistant standards of local buildings, the scales of landslides and quake-lakes, population of the disaster area.
Presentation of Keynote Speaker Tom Robertson

Name: Thomas V. Robertson
Position: Director, TIEMS North America
Principal, Thinking Teams
Date of Birth: 04.24.1947
Nationality: USA

Biography:
Tom Robertson directs North America operations of The International Emergency Management Society (TIEMS), where he founded the TIEMS USA local chapter. He is Technical Manager for TIEMS in the European Union ASSET Program, which is developing improved, participatory approaches to pandemic response. He is also leading the TIEMS initiative, Disaster Resilience Establishment in Vulnerable Societies (DREVS).

Tom is Founder and Principal at Thinking Teams, an international consultancy to leaders and organizations seeking high performance teams dealing with complexity, uncertainty, and risk. His clients include BAE Systems, The European Commission Directorate-General for Research and Innovation, and The Oregon Built Environment and Sustainable Technologies. He is active in the Oregon Organizational Development Network’s Community Consulting Program, which specializes in making not-for-profit organizations more effective.

Tom earned a Ph.D. in Electrical Engineering from Purdue University, where he did research in bioengineering, communications, and artificial intelligence. At Bell Laboratories he developed new techniques for monitoring and trouble-shooting system failures. He performed and led advanced research and development in simulation, image processing, advanced computing, artificial intelligence, and systems engineering in roles including Associate Technical Group Director, BAE Systems; Director, Advanced Information Sciences Division at The Analytic Sciences Corporation; Director of Engineering and Chief Scientist at Lockheed Martin Advanced Simulation Centre; and Vice President/General Manager at Atlantic Aerospace.

Workshop Keynote: Use of Virtual Simulation for Emergency Preparedness

Well-prepared people are at the core of emergency preparedness, professionals as well as the general public. Being well-prepared requires a combination of specialized and practical knowledge and experience that give a person the awareness and tools they need to be ready. Simulation offers a means to immerse a participant in realistic emergency situations that would be too costly, time-consuming, or dangerous to rehearse “for real”. Simulation can also make information more accessible, and lead to increased public interest through entertainment and social interaction. The technologies to support virtual simulations have continuously improved since work in the 1980’s at the Defence Advanced Projects Agency (DARPA) showed their effectiveness for training. Simulated virtual realities are being used today to train and prepare for emergency management in organizations such as the US Department of Homeland Security, the Los Angeles Police Department, and the New York City Office of Emergency Management. Emergency simulations are also being used throughout the world to inform and entertain the public. Recent advances in graphical processors, mobile computing, and social networking allows broader and more creative use of simulation. This paper illustrates with examples how simulation contributes to emergency preparedness in five key areas: specialized knowledge, experiential learning, psychological acclimation, team building, and complex planning. We also examine the operational, economic, and technical factors that drive effective use of virtual simulation in emergency management, and suggest how potential users might take better advantage of the technology, and how developers of simulation technology might make it more useful.
Presentation of Keynote Speaker Christopher C. Chiesa

Name: Christopher C. Chiesa
Position: Deputy Executive Director, Pacific Disaster Center
Maui, Hawaii, U.S.A.
Date of Birth: 02.06.1963
Nationality: American

Biography:
Mr. Chiesa specializes in the application of geospatial information, science, and technologies to disaster risk reduction and natural resource management activities. His responsibilities span business development, program management, and line management duties with an emphasis on PDC’s customer-supporting services and operations. He has been involved in geospatial information technologies including remote sensing and geographic information systems (GIS) more than 25 years. During this time he has participated in developing, implementing and managing programs based within the U.S. and internationally and with regional organizations including ASEAN and APEC.

Most recently Mr. Chiesa has been Project Director for the Center’s Biosurveillance Information Service (“BioServ”) project. The primary objectives of this project are to: 1) establish automated procedures to actively populate and maintain a central repository for global open source health surveillance data; 2) incorporate human, animal, and environmental data from open sources along with key infrastructure data into the information service; and 3) use PDCs DisasterAWARE for display, assessment, and alerting of disparate disease and biosurveillance data (both automated and manual) in humans, animals, and vectors.

Workshop Keynote: Pacific Disaster Center – Applying Information, Science and Technology for Hazard and Risk Monitoring and Early Warning

PDC is an applied science, information, and technology center established by the U.S. Government in 1996. The Center has been managed by the University of Hawaii since 2006. PDC’s online interactive GIS application, “DisasterAWARE,” is an automated decision support system for disaster management professionals, providing near real-time, multi-hazard monitoring using trusted data sources for hazard warnings around the world. The system currently integrates impact modeling, risk exposure, and mapping technologies to deliver web-accessible graphics and information to users. It also provides a platform for information sharing, from early warnings for at-risk populations to files and messages at various levels of restricted access. This platform, in a number of iterations, is used around the world.

DisasterAWARE is constantly being expanded and upgraded to ingest new data resources and to meet the ever-growing needs of disaster managers. Today, resources that support biomedical monitoring and response are among the most needed tools, and PDC has responded with enhancements to DisasterAWARE.

Maintaining an up-to-date picture of health status and disease outbreaks around the globe is a challenge for public health professionals and their colleagues in closely related fields including disaster preparedness and response. To address this challenge PDC and its partners have developed the Biosurveillance Information Service (BioServ). This initiative brings in health and disease reporting from carefully vetted global, regional and national/local sources. In addition to visualizing and reporting these data, BioServ integrates the resulting health and disease awareness into DisasterAWARE. To date, more than 20 information sources have been incorporated within BioServ. Their use for public health emergency monitoring will be explored in this presentation.
**Presentation of Keynote Speaker Dusan Zupka**

**Name:** DUSAN ZUPKA  
**Position:** Coordinator, Disaster Risk Management at University of Geneva, Switzerland  
**Senior International Advisor, United Nations Development Program, New York and Geneva**

**Date of Birth:** 26.04.1951  
**Nationality:** Slovak Republic

**Biography:**

Dusan Zupka was born in Slovakia and works now in Geneva, Switzerland. He started his professional career in the diplomatic service of Czechoslovakia. He is now university professor and lecturer in crisis and disaster risk management at University Geneva, Switzerland University of Copenhagen, Denmark and European Academy Berlin, Germany. At the same time he acts as Senior International Expert of UNDP and European Union in the same field. Before he worked 25 years in the United Nations Disaster Management system in several managerial positions, mainly in UN OCHA. He was working as Head of the UN Disaster Risk management projects in several countries affected by natural disasters, technological emergencies or armed conflicts in 4 continents and carried out field mission to crisis situation on behalf of the UN to some 60 countries around the globe. He was also involved in disaster risk management activities in Abu Dhabi and Kuwait.

He holds a Master in international economics and development and made post-graduate studies in disaster risk management in Disaster Preparedness Centre of the University of Wisconsin, Madison, USA. He acted as chairman, key-note speaker and/or lecturer in more than 150 international conferences and seminars dealing with disaster management, crisis response and humanitarian assistance in more than 50 countries. He wrote several publications and articles dealing with disaster and crisis management.

**Workshop Keynote: EU Civil Protection System and UN Disaster Management System Focusing on Emergency Response and Preparedness Activities**

Disasters killed since 1990 58,000 people and affected another 225 million people worldwide on average each year, according to the World Bank. Globally, the direct losses from natural disasters only reached on average figures of the past ten years at 184 billion with insured losses at USD 56 billion. The negative consequences of natural disasters, both in human life, economic and political terms can be devastating and deserve serious attention. World is becoming increasingly vulnerable to disasters. These negative trends required all major international systems, including the United Nations and European Union to develop and constantly improve effective and comprehensive disaster and crisis management systems to mitigate devastating impact of disasters.

The lecture outlines main trends affecting human and economic vulnerability of our societies to natural and technological hazards. It continues by describing main services, tools and activities of the EU civil protection system and the UN disaster management system. Main focus of the presentation is emergency response and preparedness with some references to disaster risk reduction.
Presentation of Keynote Speaker Gilles Dusserre

Name: **DUSSERRE Gilles**
Position: *Head of Risk department, Ecole des Mines d’Alès*
Date of Birth: **14.08.1967**
Nationality: **French**

**Biography:**
He had Doctorate of Pharmacy (1987-1993), a Master in Industrial Safety and Environment issued by the Conference des Grandes Ecoles (1994), a Master degree "Chemistry of the Environment and Health - University of Marseille" (1995), a PhD (Doctorate of Science : in Chemistry, Environment and Health) and a Habilitation Research at the University Jean Monnet (St. Etienne) in 2002. From 1997 to 2014, he was leader of the Industrial and Natural Hazards Unit of the Ecole des Mines d’Ales (about 8 lecturers and 8 PhD students). From October 3rd 2014, he coordinates all the framework of Risk at the Ecole des Mines d’Alès (about 40 persons) as Head of Department.

From 2005 to 2007, he led the Group “Major industrial risks (one of the four pillars of Cluster Risk Management and Vulnerability Territories). From 2007 to 2010 he was Director of Scientific Interest Group with INERIS, ENSOSP and INHESJ on crisis management. From 2010 to 2011 he was a member of the evaluation committee of the ANR program "Concepts Systems and Tools for Global Security."

He conducted many researches in the field of risk management mainly relate to risk analysis, evaluation of the consequences of technological disasters (fire, explosion and dispersion of toxic gases) and natural disasters (forest fires and floods), the mitigation means (use of water curtains) and crisis management. He managed various studies within the framework of national, European and international projects, in partnership with industry, academia and major research organizations. His current research is part of a comprehensive security approach where it looks more specifically to issues of organizational learning and resilience of critical infrastructures. Author or co-author of nearly 30 publications, books and conferences in the field of risk and crisis management, he is a member of The International Emergency Management Society.

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**Workshop Keynote: The Interest of Virtual Training for Crisis Management**

Feedbacks from the nuclear power plant accident in Fukushima (Japan, 2011) and the explosion of the chemical plant AZF in Toulouse (France, 2001) underline that strategic decision-making is taken in a complex and dynamic environment, characterized by emergency. Improving crisis management of disasters, requires more effective training sessions (i.e. by using simulation game) and methodologies allowing evaluation and debriefing. During major crisis, **Collective failures can have different reasons**: Cognitive: misrepresentation of the situation, sensemaking collapse, loss of structuring frame, Behavioral: feelings, lack of understanding, block for acting, non-critical group think, disorientation, or Organizational: wrong execution of decisions, coordination collapse, wrong tasks’ repartition, leadership deletion, lack of communication, blind support of the procedures. Our will is to emphasize various indexes (Index of trainee’s ability to cope with crisis situation based on preliminary questionnaire highlighting needs and skills before the training session, Indexes of monitoring of trainees during the training session to collect real time data (non technical and technical skills, group dynamic, behavior) in order to promote the animation ability. Furthermore, we plan to individualize holistic system able to improve the global interest of the debriefing.
Presentation of Keynote Speaker Meen Chhetri

Name: Meen B. Poudyal Chhetri
Position: President, Nepal Centre for Disaster Management
Adjunct Professor, Queensland University of Technology, Brisbane, Australia
Nationality: Nepali
Email: meen.chhetri@yahoo.com;

Biography:
Prof. Chhetri is the President of Nepal Center for Disaster Management (NCDM) and Chairman of The International Emergency Management Society (TIEMS)'s paper Review Committee. He has been appointed as the Adjunct Professor at the Queensland University of Technology, Brisbane, Australia from 1 March 2009. He served as the Director of the Department of Disaster Management of the Government of Nepal from 2001 to 2003. In 2004 he worked as the Deputy Regional Administrator in Hetauda, Nepal. From 1995 to 1996, he was the Chief District Officer and Chairman of District Disaster Relief Committee in Dhading district of Nepal. Prof. Chhetri also held positions of Under Secretary, Investigation Officer and Special Officer in various government agencies of Nepal including the the Commission for the Investigation of Abuse of Authority, Ministry of Home Affairs, Ministry of Finance, Ministry of Agriculture and Ministry of Education. Prof. Chhetri authored two books namely; "Mitigation and Management of Floods in Nepal" and “Analysis of Nepalese Agriculture.” He has also published a number of articles in national and international journals. Prof. Chhetri awarded with AEI Australia Alumni Excellence Awards 2014 by the Government of Australia on 20 January 2014. Prof. Chhetri completed Post Doctorate from the Queensland University of Technology (QUT), Brisbane, Australia in 2011. Prof. Chhetri earned his doctorate degree in Economics from the University of Vienna, Austria in 1995. He also holds an MA and Law degree. Apart from the above, he has carried out a number of research works in various fields in Nepal and beyond.

Workshop Keynote: Mass Casualty Management - Disasters Dealing with Mass Gathering such as Al Haj-Pilgrimage

Mass gatherings is an organized or unplanned event where a serious disruption of the functioning of a community involving widespread human, material, economic or environmental losses and impacts, which exceeds the response capability of the affected community, state or nation hosting the event and requires medical services for large populations who have gathered to attain certain goal for a definite period. Mass gatherings, including scheduled events in sports facilities, air shows, rock concerts, outdoor celebrations and visits by celebrities, vary in their complexity and demand for medical services. Mass gathering events have an enormous impact and severe pressure on the local health care system and a mixture of high crowd density, limited or difficult points of access, lack of fire safety, difficulty in controlling the crowd and lack of on-site medical care that can lead to problems that results into disaster. In the context of the above situation of mass gathering incidents - a disaster is to be considered as a catastrophic event occurring suddenly and causing enormous loss of human lives and physical properties. Lessons learnt from the past overcrowding disasters indicate the need to plan ahead for the potential number of attendees, establish crowd control mechanism, form exit points, plan for fire and health safety and decrease the risk of the happening and allocate necessary resources.
Presentation of Keynote Speaker Andrea Zanon

Name: Andrea Zanon
Position: Middle East and North Africa Disaster Risk Management Regional Coordinator, The World Bank Group
Washington D.C. USA
Date of Birth: 16.05.1973
Nationality: Italian

Biography:
Andrea is the World Bank Middle East and North Africa Regional Coordinator for Disaster Risk Management. He has seventeen years of professional experience including eight years in the private and public sectors as a CFO, Vice President, CEO and Director of Business Development and 9 years as social entrepreneur. In this capacity as the Regional Coordinator at the World Bank, he has built risk management programs in 11 courtiers in the Middle East leading to US$ 2.5 billion in risk reduction investments.

Andrea is social entrepreneur and has founded and led several award winning start-ups in the health, agribusiness, environment and financial services in Africa, Europe and Latin America. These include Jimmly-Lee Co., Aroma Consulting, Earth Council Fund, and 4Minuti. Andrea’s private sector experience also includes working for the President Clinton Foundation as an energy advisor and for Secretary of State Madeline Albright as an Investment Officer.

Andrea has a bachelor and a master degree in Linguistic and History (Bologna University, 2002 and University of Granada); a Master Degree in Economics and International Development (Georgetown University, 2007) and is a candidate for the Charter Financial Analyst.

Workshop Keynote: Disaster Risk Management in Middle East and North Africa - Status, Gaps and Remedial Actions

While the absolute number of disasters around the world has almost doubled since the 1980s, the average number of disaster events in MENA has almost tripled over the same period. Despite the different levels of development, between 1980 and 2012, 81 percent of disaster events in MNA were concentrated in just 6 countries: Algeria, Djibouti, the Arab Republic of Egypt, the Islamic Republic of Iran, Morocco, and the Republic of Yemen. Additionally, increased frequency and intensity of adverse natural events are being recorded in the GCC countries, and Saudi Arabia is one being affected the most, especially when the effects of climate change and technological risks are accounted for in risk assessments. This short paper will provide a qualitative assessment of the socio-economic impacts of disasters globally and in MENA, including their effects on the competitiveness of cities, with special focus in the water, energy, transportation, housing and real estate, and financial sectors while providing an overview on the international successes integrating DRR into investment and development.
Presentation of Keynote Speaker Martin Thomsen

Name: Martin Thomsen
Position: Chair, Sahana Software Foundation
Lieutenant Colonel, Ministry of Defence, Danish Emergency Management Agency (DEMA)

Date of Birth: 01.01.1961
Nationality: Danish

Biography:

Martin Thomsen, Middelfart, Denmark, is chair of the Sahana Software Foundation and Lieutenant Colonel and Deputy Head of College at the Danish Emergency Management Agency (DEMA), Emergency Services College.

Sahana software was originally developed by members of the Sri Lankan IT community in the immediate aftermath of the 2004 Indian Ocean earthquake tsunami, under the stewardship of Lanka Software Foundation. Martin Thomsen served at the board of directors from the beginning, and was co-founder when the foundation in 2009 inaugurated under the name Sahana Software Foundation as a non-profit organization registered (501 C3) in the State of California. Since 2012 Martin Thomsen served as the Vice Chairman of the Foundation, until he was appointed chairman of Sahana Software Foundation in 2013.

Martin Thomsen has an extensive experience from international missions, especially in disaster response and risk management. He has graduated from the Advanced Officers Education (MSc) from DEMA Officers Academy. He has successfully accomplished the Advanced Fire Engineer’s exam in Sweden as well as Behavioural Sciences from the faculty of Social Sciences at Lund University.

Martin Thomsen has furthermore served in the United Nations (UN) as Head of Department in Kosovo from 2000 to 2001 and as EU Observer on a monitoring mission to Omsk Oblast, South-western Siberia, Russian Soviet Federative Socialist Republic from 1991-92. He joined in May 2003 the UN/OCHA (UNDAC), where he has responded to incidents in Sri Lanka (Tsunami 2004) and the flooding following torrential rains in Albania (2010).

He is furthermore an EU High Level Coordinator at the European Commission within the European Civil Protection Mechanism for reinforced cooperation in Civil Protection assistance interventions (MIC) since March 2004 and an EU Multifunctional Civilian Response Team member (Civilian Crisis Management) of the Council of the European Union (CEU/CRT) since January 2006.

Workshop Keynote: Disaster Management - Capacity Building for Disaster Preparedness

Disasters have massive human and economic costs. They may cause many deaths, severe injuries, and food shortages. Most incidents of severe injuries and deaths occur during the time of impact, whereas disease outbreaks and food shortages often arise much later, depending on the nature and duration of the disaster.

Anticipating the potential consequences of disasters can help determine the actions that need to be started before the disaster strikes to minimize its effects.

Anticipating the potential consequences of disasters can help determine the actions that need to be started before the disaster strikes to minimize its effects. Over the past two decades the international organisations has gone through major changes as a result of crises such as the Kobe earthquake, conflicts in Africa, the 11th September 2001 terrorist attacks on the United States, the war in Afghanistan, the Indian Ocean tsunami, the earthquake in Haiti, but what about the disaster prone countries?
Presentation of Keynote Speaker Naill Momani

Name: Naill Momani
Position: Professor, Rabdan Academy, U.A.E  
Managing Partner, EBCCM  
Saudi Arabia
Date of Birth: 07.04.1975
Nationality: Jordanian

Biography:
Dr. Naill Momani holds a Ph.D. in Engineering Management from George Washington University (GWU), USA with major specialization in crisis, risk and emergency management, and a minor in environmental management. During the past decade, Dr. Momani participated in various activities in which he gained experience in management and leadership training and consultation. Dr. Momani has publications in international journals in areas of disaster risk management, and he has contributed to enriching the Arabic library with the first specialized book in the crises management field. His teaching experience began in 2002 and he has spanned several universities including Hashemite University and the Arab Academy for Banking and Financial Sciences in Jordan, Abu Dhabi University, UAE, and King AbdulAziz University in Saudi Arabia. He joined Rabdan Academy (UAE) as an Associate Professor of Integrated Emergency Management and Business Continuity Management in 2013.

Dr. Momani advocated for establishing scientific discipline within crises and disasters management, since he graduated in 2002, in all institutions that he had chance to work with through different specialized seminars and trainings. Moreover, he gave advice to other institutes through providing study plan such as University of Jordan or training such as Arabian Gulf University that lead to establishing specialized programs in this domain. Recently he established the 1st master’s degree in Saudi Arabia with focus in crises and disasters management at King AbdulAziz University in 2013 before moving to Abu Dhabi to join recently established bachelor degree in business continuity and integrated emergency management program at Rabdan Academy. Dr. Momani established Excellence in Business Continuity and Crisis Management (www.ebccm.org) as one of the first highly specialized centers for training, consultations, studies and arbitrations in the Middle East within the field of crises, risk, and emergency management. It was established in Jordan in 2006, in order to fulfill the gap of such needs for the Arab countries, and then it was registered as house of experiences within Business and Knowledge Alliances at King Abdul Aziz University-Saudi Arabia in 2010.

Workshop Keynote: Academic Perspectives of Crises Management in MENA Region: Current and Future Trends

There is emergent global interest in offering disasters and crises management science as an option through the academic universities and research centers, especially after the increase in human and monetary losses due to natural and man-made disasters. We studied the academic role to be played by universities and research centers to reduce future losses with focusing on opportunities and challenges facing the launch of disaster and crisis management as an academic option in the Arab States, citing research published in scientific journals and on crisis management and the views of leaders in the academic field. The main objective in this presentation is to raise awareness in academia of the importance of scientific research in the field of crisis management to prevent or reduce future losses of organizations and assist them to return to normal life after a crisis. It should be noted that no documentation of all efforts and attempts, "if any" to bring an academic crisis management as an option in the Arab States  with hopes to be included in future seminars and conferences.