



## The International Emergency Management Society



# TIEMS President's 2013 Annual Report



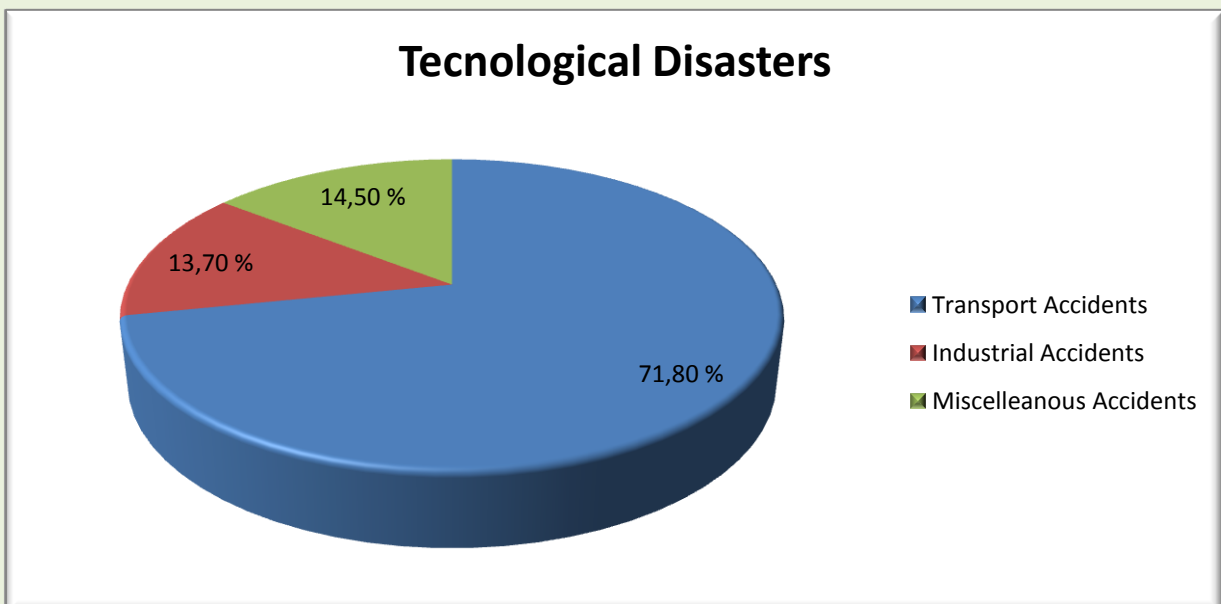
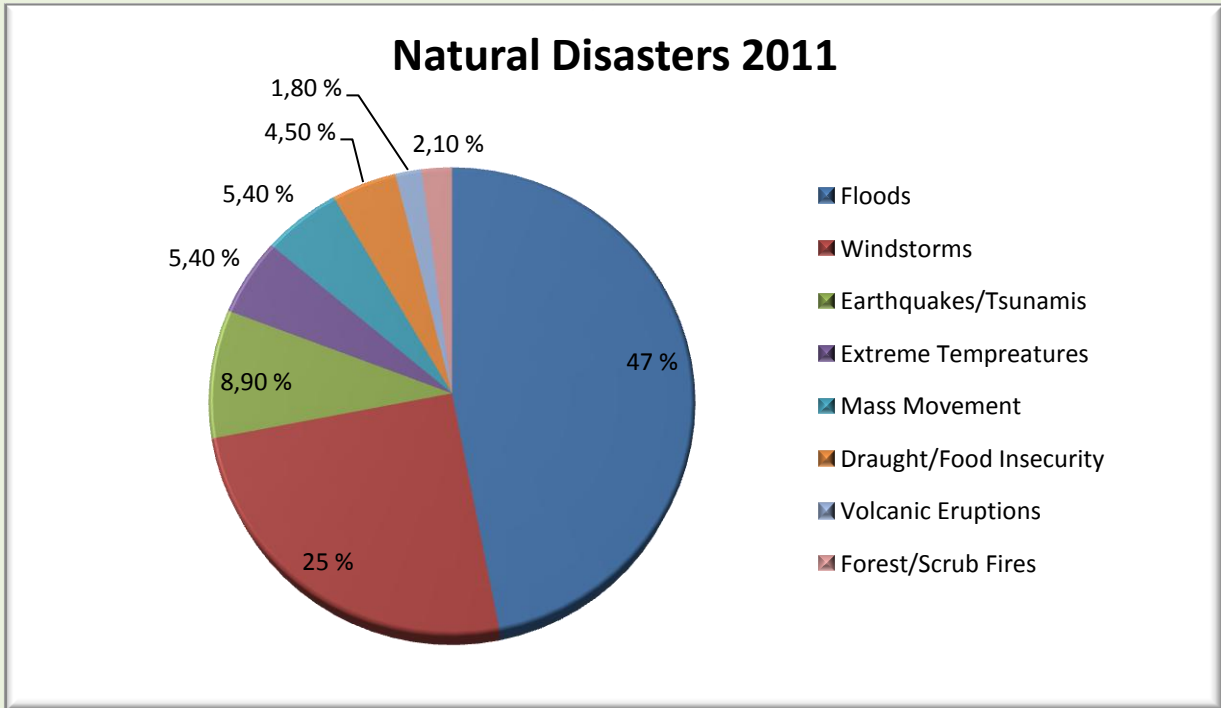
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## TIEMS President's 2013 Annual Report

### Introduction

From the *"#wdr2012 - data dashboard"*, the following overview of disasters for the period 2002 – 2011 is shown below:



In summary the following disaster picture and consequences describe the period 2002 – 2011:



Floods respectively transport are the most severe natural respectively technological disasters in the period 2002 – 2011. While a positive downwards trend is seen for transport accident in the said period, the flood disasters seem to be steady but fluctuating over the period.

Most disasters happened in Asia in the period, the double of disasters in Africa. While it shows a slowly decreasing trend in Asia, it seems to be steady but fluctuating in Africa. Asia also had most deaths after disasters, 77 % of all in 2011, while Africa had 9.3 % in 2011. Deaths in Asia have been fluctuating over the period 2002 – 2011, while it has been quite steady in Africa.

Population in Asia has been most effected with 84.2 % in 2011, with a decreasing trend in the period 2002 – 2011. 9.1 % of Africa's population was affected in 2011, which also was a steady trend in the period 2002 – 2011.

The cost of damage was also highest in Asia with 74.4 % in 2011, while 18.7 % in Americas in 2011.

The overall picture is that floods are number one disaster and Asia is the most affected continent on disasters. These figures and conclusions should be very clear indicators of what and where to prioritize concerning activities for Disaster Risk Reduction.



## The International Emergency Management Society (TIEMS)

TIEMS role in emergency and disaster management and disaster risk reduction is expressed by TIEMS mission statement:

*TIEMS is a Global Forum for Education, Certification and Policy in Emergency and Disaster Management and is dedicated to developing and bringing the benefits of modern emergency management tools and techniques and best practice to society for a safer world, through exchanging information of the use of innovative methods, technologies and operations to improve society's ability to avoid mitigate, respond to and recover from natural and technological disasters.*

*TIEMS provides a platform for all stakeholders within the global emergency and disaster management community to meet and network, learn about technologies and operational methods, and exchange experience on best practice, and this way influence policy makers worldwide to improve global cooperation and establish global standards within emergency and disaster management.*

### TIEMS Achievements 2012

I am pleased to report the following main achievements for TIEMS in 2012:

- *TIEMS had its most active and progressing year ever in 2012*
- *TIEMS arranged 13 events in 2012, with conferences, workshops and training courses*
- *TIEMS annual conference took place in Erbil, Iraq with more than 400 participants*
- *Other conferences and workshops were in Japan, Russia, China, Italy, Norway and Korea*
- *Training courses took place in Romania, China and Iraq*
- *TIEMS issued two newsletters in 2012*
- *TIEMS Secretariat took gradually over most administrative TIEMS activities in 2012*
- *TIEMS elected board members and officers in Erbil, Iraq added value to TIEMS board*
- *TIEMS chapters were established in Japan and Italy, and a dialogue is opened in many countries for establishing TIEMS chapters*
- *TIEMS research service for its members resulted in RTD project activities for TIEMS members in 2012*
- *TIEMS International Education, Training and Certification Program was further elaborated*
- *TIEMS International Pool of Teachers and Trainers increased with new experts*
- *TIEMS Library with papers from TIEMS conference since 1994 to present was established on TIEMS web-site*
- *TIEMS revised By-laws was prepared for final approval by TIEMS AGM 18<sup>th</sup> February 2013*
- *The revised By-laws introduce new TIEMS member categories*
- *TIEMS agreed the Annual Conference 2013 to take place in Southern France*
- *TIEMS agreed conferences and workshops in Kyoto, San Diego and Berlin in 2013*



- *TIEMS web-site was edited, updated and refreshed in 2012*
- *TIEMS activity on Twitter and Facebook increased considerably in 2012, and Twitter and Facebook was in use during TIEMS Oslo conference*
- *TIEMS issued several awards for excellence in emergency and disaster management*
- *TIEMS became and affiliate member of the International Civil Defence Organization (ICDO) in 2012*

The main achievements for TIEMS in 2012 are detailed in the following.

## **TIEMS International Network of Experts**

The beauty of TIEMS is the international network of experts and chapters in different countries and regions worldwide. Such a network is very valuable for exchanging expertise and experience, and can ensure that the best solutions for emergency and disaster management would be used in the best interest of a safer world.

There is a growing interest for TIEMS worldwide and TIEMS is reaching out to all stakeholder groups in emergency and disaster management in more geographical areas of the world. Since emergency and disaster management and disaster response is the responsibility of the authorities, TIEMS seeks cooperation with the authorities in all our initiatives and arrangements, and our global and local events are supported by the local authorities wherever the events are arranged.

TIEMS objective is to create a meeting place for all stakeholders in emergency and disaster management for an open dialogue and exchange of experience and expertise, taking cultural aspects of emergency and disaster management into account. This is achieved through moving our annual conference around the world, and arranging local workshops and conferences annually in TIEMS chapter areas in cooperation with the authorities, industry and others with an interest in emergency and disaster management. This way TIEMS international network increases and opens up an international dialogue also for exchange of important local knowledge in emergency and disaster management.





## TIEMS Member Benefits



- ✓ *Belonging to a worldwide network of experts and volunteers in emergency and disaster management, providing the opportunity for networking and cooperation*
- ✓ *Access to TIEMS conferences and workshops worldwide at preferential rates*
- ✓ *Access to information on global emergency and disaster management trends and news through TIEMS announcements and newsletters*
- ✓ *Access to professional international emergency and disaster management journals at preferential rates*
- ✓ *Access to TIEMS electronic library with all papers from TIEMS conferences from 1994 – to present*
- ✓ *Access to TIEMS International Education and Training Programs in Emergency and Disaster Management*
- ✓ *Opportunity to become certified in International Emergency and Disaster Management – TIEMS QIEDM Certification*
- ✓ *Opportunity to participate in research and development projects initiated by TIEMS R&D service, TIEMS members or others*
- ✓ *Access to TIEMS Young Scientist Network and its assistance to young scientists*
- ✓ *Access to TIEMS Student Support Program*
- ✓ *Ability to influence TIEMS global work for a safer world*
- ✓ *Become part of TIEMS Management as an elected TIEMS Director or appointed TIEMS Officer in TIEMS International or in TIEMS Chapters*

### TIEMS 2012 Annual Conference in Erbil, Iraq

TIEMS 19<sup>th</sup> Annual Conference took place at Hotel Sheraton in Erbil, Iraq 18<sup>th</sup> – 21<sup>th</sup> September, 2012. It was another important and excellent TIEMS event, gathering more than 400 participants from 20 countries.

The key persons in TIEMS Iraq Chapter at the opening of TIEMS annual conference 2012 are pictured below:





Dr Mohammed Shuaib



Dr Shakir Katea

Participants at the annual conference in Iraq



The below declaration was concluded at the end of TIEMS annual conference.

**The 1<sup>st</sup> International Emergency Medicine Management and joint TIEMS 19th Annual Conference and workshops**

**Erbil, Iraq (16-21 September 2012)**

**DECLARATION**

The conference has identified the following themes as priority areas where the Government of Iraq will be focusing on in the next years to come. These include reviewing and updating existing policies and strategies related to the organization, structure and administration of disaster risk reduction, including emergency medical services pre-hospital and hospital plus long term rehabilitation.



The conference recognizes the important role played by international organizations such as the International Medical Corps (IMC) and The International Emergency Management Society (TIEMS), the World Health Organization (WHO), key individuals and other partners in supporting the Government of Iraq to develop and enhance DRR [Disaster Risk Reduction], Disaster Risk Management, Crisis Management and Emergency Medicine in Iraq and calls upon these organizations to continue providing technical support, under the coordination and the leadership of the Ministry of Health of Iraq and the Ministry of Health of the Kurdistan Regional Government.

TIEMS members express their full commitment and support to work within the common platform and as a contact point for the exchange of knowledge, sharing of experiences and collaboration among the DRR and Crisis Management professionals and practitioners involving all stakeholders.

Various topics of concern were raised during the preconference workshop, which served as an excellent forum in building capacity of Iraq professionals dealing with emergencies in terms of reviewing best practices and lessons learnt from other countries. The Ministry of Health welcomes and supports these initiatives.

We recognize that the vulnerability of the people of Iraq to natural and human induced disasters is increasing. We identify that the rapid urbanization, population rise and environmental degradation increases the incidence of disasters. In recent years, the impacts of environmental change including climate are causing increasingly detrimental consequences upon the people and food security.

The government has to comprehend that proactive legal provisions are of high importance for Disaster Risk Reduction and it need be realized that disaster preparedness activities require to be adopted routinely to minimize the potential impacts of disasters.

The joint organizers and delegates of the International Conference of Emergency Medicine and Management agree unanimously and declare the following recommendations:

Disaster Risk Reduction Recommendations:

1. We recognize the need and importance of TIEMS and of attending delegate representatives in addressing the issues of DRR through resource management, networking and sharing experiences through the workshops, continued collaborations and annual conferences.
2. Disaster risk reduction strategies of early warning and response mechanisms need to be developed through the regional and international collaboration. Regional and cross border plans should be prepared in order to address the disaster risk reduction activities of common concern amongst the neighboring countries.
3. Disaster awareness through simulations and education is highly necessary. The hazard maps, posters, pamphlets, booklets and audiovisuals should be prepared and publicized. The best practices and indigenous knowledge should be shared amongst the concerned communities and countries. Similarly, joint simulation exercises need to be carried out between collaborative teams mobilized during mega disasters within the region
4. Considering that the local people and communities are the first responders immediately to a disaster – their capacity needs to be strengthened in order to enhance the community's resilience, preparedness and response in a sustainable and cost effective way.





5. Environmental change including climate change, agricultural land depravation, waste management, pollution and urbanization requires prioritization in recognition of the magnitude of potential impact
6. It is the firm belief of the conference that the role of civil society is vital. Therefore, the respective governments should mainstream their inclusiveness within DRR strategy.
7. The governments should work and contribute to achieve the objectives of Millennium Development Goals and Hyogo Framework of Action (HFA).
8. The incorporation of DRR within curricular is essential

Action Plan – the next step:

- The Conference delegates commit to devote themselves to address the issues of DRR. We, therefore, as the common platform urge the respective governments to:
  - i. Improve community resilience, innovative urban planning, governance, capacity building and rural sustainability
  - ii. Participate within the ISDR Resilient Cities Program
  - iii. Support International strategies for preparedness, mitigation and crisis response
  - iv. Implement the World Health Assembly resolution WHA 60.62 on trauma care and emergency medical services
- That TIEMS, WHO and Conference Representatives continue to support the development of DRR strategies and initiatives where appropriate within Iraq
- That the medical practitioner delegates request that the attached appendix be considered as part of the conference recommendations to be reviewed within the context of the best practices and daily operations. [separate document]

Written and adopted on 21 September 2012 at Hotel Sheraton, Erbil, Iraq.

## TIEMS 2012 Award Winners

During TIEMS annual conference the following awards were granted:

- ***TIEMS Annual Conference 2012 Award for Best Project Presented***

***Dr. Mason Bragg***

- ***TIEMS Annual Conference 2012 Award for Best Presentation***

***Dr. Osama Abdul Hassan***

- ***TIEMS Annual Conference 2012 Award for Best Research Paper***

***Dr. Amer Al Ani***



▪ **TIEMS President's Outstanding Achievement Award for 2011**

**Stela Petrescu**

**Dr. Mohammed Shuaib**

**Dr. Shakir Katea**

There were no applicants for TIEMS Rohrmann Student Scholarship Fund in 2012.

## TIEMS Regional Conferences and Workshops in 2012

TIEMS operates as a decentralized organization where the momentum of the organization comes from chapter activity, according to the slogan "Think Globally and Act Locally". The central organization with its secretariat in Brussels is supporting and stimulating the chapters to establish chapter activity and arrange at least a workshop or regional annual conference every year.

During 2012, eight TIEMS regional conference and workshops were arranged:

1. TIEMS 2012 Workshop in Tokyo, Japan
2. TIEMS 2012 China Chapter Annual Conference
3. TIEMS 2012 Workshop in Moscow, Russia
4. TIEMS 2012 Workshop in Rome, Italy
5. TIEMS 2012 Workshop in Tokyo, Japan
6. TIEMS 2012 Workshop in Kyoto, Japan
7. TIEMS 2012 Conference in Oslo, Norway
8. TIEMS 2012 Workshop in Seoul, Korea

Brief reports and pictures from some of the events are found in the following.

### TIEMS 2012 Workshop in Tokyo, Japan

TIEMS Workshop in Tokyo gathered more than 200 participants, and TIEMS Japan Chapter was inaugurated during the workshop.



TIEMS Japan President receives the Certificate



Active work during one of the sessions



**TIEMS Japan Chapter Workshop on Resilient Asia May 22-23 2012**  
**Report and Resolution**

TIEMS Workshop on Resilient Asia and the 2011 East-Japan Earthquake was held during May 22-23 at Yotsuya Kumin Hall and Ariake Emergency Operation Centre. 234 people participated in public conference on May 22 and 77 specialists on emergency management attended the workshop. Experiences were shared about developing resilient society in Asia as well as discussed a future vision to develop Resilient Asia. The workshop ran 3 concurrent sessions; Emergency Management in the Private sector, Information Management for Emergency Management and Emergency Management in the Public Sector. From these sessions participants agreed the following points are important to establish Resilient Asia:

1. Holistic emergency management system based on risk assessment should be developed
2. Economic activities in Asian countries are dependent on each other. Therefore for Asian countries to be resilient, Emergency management system in Asia should be standardized
3. Economic impacts of Asian countries from natural hazards increase with their level of economic development
4. A country index of resilience should be developed. With outcome indexes such as "Safe Community" used
5. Unified Command System should be used for effective flood management across Asia
6. Incident Command System should be used as a doctrine for Emergency response
7. Investigation needed on good practices for promoting BCP/BCM (country level) and effective Incentives/motivations for top corporate management/leadership
8. Combination of CSR and BCP/BCM with no extra costs should be considered
9. Flexible regulatory management to promote business continuity (not hinder) is important
10. Practical system to know what is going on the underground using such as underground weather map should be developed
11. The effective and efficient implementation of disaster response measures necessitates a shared Common Operational Picture (COP). We need national/worldwide support system for having Emergency Mapping Teams
12. Whole picture of worldwide climate change effects needed. We should have "Long time view" and "worldwide view" and share the information
13. Create international certification in disaster management based on complex multi-hazard disasters occurring today
14. Involving vulnerable groups (gender, age, people with disabilities, indigenous group, etc.) in decision making and sharing knowledge for disaster risk reduction
15. Develop response system for cascading multi-hazard disasters
16. Promote policy that contributes to flat-government models in Asia rather than hierarchical model. Central government should offer flexibility and allow decentralization. Local government should support community initiatives

**TIEMS China Chapter 3<sup>rd</sup> Annual Conference**

TIEMS China Chapter Chairman invited to this conference with below statement:





**Professor Dr. Shan Chunchang**

**Distinguished leaders, experts and friends:**

We cordially invite you to attend the International Emergency Management Forum-2012 (Guangdong) in Conjunction with the 3rd Annual Conference of the International Emergency Management Society (TIEMS) China Chapter co-sponsored by the TIEMS China Chapter and Guangdong Emergency Management Society, which will be held in Guangzhou, China, on July 12, 2012. We hope that this conference will strengthen the cross-border cooperation and cross-sector interaction in China emergency management. In recent years, natural disasters and manmade accidents are posing serious challenges to human society, especially cross-border composite disasters with increasingly widespread impact. Facing the increasingly complex disaster response situation, it is particularly important to strengthen the cross-border cooperation and cross-sector interaction in the emergency management.

Therefore, this conference will be held in Guangdong as this province has made outstanding achievements in cross-border cooperation, and the theme of the conference is set as "Strengthening the Cross-border

Cooperation & Cross-sector Interaction in the Global Emergency Management".

This conference will invite the leaders, experts and scholars from government departments and emergency management institutions to carry out extensive and in-depth discussions and exchanges of latest concepts, methods and techniques in prevention and preparedness, monitoring and early warning, response and rescue as well as recovery and reconstruction for all kinds of emergencies and demonstrate the latest achievements in the field of emergency management and public safety.

In addition, we will also carry out pre-conference training on early warning, evacuation and handling of local disasters such as tsunami on July 10 - 11 and will invite well-known experts from home and abroad to give lectures. It will be the second domestic training course of the TIEMS China Chapter following the TIEMS Training (Shanghai) Demonstration Project in October 2011.

On July 13, nearly 40 government officials and experts in the industry will attend the half-day "Emergency Expert Symposia" to jointly discuss the new mechanisms and trends of emergency management interaction and cooperation and propose the solutions for the relevant problems. The secretariat of the conference will collect and issue the speeches by the experts.

Distinguished leaders, experts and friends, let us meet in Guangzhou to work together for a better future of the emergency management and public security industry!

Sincerely looking forward to your participation and support!

*Chairman of the TIEMS China Chapter  
April 2012*



The Program at TIEMS China Chapter 3<sup>rd</sup> Annual Conference:



## TIEMS 中国委员会第三届年会

THE 3<sup>rd</sup> ANNUAL CONFERENCE OF TIEMS CHINA CHAPTER

### Agenda for the 3<sup>rd</sup> Annual Conference of TIEMS China Chapter, 2012

July 12, 2012 - Guangdong Hotel, Dongfeng M. Rd., Guangzhou

*"Strengthening the cross-border cooperation & cross-sector interaction in the  
Emergency Management"*

July 12		地点
Opening Ceremony	Chair: Xue Lan, Dean, School of Public Policy and Management, Tsinghua University	International Conference Hall
09:00-09:15	Welcoming Statement--Shan Chunchang, Counselor of the State Council of China, Head of Emergency Management Expert Group under the State Council and chairman of TIEMS China Chapter	
09:15-09:20	Welcoming Statement -- Representative from TIEMS International	
09:20-09:25	Address --Leader of the State Emergency Management Office	
09:25-09:30	Address -- Leader of People's Government of Guangdong Province	
Conference Reports	Chair: Qu Guosheng, Researcher of NERSS, Vice Chairman of TIEMS	
09:30-09:50	1 Guo Huadong, Director of Center for Earth Observation and Digital Earth, Chinese Academy Sciences, Academician of CAS Topic: <b>Space Technology and Scientific Disaster Reduction</b>	International Conference Hall
09:50-10:10	2 Cheng Xiaotao, Standing vice director of the ministry of water resources and flood control drought resistant engineering technology research center Topic: <b>Thailand Floods and Enlightenment in 2011</b>	
10:10-10:30	3 Song Jiahui, Safety director of the traffic department of transportation, deputy director of the China sea rescue center Topic: <b>Transportation and Emergency Management</b>	
10:30-10:50	4 Zhang Xiaoning, Director of Emergency Management Office of Shanxi Province Topic: <b>A Primary Exploration on Emergency Guidance &amp; Organization Work for Major and Super Emergent Events - Example of Wenchuan Earthquake</b>	
10:50-11:10	Tea Break (group photo of attending leaders)	
Conference Reports	Chair: Zhang Ji, Secretary General of TIEMS China Chapter, Member of the Advisory Committee for the informatization of Beijing	
11:10-11:30	5 Ji Jiaqi, Chairman of Guangdong Emergency Management Association, Director of Emergency Management Office of People's Government of Guangdong Province Topic: <b>Introduction to Experience of Guangdong Emergency Management</b>	International Conference Hall
11:30-11:50	6 (To be determined)	

2012 国际应急管理学会 (TIEMS) 中国委员会第三届年会  
2012 年 7 月 12 日



## TIEMS 2012 Workshop in Moscow, Russia

TIEMS, CODATA and EMERCOM of Russia joint workshop during the 33 General Assembly of the European Seismological Commission was organized by Nina Frolova, TIEMS Regional Director for Europe.



Dr. Nina Frolova

During 2011- 2012, TIEMS Regional Director Europe contributed to the organization of the joint workshop “**Earthquake Loss Estimations in Emergency Mode**” within the 33 General Assembly of European Seismological Commission (ESC) “Seismology without boundaries”, 19 - 24 August, 2012 in Moscow, Russian Federation. The year 2012 is the 60th anniversary of ESC.

The main thematic areas of the ESC 2012 in Moscow were:

1. Structure of Earth’s Interior
2. Physics of Earthquakes and Related Fields
3. Earthquake Forecasting and Prediction
4. Seismicity Patterns: Natural and Induced
5. Data Acquisition and Processing
6. Artificial intelligence in geophysical data studies
7. Non-instrumental Seismology
8. Seismic Hazard, Time Dependent Hazard and Risk
9. Recent Significant Earthquakes
10. Seismology, Social Sciences, Education and Outreach

The joint TIEMS, CODATA and EMERCOM of Russia workshop was organized within the eighth thematic area “Seismic Hazard, Time Dependent Hazard and Risk”. The workshop was participated by scientists and experts in seismic risk assessment and management from different countries: China, Italy, France, Kirgizstan, Korea, Finland, UK, Greece, Germany, Haiti, Iran and Russia (program is attached). As the experience of recent disasters in Japan, Chile, Haiti, China, Italy, Indonesia, Turkey and many others gave an evidence that authorities who are responsible for emergency response are lacking prompt and reliable information on the earthquake disaster, the special attention was given to the source of uncertainties in earthquake loss simulation in emergency mode and reliability of such estimations provided by different agencies.



It was stated that main constraints on accuracy/reliability of loss estimations in emergency mode come from:

- input data (event source parameters);
- free parameters in the models used for simulation (propagation/attenuation models, vulnerability/fragility functions, population impact models);
- databases (cartographic and thematic, including inventory about elements at risk) used in loss computations.

The participants of the workshop agreed that an obvious way of improving the whole process of earthquake loss estimations in emergency mode is to confront the assessment output with the known consequences of previous events; *i.e.* data on impact of past earthquakes could help “calibrating” somehow the simulation models; furthermore, scenario earthquake approaches suffer from more or less badly-known parameters (inventory of objects-at-risk, vulnerability/fragility functions of buildings submitted to shaking, *etc.*): to a certain extent, these weaknesses can be partially mended through calibration procedure, in addition to improvement of available databases. In this respect, the information on physical and socio-economical consequences of past damaging earthquakes is very critical. At the moment, data sets on impact of past earthquakes are not readily accessible to many potential users and can hardly be directly applied for comparison with simulated results because of lack the standard formats. In this respect coordinated and international efforts should be undertaken in order to solve the problem.

The questions of organization and provision of medical support have been discussed, as well as peculiarities of dynamics and structure social loss during earthquakes with different intensity. It was mentioned that the main difficulties in scientific based logistic planning in the case of emergency due to strong earthquakes are dealt with specific peculiarities of each events, as well as with vulnerability of existing buildings stock and resources and manpower involved in medical response which result in different quantitative and qualitative characteristics of sanitary casualties (injuries). The participants noted the necessity of creation of unified classification of the earthquake - related injuries and medical registration system, which may contribute to collecting reliable information on injury structure and medico-evacuation pattern of the casualties.

During the workshop case studies about loss estimations systems in China, Russia, Kirgizstan, Germany which included description of procedures and data used for computations and results of loss computations for recent events in China, Turkey, Haiti and other countries, have been delivered and discussed. Special interest was raised by the presentation about the Chinese rapid assessment system for disaster situations (RASDIS) developed in Beijing Normal University and applied in the National Disaster Reduction Center of China as a part of the running centralized platform. The system was applied for the Yushu earthquake ( $M_s 7.1$ ) on April 14, 2010 loss estimation. The event resulted in collapsed buildings in Yushu County, Yushu Tibetan Autonomous Prefecture in Qinghai Province and caused tremendous damage in the urban areas of Gyêgu town, Qamdo, etc, with death about 3,000 people, injury about 12,000 people and damages of thousands of buildings.

In two months after the Haiti 12 January 2010 earthquake the Sismo-Haiti project, supported by the Technical University of Madrid, started as an answer to a required help by the Haiti government. The damage data obtained after the 2010 earthquake has been used to



calibrate the validity of the capacity and fragility curves by choosing an appropriate ground motion relationship. Additionally, the influence of other ground motion relationships has been discussed and used for the scenario earthquake computation for the country. It was mentioned in the talk of Spanish and Haiti scientists that the seismic risk for Port-au-Prince remains high in most of the districts, showing very vulnerable areas.

Therefore the local authorities have to drive their efforts towards the quality control of the new buildings, the reinforcement of the existing building stock, the establishment of seismic standards and the development of emergency planning also through the education of the population. The efforts on creation of natural co-seismic effect database delivered during the workshop had definite interest. Based on our IS, the database contains information on landslides and rock falls, liquefactions including buried forms called seismites, primary and secondary brittle deformations, hydrogeological anomalies, sinks, anomalous waves and other less significant effects, as well as instrumental earthquakes that occurred during 1950–2008 on area bordered by 42°–62°N and 80°–124°E. This territory covers north-east of Kazakhstan, Mongolia and almost all southern sector of Siberia in Russia.

## TIEMS Workshop in Rome, Italy



Dr. Sandro Bologna

TIEMS Workshop in Rome, Italy on Emergency Management for Critical Infrastructure Crisis, was organized by Sandro Bologna, who also launched TIEMS Italy Chapter during the workshop, and recruited members and a leadership of the Chapter, which was registered in Italy 4<sup>th</sup> February 2013.

The Workshop Program is found below:







## INTERNATIONAL WORKSHOP ON EMERGENCY MANAGEMENT FOR CRITICAL INFRASTRUCTURES CRISES

04 October 2012

ENEA Headquarters, Lungotevere Tahon di Revel 76, Rome

The Workshop is aimed at exploring new challenges posed by Preparedness Plans and Emergency Management for Critical Infrastructures Crises. The issue of major incidents (natural disasters, cyber attacks, terrorist attacks) that have had an impact on critical infrastructures and the difficulties to get-by, to resist, to recover and eventually rebound from those incidents is of actuality. Special attention will be paid to new threats, vulnerabilities and suitable defensive strategies to prevent, mitigate and manage the emergencies.

The objective of the Workshop is to bring together experts, emergency managers, technology suppliers, infrastructure specialists and stakeholders, with different cultural and scientific backgrounds, to address and analyze the following aspects:

- Proposing methods and tools to analyze and understand new risks and vulnerabilities.
- Providing practical solutions to reduce and mitigate potentially dangerous consequences of outages.
- Identifying strategies and tools to support emergency managers during critical events.

9.30 REGISTRATION & Welcome Coffee

10.00 WELCOME

10:15 K. Harald Drager – TIEMS (Norway) *TIEMS Activities on Emergency Management*

10:45 Sandro Bologna – AIIC (Italy) *New Challenges on Critical Infrastructures Protection*

11:00 Cristina Leone – SERIT (Italy) *Security, a new Dimension of CIP*

11:15 Merle Missoweit – FRAUNHOFER (Germany) *Results from ACRIMAS Project*

11:40 Nicola Iarossi – EOS (Belgium) *Results from CRISYS Project*

12:00 Alessandro Annunziato – JRC (Italy) *JRC European Laboratory for Crises Management*

12:20 Vittorio Rosato – ENEA (Italy) *ENEA Support Tools for Crises Prediction and Management*

12:40 Gaetano Condorelli – ENEL (Italy) *Electricity Operator experience on Crises Management*

13:00 Lunch Break

14:30 Vinicio Pelino – CNMCA (Italy) *The Role of Weather Forecast*

14:50 Luigi D'Angelo – DPC (Italy) *Italian Experiences on Emergency Management*

15:10 Carmelo Di Mauro – Lombardy Region (Italy) *The Public-Private Partnership for Critical Infrastructure Crisis Management in Lombardy Region*

15:30 Chaim Rafalowski – MDA (Israel) *Planning for disasters: the use of a simulation tool (CRISMA project)*

15:50 Johannes Sautter – FRAUNHOFER (Germany) *Results from SECUR-ED Project*

16:10 A. M. Birk – Queen's University (Canada) *Intentionally Staged BLEVE as a Threat to CI*

16:30 J.P. Monet – French Fire Brig. (France) *A robotic solution for CBRN Defence dedicated to CI*

16:50 K. Harald Drager – TIEMS (Norway) *How to set up an Italian TIEMS Chapter*

17:10 End of the Workshop

For security reasons registration is requested before the Workshop at:

[http://editors.enea.it/it/enea\\_informa/events/infrcritiche4ott12/international-workshop-on-emergency-for-management-for-critical-infrastructures-crisis](http://editors.enea.it/it/enea_informa/events/infrcritiche4ott12/international-workshop-on-emergency-for-management-for-critical-infrastructures-crisis)

## TIEMS Oslo on Space Weather and Challenges for Modern Society

TIEMS Oslo Conference took place in Oslo 22 – 24 October 2012.





Illustration: NASA

An international space weather conference was held on 22 - 24 October 2012 in Oslo, Norway. The Conference was organized by The International Emergency Management Society (TIEMS), in cooperation with the Norwegian Space Centre, the Norwegian Water Resources and Energy Directorate, Norwegian Statnett, Finnish Meteorological Institute, Danish Meteorological Institute and Swedish Institute of Space Physics.

Leading international experts from ESA, NASA, NOAA, the US Department of Homeland Security, Norwegian Water Resources and Energy Directorate (NVE) and Swedish Civil Contingencies Agency (MSB), and many other institutions and organizations were speaking at the conference.

The conference included a basic introduction to space weather and solar activity in the past, present and potential challenges for the future.

Better arenas for cross border cooperation were a topic addressed by several speakers. The activities and initiatives from NOAA, NASA, ESA and international partners around the globe were outlined. Predictions, warnings, and preparedness/response were discussed, and services provided by Solar Influences Data Analysis Center (SIDC) in Belgium, NOAA Space Weather Prediction Center (SWPC) and Radio and Space Services (IPS) in Australia were presented. A main focus of the meeting was on impacts to the electric power infrastructure, but effects on navigation, communication, and satellites were also discussed.

A detailed historical summary of understanding of coronal mass ejections (CMEs) was given: what triggers them and the acceleration of particle showers, and how CMEs can be forecast, and modeling the geomagnetic response. The need to better understand the topology of the driving mechanisms of flares and CMEs was highlighted. This requires detailed observations of the magnetic structure below and above the solar surface. High resolution data from Solar Dynamics Observatory (SDO), both photospheric and coronal data, show many occasions in which solar storms trigger each other, even over distances comparable with the solar diameter. This triggering is sometimes immediate and at other times there is a delay associated with the Alfvén speed.





*Dr Pål Brekke doing his popular science lecture on space weather - A Beauty and a Beast*

Expected and observed effects on electric power supply and oil and gas exploration activities were discussed in detail. Approaches to analyze effects of CMEs on electrical transmission systems in South Africa were presented. Evidence of degradation of power transformers, leading to breakdown within one year after the Halloween geomagnetic storm in 2003, was reported. Effects and how to avoid voltage collapse in the North American power system were given by the North American Electric Reliability Corporation (NERC). Modeling, mitigation and monitoring of GIC in the UK was presented by National Grid UK. In geophysical prospecting, directional drilling can be disturbed by geomagnetic storms, and a monitoring system designed to make corrections or give warning to drilling operators are operative in Norway and were discussed at the conference.

Statnett in Norway has monitored GICs since the 1990's and no serious GIC disturbances have occurred in Norway to date. Hydro One, a transmission and distribution company, based in Ontario, Canada, presented a comprehensive geomagnetic disturbance (GMD) management system, including monitoring, simulation and mitigation measures. This work is done in close collaboration between space scientists, geophysicists and power engineers. NICT, Japan, presented results from GIC measurements between 2005 and 2008.

The effects from a super storm and how to prepare for them were also discussed. How strong was the Carrington event compared to more recent events and what are the limits of extreme space weather? The Carrington event in 1859 appears the largest on flare intensity and geomagnetic storm effects while the radiation dose received during the March 1989 event seems larger. Natural Resources Canada discussed the consequences of super storms on the power grids and presented a detailed analysis of the March 13, 1989 magnetic storm. Eskom Power Company in South Africa presented measures taken to monitor disturbances and avoid grid collapses during magnetic storms.

Society's ability to withstand short and long term shut down of critical infrastructure was also a topic of the meeting. The potential consequences of severe space weather events have become more severe due to the rapid development of complex and interconnected continental electrical power transmission grids, global positioning systems and satellite



technology. More specific risk profiles are needed to guide preparedness work, and several governments and the EU Commission have started such analyses. Although the effects of severe space weather on the US power grid remain a topic of intense discussion, one presentation suggested that less severe space weather causes disturbances on the U.S. power grid which are normally not attributed to space weather. It was suggested that 4 to 9 percent of all reported U.S. grid disturbances are in fact associated with such activity. This would mean an average annual cost to the US economy of around 3 billion dollars.



*Mayor of Oslo, Fabian Stang, welcomes the participants to Oslo Town Hall*

A discussion of the strategies and appropriate response/prevention measures to mitigate space weather brought up several important issues. The importance of coordination and cooperation both nationally and internationally was emphasized. In all emergency situations information is vital to make the right decisions and to handle the situation effectively. The information that can be supplied from a reliable space weather forecast service center, such as the NOAA SWPC, was presented, and the importance of a reliable space weather forecast service as an early warning system was highlighted. NATO as a military defence organization has developed preparedness plans and action plans for several emergency scenarios that can be relevant also for emergency situations caused by geomagnetic storms. Preparedness and crisis management plans are of no value unless the relevant people take the time to conduct regular training and testing of established practices.

Many of the presentations and discussions focused on possible super storms and their potential effects on society. However it was also stressed that “ordinary” solar storms and unsettled space weather should not be forgotten. NOAA illustrated this by reporting that a large number of their customers benefit by receiving, and acting upon, their space weather products. Thus, it is important to cover all aspects of space weather since many users are affected frequently. Examples include the large number of users dependent on high precision positioning and radio communication in polar-regions (e.g. airlines).

Above conference report was provided for inclusion in a Space Journal by Pål Brekke (Norwegian Space Centre), Roger Steen (Norwegian Water Resources and Energy Directorate), Terry Onsager (SWPC/NOAA), Peter Wintoft (Swedish Institute of Space



Physics), Alf Olausen (Statnett), Risto Pirjola (Geomagnetic Laboratory, Natural Resources Canada), Peter Stauning (Danish Meteorological Institute), Bengt Sundelius (Swedish Civil Contingencies Agency), Trond Ohnstad (Statnett), Luis Marti (Hydro One).



*Samatha Ueno leads the panel debate with some of the Keynote speakers*

*From left: Trevor Gaunt (South Africa), Mike Haggood (UK), Joseph Davila (USA), Roger Steen (Norway), Terry Onsager (USA) and Alf Olausen (Norway)*

The conference presentations are found in TIEMS Library: <http://www.tiems.info/About-TIEMS/tiems-library.html>

## TIEMS Workshop in Korea



TIEMS Workshop in Korea was arranged 31<sup>st</sup> October 2012 with Dr Young-Jai Lee as host from TIEMS Korea Chapter.

The program is found below, and the presented papers are found in TIEMS Library on TIEMS Web-page: <http://www.tiems.info/About-TIEMS/tiems-library.html>





### 2012 Disaster and Safety Management Policy Seminar

Theme : "Who Is Hurting Us?"

Date : October 31, 2012 (Wednesday) 13:30PM ~ 18:00PM

Location : Korea Seoul Youth Hostel (Near Namsan Mountain)

Organizer: TIEMS KOREA CHAPTER

Partners : Korean Society of Societal Security  
Association of Business Continuity & Disaster Mitigation  
Green Safety Forum

#### Program

Key Address: Future policy on Safety and Disaster and Safety Management

Section 1 Disaster Management

Section 2 Safety Management

Section 3 Green Safety Management

Korean Society of Societal Security Secretariat

Tel : +82-2-720-3406

http : // [www.dssms.org](http://www.dssms.org)

e-mail : [kor3s@daum.net](mailto:kor3s@daum.net)

## TIEMS Workshops in Japan

In addition to TIEMS Japan inauguration workshop in May 2012, TIEMS Japan Chapter arranged two more workshops in Japan during 2012:



1. First workshop took place October 17<sup>th</sup> 2012 on "ICS for private and public sectors; Upgrading Capability for Emergency Management".
2. Second Workshop took place in Kyoto October 18<sup>th</sup> 2012 on "The 3.11 East Japan Earthquake Disaster; Learning from 9.11 recovery",

For more information on these workshops, please contact Norio Maki in TIEMS Japan Chapter at: [maki@drs.dpri.kyoto-u.ac.jp](mailto:maki@drs.dpri.kyoto-u.ac.jp)

## TIEMS Newsletters in 2012

TIEMS issued two newsletter editions in 2012:

- Issue no 15:  
March 2012



This issue covered the announcement of TIEMS annual conference 2012 in Erbil, Iraq, the Declaration from TIEMS annual conference 2011 in Bucharest, a description of TIEMS member benefits, an article by Dr Nicolae Steiner on the professionalization of disaster medicine practitioners, announcement of the space weather conference in Oslo, an article by Dr Nicolae Steiner & al, on contributions to stimulate the trans-boundary effects of an earthquake with an epicenter in Vrancea area on population and medical system in Romania and in the republic of Moldova, congratulation to the International Ocean Institute of their 40<sup>th</sup> anniversary, announcement of the disaster resilient communities conference in Melbourne, Australia, announcement of a round table workshop in Bulgaria on good practice at maritime search and rescue, introduction on TIEMS – QIEMD education, training and certification program, introduction of an international TIEMS course on management training for emergency situations in rural communities to be held in Dambovită county in Romania, an



article by Garry de la Pomerai on prediction is still only an evolving science- don't expect too much yet, announcement of the 7<sup>th</sup> international conference on critical information infrastructures security in Lillehammer, Norway, announcement of the final ACRIMAS workshop in Brussels, Belgium, announcement of the workshop on earthquakes loss estimations in emergency mode in Moscow, Russia, and an article by Alex Fullick on exercising BCM plans – a state of mind.



■ Issue no 16:  
October 2012

This issue covered the declaration from TIEMS annual conference in Erbil, Iraq, presented the new TIEMS directors elected in TIEMS AGM in Erbil, Iraq, announcement of the final program of TIEMS international workshop in Rome, Italy on emergency management for critical infrastructure crisis, announcement of the final program for TIEMS space weather conference in Oslo, Norway, report from the TIEMS Japan inauguration workshop in Tokyo, Japan in May, 2012, report from TIEMS training course in Dambovită county in Romania in June 2012, an article by Sandro Bologna on emergency management for critical infrastructure crisis, report from TIEMS China Chapter training course in Guangzhou, China in July 2012, report from TIEMS Young Scientist network, introduction of ANDROID (academic network for disaster resilience to optimize educational development) created by EU, introduction to TIEMS on Twitter and Facebook, a report by Steven Jenkins from Australian Institute of Emergency Services rewards - Excellence and Dedication, an article by Wen-Chi Lai & al on the management of mitigation and reconstruction for the hazardous catchment areas in Taiwan, report from CODATA, EMERCOM and TIEMS joint workshop in Moscow, Russia in August 2012,

All newsletters can be downloaded from TIEMS web-site at:

<http://www.tiems.info/About-TIEMS/tiems-newsletter.html>





## TIEMS New Chapters

The following TIEMS Chapters were established in 2012:

- Japan Chapter
  - ✓ Contact person: Norio Maki
  
- Italy Chapter
  - ✓ Contact persons: Sandro Bologna, Carmelo Di Mauro and Alessandro Lazari

A dialogue is opened for establishing chapters in Indonesia, Thailand, Taiwan, Nigeria, Nepal, Turkey, Tunisia, Pakistan, Germany, Iran, Spain, France, Australia, South Africa and North America. Special focus will be on Latin America and Caribbean, Africa and Australia, New Zealand and Oceania in the coming year, to see if the first chapters can also be established in these regions. However, TIEMS members from all countries and regions are welcome to take the initiative to establish chapters in their own region//country.

## TIEMS International Education, Training and Certification Program

TIEMS launched formally its International Education and Training Program in Emergency and Disaster Management at the end of 2011. TIEMS motivation is expressed below:

1. Put international focus on the profession of Emergency and Disaster Management
2. Contribute to an international standard in education, training and certification in Emergency and Disaster Management
3. Contribute to the education in Emergency and Disaster Management by promoting the state of the art in technology, systems and methods available
4. Contribute to education at all levels, from policy documents to courses in primary school education
5. Establish a TIEMS Certification of Qualifications in International Emergency and Disaster Management
6. Contribute to capacity building in countries where little or no education and training in this field is available
7. Recruit international teachers and trainers to TIEMS Pool of International Teachers and Trainers

TIEMS slogan behind this effort is:

***Preparedness saves lives!***

The structure of TIEMS Education Program is:

1. TIEMS Pool of International Teachers and Trainers with related courses
2. TIEMS Training Workshops worldwide run by TIEMS Chapters



3. TIEMS QIEMD Certification of Qualifications in International Emergency and Disaster Management

The progress and status is described in the following.

### TIEMS International Pool of Teachers and Trainers

TIEMS has recognized an increasing worldwide need for qualified international teachers and trainers with up-to-date courses on various subjects in emergency and disaster management, and TIEMS has accordingly built up a Pool of International Teachers and Trainers which counts 18 international experts by the end of 2012:

<i>K. Harald Drager</i> Norway	<i>Cerasela Tanasescu</i> Romania	<i>Garry de la Pomerai</i> UK	<i>Dusan Zuptka</i> Slovakia
<i>Guosheng Qu</i> China	<i>Nicolae Steiner</i> Romania	<i>Jack (Ji) Zhang</i> China	<i>Andriciu Radu</i> Romania
<i>Jaroslav Pejcoch</i> Czech Republic	<i>Gideon F. Mukwai</i> Singapore	<i>Naill Momani</i> Jordan	<i>Stanley Goosby</i> USA
<i>Fausto Marincioni</i> Italy	<i>Tavida Kamolvej</i> Thailand	<i>Anat Ruangrassamee</i> Thailand	<i>Jim Hagen</i> USA
<i>Dan Manastrieanu</i> Romania	<i>Robert Sunde</i> Norway		

The experts joining TIEMS International Pool of Teachers and Trainers have to fill out their bio and course in a template as shown for Garry de la Pomerai in the following pages. He has already represented TIEMS Education Program in an ICDO course held in Morocco in November last year in cooperation with Naif Arab University for Security Sciences.

All TIEMS teachers and trainers need to be a TIEMS paid member in good standing.

All bios and course descriptions can be found at: <http://tiems.info/tiems-poolk.html>

We encourage more international experts to join TIEMS international pool of teachers and trainers in 2013.



## TIEMS International Pool Teacher & Trainer Biography

**Name:** *Garry de la Pomerai*

**Position:** *Independent UN DRR  
Consultant /+ CEO*

**Organization:** *'SOLUZION Systems'*  
*VVSC FZ LLC RAK*  
*UAE*

**Date of Birth:** *01.04.1959*

**Nationality:** *British*

**Mobile:** *+44 7845529211*

**E-mail:** *soluzioninfo@aol.com*



### **Biography:**

Garry de la Pomerai is Co-Director of the "SOLUZION" brand Company 'VVSC-FZ-LLC' based in UAE, developing and marketing state of art Chinese Early Warning and International Communication and Modelling systems for Earthquakes, Tsunamis, Floods and Landslides, along with introducing earthquake 'reliable prediction' science. The company also provides a variety of state of art Environmental solutions addressing water sustainability, agricultural enhancement and air, ground and water pollution and desalination, all using long established Russian Magnetic Technologies based in UAE. He is an independent DRR Consultant to a variety of United Nations Agencies and INGO's and Government advisory boards; supporting the UNISDR Resilient Cities programme and the UNESCO/INRULED Education for Rural development and sustainability. He is a member of the UN ISDR Multi Agency TPKE Thematic Platform for Knowledge and Education and a co-founder of COGSS-DPE Coalition for Global School Safety Disaster Prevention Education and remains a consultant to the UNCRD in Japan for Asia/Pacific Region and a member of the UNICEF MENA Middle East and North Africa Consultancy pool.

He is Chairman of the United Nations UNESCO Global Task Force for Building Codes. He also supports the IPRCC in the Chinese work for integration of policy between Poverty Reduction and Disaster Reduction, and is an advocate to address Environmental Change within our fast growing urban environments, equally considering our fragile rural environment provision of food, water and material resources. He is still required to provide specialist training to emergency response units in London and occasionally develops and delivers bespoke training courses for the UK Health and Safety Industry. He was a USAR Technician for 12 years attending rescues within earthquakes and aftermaths of Tsunamis; and has worked within the UK Security Industry, including head of an International US Corporate Company's European HQ Security team during which period he studied a Masters Degree in 'Security and Risk Management'. In the 80's Garry was CEO of a UK Construction Company and of a regional Industrial Skills Training Company developing 'the Modern Modular' training format for the UK Government; and for 8 years was an Elected Member sitting on Provincial and Regional Council Authorities within the UK and an advisor for central government Ministerial Committees. From front line Disaster Rescue, to Politics and Training and Security experience combined with front line Disaster Risk Reduction strategic planning within the UN and developing state of art technology Early Warning and Environmental solutions, Garry offers comprehensive 'lateral' experience to address many of today's modern DRR challenges.



## TIEMS International Education Program Course

**Teacher & Trainer:** *Garry de la Pomerai*

**Title of Course:** *Integration of Early Warning into DRR strategies, Early Warning Technology and Application*

### Course content:

This course introduces the challenges of implementing new Early Warning technologies within society. The course will review scenarios and examples in which students/attendees are able to demonstrate and develop their knowledge and understanding of the challenges and potential solutions.

### Topics Include:

- A review of our understanding of the term 'early warning'
- Identifying the differentials between times scales of real time early warning to prediction
- To address the 'perception' of risk within society and understand risk assessment methodologies
- To review natural disasters from which we can learn lessons
- Existing early warning systems, both technological and indigenous community systems
- Understanding complex disaster scenarios requiring advanced and real time warning mechanisms
- Introduce the social science challenges of implementing early warning systems into society
- How Governments need to learn how to receive Early Warning and Prediction information
- Protocols and SOPs within early warning information dissemination strategies
- Prioritisation of information dissemination with differing sectors of society
- Basic Sector requirements for receiving early warning information, from NDMAs, to Governments to critical infrastructure to schools, hospitals and communities
- Developing Strategies for installing early warning systems; where to start
- Integration between different early warning systems
- To review what requirements maybe applicable to the coarse delegates
- Incorporating Early Warning and Prediction science within a DRR strategy

### Objectives:

- To understand early warning science, its objectives and potential consequences within society
- To realize the benefits of early warning systems and the challenges of poor implementation
- To understand the need for preparing communities and critical infrastructure and most importantly Administrations on how to receive and use early warning and reliable prediction information
- To learn about the initial stages of incorporating early warning technology in to a disaster reduction strategy, understanding the first steps of integration.
- To review the consequences of getting it wrong and understanding what makes a firm foundation for future early warning and prediction technology advancements
- To appreciate the need for a 'new approach' to drills and exercises within all sectors of society
- To address the multiple options for messaging, its dissemination and its responses within the various sectors of society through a table top exercise
- To understand evaluation processes of indentifying successful early warning systems, their gaps and how to enhance systems from community to NDMA.



## TIEMS Chapter Training

The first TIEMS chapter training course was arranged by TIEMS China Chapter in Shanghai, prior to TIEMS China Chapter 2011 annual conference. In 2012, three Chapter training workshops were arranged:

1. TIEMS Romania Chapter *Training in Dambovita* in Romania
2. TIEMS China Chapter *Training Workshop* in Guangzhou, China
3. TIEMS Iraq Chapter *Training Workshop* in Erbil, Iraq

## Training in Dambovita, Romania

" Preparation Of Voluntary Services Chiefs From Rural Comunities For Management Of Emergency Situations Created By Disasters "

DAMBOVITA, ROMANIA: 22 JUNE - 24 JUNE 2012

The course was attended by 114 participants, most of them from Emergency Management Services from local villages around Dambovita and from private emergency services and one attendee from Nigeria. The course was designed with the highest standards and was facilitated by world class lecturers able to convey complex ideas and Global Emergency Management concepts. Participants felt it was an effective and memorable experience.

As can be seen from the following photo, the Dambovita, Romania Emergency Management course was well attended.



At the end of the course - "PREPARATION OF VOLUNTARY SERVICES HEADS FROM RURAL COMUNITIES FOR MANAGEMENT OF EMERGENCY SITUATIONS CREATED BY DISASTERS " - a post-course evaluation questionnaire was provided to all participants. This enabled the course participants to evaluate the success level of the course



and provided insight to course organizers on how well knowledge and skills were conveyed and retained by attendees. The survey was designed using a multiple choice format.

The questions themselves were designed to help evaluate the various course materials and test the level of knowledge that course participants obtained and retained through their experience with the various course components and topics.

The course environment was designed to create a relaxed atmosphere that ensured participants were able to maintain focus and attention. The course itself was designed to enable the transference of complex subject matter in an easily understandable manner. This approach helped, not only to communicate complex matters, but also to enable attendees to understand various methods of response to situations they may be faced with. Course materials were not limited to lecturers, but included power point slides and films; all provided valuable insight and references for course participants.

This approach also helped transfer the idea that the same situations can occur throughout the globe and the materials presented did not just focus on the local communities but situations and occurrences that have significant consequences on an international scale. A multi-faceted library of examples helped stress ideas and communicate mitigation and responses that can be leveraged.

All these methods provided an elevated level of educational learning during each course day; a positive signal for maintaining readiness and acquiring knowledge, while achieving course objectives.

Maintaining a constant level of interest is a key strength in service quality training and development, where skill and knowledge transference is core.

The course program is shown below:

INTERNATIONAL EXCHANGE PROGRAM TIEMS

"PREPARATION OF VOLUNTARY SERVICES HEADS FOR RURAL COMMUNITIES EMERGENCY SITUATIONS CREATED BY DISASTERS MANAGEMENT"

PERIOD	PROGRAM	LECTURER	POSITION / INSTITUTION
Day 1 ..... 14,00-19.00	Opening Program.  1. Activities And Organizations Worldwide In Emergency And Crisis Response And Management of Disasters	Kare-Harald Drager	President TIEMS International Teacher TIEMS
	2. Global Emergency Management Concepts Case Studies and Practical Examples. Debates. Consultations	Prof. James Hagen	International Teacher TIEMS



Day 2 .....	3. Current Picture Of Crisis Management In EU.	Prof Univ. Dr. Dan Mănăstireanu	International Teacher TIEMS
9.00 to 14.00	4. The VULNERABILITY IN RURAL COMMUNITIES EMERGENCY	Prof. Dr. Nicolae Steiner  NATO International Expert in Disaster Medicine;	International Teacher TIEMS  Responsible for preparing TIEMS Romania Course
	5. IDENTIFICATION AND RISK ASSESSMENT OF HAZARDS IN A COMMUNITY		
	6. PLAN COVERAGE ANALYSIS AND RISK IN ADMINISTRATIVE AND TERRITORIAL UNIT  Case studies and practical examples.  Debates. Consultations		
Day 3 .....	7. CONCEPTS OF DISASTER RISK REDUCTION	Dr. Marcu Carmen	Deputy Director of Emergency County Hospital Mumbai
9.00 to 14.00	8. REDUCTION OF NEGATIVE EFFECTS OF SPECIFIC HAZARDS.	Prof dr. eng Ion Popa, PhD	International Teacher TIEMS
	9. MONITORING, ASSESSMENT AND RISK REDUCTION		
	10. PSYCHOLOGICAL BEHAVIORAL OF POPULATION		
	FINAL EXAM		

The results of the evaluation questionnaire completed by attendees, showed that the majority felt they acquired a solid level of knowledge and skills, which denotes that the educational objectives for the course was achieved.

Though there were many attending the course, the venue and facilitators provided a relaxed atmosphere, which helped facilitate the transfer of knowledge and skills from the teachers to the attendees even when communicating complex issues and topics. This relaxed and open forum greatly contributed to a successful knowledge transfer through out the course.

#### Conclusions and Recommendations

- a. In order to ensure a balanced distribution of knowledge it's recommended that participants receive course materials on a CD; also containing useful guidelines and good practices, which may be useful for participants upon their return to their respective places of employment.
- b. It is recommended to send an invitation to participate in the courses to GIES (General Inspectorate for Emergency Situations in Romania) to help bolster the course and course materials and open up participation to an international level.



- c. There is a desire to develop specific topics of interest that can focus on specialized Emergency and Disaster Management subjects. This would allow for many participants to attend single-day courses that meet their specific needs.
- d. All course participants were awarded a diploma of graduation by TIEMS International for attending the course.

Prof. Dr. Nicolae Steiner, TIEMS International Teacher

## Training Workshop in Guangzhou, China

TIEMS QIEDM Training Project was successfully carried on in Guangdong Building, Guangzhou during July 10-11. This training project was co-sponsored by TIEMS and TIEMS China Chapter, and about 100 learners came from different level of China government emergency management offices and other emergency organizations took part in the project. TIEMS experts including Prof. James Hagen, Director of TIEMS North American Chapter, Prof. Young Jai Lee, TIEMS Korean Chapter, Prof. Shan Chunchang, Prof. Qu Guosheng, Dr. Zhang Ji from TIEMS China Chapter gave lectures and made the training project impressive and successful.

The training topics involved recent development on international emergency management, China's emergency management development and prospect, EMDR case study and other courses.

The training project made the learners understand better the prospect of international emergency management and development, and broadened their vision in emergency disposal. With the successful experience, TIEMS China Chapter will continue to promote the QIEDM training projects, try to build a platform on learning international advanced ideas, methods and high-technology, help China government to further improve in the crisis management and emergency response.

Below shows a picture of the workshop participants and teachers:







*Training Venue*

The TIEMS QIEDM Training Course of the 3<sup>rd</sup> Annual Conference of  
TIEMS China Chapter

Time	Lecturer	Training Contents
July 10, 2012 08:30-08:40	Opening Ceremony	
	Chair: Zhang Ji	
	Address	Vice president of TIEMS
	Address	Head of Guangdong Emergency Management Office
July 10 08:40-10:40	Shan Chunchang	How to improve the capabilities to manage risks and crises
July 10 10:40-12:10	James Hagen(the U.S.)	Emergency Management Introduction-Principle and Practice 1
July 10 12:10-13:30	Lunch	
July 10 13:30-15:30	James Hagen (the U.S.)	Emergency Management Introduction-Principle and Practice 2
July 10	Tea Break	



15:30-16:00		
July 10 16:00-18:00	Young Jai Lee (South Korea)	Building a Global Framework for Disaster Technology and Information Sharing
<b>Day -II</b>		
July 11, 2012 8:30-10:30	Ji Jiaqi	Introduction of Emergency Management Experience in Guangdong
10:30-12:00	Chen Rong	Inheriting and Carrying forward China's Disaster Prevention and Emergency Response Culture
12:00-13:30	Lunch	
13:30-15:00	Zhang Ji	Introduction to New Trends and New ICT Technologies in International Emergency Management
15:00-15:30	Tea Break	
15:30-17:00	Qu Guosheng	New tech in earthquake Emergency Management and Disaster Reduction
17:00-18:00	Presenting the training certificates	
	Chair: Qu Guosheng	
	Shan Chunchang/James will present the certificates to the trainees and have a photo taken as a memento	

## Training Workshop in Erbil, Iraq

### Emergency Medicine

Day 1 16 <sup>th</sup> September	Hall A	Teacher
08:30 – 09:00	Registration	
09:00 - 11:00	Pediatric Emergencies	Dr. Ross + Manson
11:00 - 11:30	Coffee break	
11:30 - 13:30	Pediatric Emergencies	Dr. Ross + Manson
13:30 – 14:30	Lunch	
14:30 – 16:30	Pediatric Emergencies	Dr. Ross + Manson



16:30 – 17:00	Coffee break	
Day 2 17 <sup>th</sup> September	Hall A	Teacher
08:30 – 09:00	Registration	
09:00 - 11:00	Mass casualties management	Dr. Ross + Manson
11:00 - 11:30	Coffee break	
11:30 - 13:30	Mass casualties management	Dr. Ross + Manson
13:30 – 14:30	Lunch	
14:30 – 16:30	Mass casualties management	Dr. Ross + Manson
16.30 – 17:00	Coffee break	
Day 3 18 <sup>th</sup> September	Hall A	Teacher
08:30 – 09:00	Registration	
09:00 - 11:00	Airway management	Dr. Holstrater.
11:00 - 11:30	Coffee break	
11:30 - 13:30	Airway management	Dr. Holstrater.
13:30 – 14:30	Lunch	
14:30 – 16:30	Airway management	Dr. Holstrater.
16:30 – 17:00	Coffee break	

### Emergency Medicine

Day 1 16 <sup>th</sup> September	Hall B	Teacher
08:30 – 09:00	Registration	
09:00 - 11:00	F.A.S.T	Dr. Mariwan
11:00 - 11:30	Coffee break	
11:30 - 13:30	F.A.S.T	Dr. Mariwan
13:30 – 14:30	Lunch	
14:30 – 16:30	F.A.S.T	Dr. Mariwan
16:30 – 17:00	Coffee break	
Day 2 17 <sup>th</sup> September	Hall B	Teacher
08:30 – 09:00	Rgeistration	
09:00 - 11:00	Intensive Care	Dr. Waleed Ansari + Muayed + Dr.Hayat
11:00 - 11:30	Coffee break	
11:30 - 13:30	Intensive Care	Dr. Waleed Ansari + Muayed + Dr.Hayat
13:30 – 14:30	Lunch	
14:30 – 16:30	Intensive Care	Dr. Waleed Ansari + Muayed + Dr.Hayat
16:30 – 17:00	Coffee break	
Day 3 18 <sup>th</sup> September	Hall B	Teacher
08:30 – 09:00	Registration	
09:00 - 11:00	Toxicology	Dr. Hussein
11:00 - 11:30	Coffee break	
11:30 - 13:30	Intensive care	Dr. Waleed Ansari + Hayat



13:30 – 14:30	Lunch	
14:30 – 16:30	Intensive care	Dr. Waleed Ansari + Hayat
16:30 – 17:00	Coffee break	

### Emergency and Disaster Management

Day 1 16 <sup>th</sup> September	Hall C	Teacher
08:30 – 09:00	Registration	
09:00 - 10:00	Introduction to TIEMS Education, Training and Certification Program – TIEMS QIEMD Certification	K. Harald Drager
10:00 - 11:00	Introduction to Disaster Management Conceptual Frameworks and Theoretical Models – Identifying Operational Needs	Laura-Madalina Spataru
11:00 - 11:30	Coffee break	
11:30 - 12:30	Decisions in Emergency Response	Gideon F. Mukwai
12:30 – 13:30	Integration of Early Warning into DRR strategies, Early Warning Technology and Application	Garry de la Pomerai
13:30 – 14:30	Lunch	
14:30 – 15:30	Disaster Modeling “terrorist attacks”	Jaroslav Pejcoch
15:30 – 16:30	Decisions in Emergency Response	Gideon F. Mukwai
16:30 – 17:00	Coffee break	
Day 2 17 <sup>th</sup> September	Hall C	Teacher
08:30 – 09:00	Registration	
09:00 – 10:00	Disaster Modeling “terrorist attacks”	Jaroslav Pejcoch
10:00 - 11:00	Decisions in Emergency Response	Gideon F. Mukwai
11:00 - 11:30	Coffee break	
11:30 – 12:30	Integration of Early Warning into DRR strategies, Early Warning Technology and Application	Garry de la Pomerai
12:30 - 13:30	Disaster Modeling “terrorist attacks”	Jaroslav Pejcoch
13:30 – 14:30	Lunch	
14:30 - 15:30	Disaster Management	Laura-Madalina Spataru
15:30 – 16:30	Integration of Early Warning into DRR strategies, Early Warning Technology and Application	Garry de la Pomerai



16:30 – 17:00	Coffee break	
Day 3 18 <sup>th</sup> September	Hall C	Teacher
08:30 – 09:00	Registration	
09:00 - 10:00	Disaster Management – Tools and Tactics	Robert Sunde
10:00 - 11:00	Earthquake Disaster Prevention Strategies in Nepal and Beyond	Meen Chhetri
11:00 - 11:30	Coffee break	
11:30 – 12:30	<p>Introduction to Group Work (10 min) 5 groups meet up identifying issues guided by instructors on:</p> <ol style="list-style-type: none"> <li>1. Models and Information flows</li> <li>2. Risk Assessment and DRR Policies</li> <li>3. Importance of Preparedness</li> <li>4. Lessons learned</li> <li>5. DM Action Plan for Effective DRR</li> <li>6. Optimize Patient Logistics</li> <li>7. Resource Platform Collaborations</li> </ol>	<p>Garry de la Pomerai Jaroslav Pejcoch Laura-Madalina Spataru Stela Petrescu Gideon F. Mukwai Meen Chhetri Robert Sunde Garry de la Pomerai</p>
12:30 – 13:30	Each Group Present to Plenary (10 min each)	Group Leaders
13:30 – 14:30	Lunch	
14:30 – 16:00	Instructors Panel (10 min each) Questions and Answers	<p>Moderator: Garry de la Pomerai</p>
16:00 – 16:30	Conclusions and Sum-up	K. Harald Drager
16:30 – 17:00	Coffee break	

## TIEMS International Certification - TIEMS QIEDM

TIEMS believes there is a need for an international standard in emergency and disaster management training and education, and is launching TIEMS – QIEDM - Certification of Qualifications in International Emergency and Disaster Management, as a global concept to establish such a standard.



TIEMS invites universities and training institutions and international and national certification authorities worldwide for cooperation in making such a standard. Our ideas are shown below what could be included in such a standard.

#### *TIEMS QIEDM Certification*

1. The course curriculum will be comprised of both theoretical and practical courses and hands on training
2. Courses will be offered by TIEMS in cooperation with Universities and Training Institutions worldwide
3. Participants must receive a passing grade on the certification exam
4. Certification will be given in cooperation with national and international Certification Authorities
5. TIEMS Chapters will be responsible for adding local/national competences

Once a review is performed of all submitted documentation and a passing grade is achieved on the certification exam, the TIEMS-QIEDM designation will be awarded by TIEMS QIEDM Certification Development Board.

Recertification is required every three (3) years by successfully completing three QIEDM TIEMS International courses and submitting the appropriate recertification application.

#### *Applicants Requirements*

1. Document a minimum of 4 years of higher education equivalent to a college baccalaureate degree or higher
2. Have a practical or theoretical background in Emergency and Disaster Management
3. Be employed as a first responder or work with an emergency management agency for a minimum of 3 years
4. Provide a letter of recommendation to TIEMS QIEDM program from their current or former employer

#### *TIEMS QIEDM Certification Training Courses*

##### *Core Courses:*

1. International Overview of Organizations and Activities in Emergency and Disaster Management
2. Global Concepts in Emergency and Disaster Management - Introduction to global concepts in emergency management and knowledge that are critical in any disaster response and to any nationality

##### *Basic Courses:*

1. Planning - Disasters and Application of Management Skills - Strategic Planning, Risk Analysis, and Leadership



2. Command & Control - Critical Thinking and Decision-Making - Command and Control, and the Tools of Emergency Management
3. Response - Physical and Emotional Responses to Disaster/Human Behaviour - Community and Personal Response
4. Exercise Design - Exercise Design, Development, Execution and Evaluation - Learn how to design an exercise, plan the exercise and execute and perform the exercise, including evaluation of performance

Contacts have been established in 2012, which we hope will mature into cooperation in 2013, taking the next step in developing and establishment of the TIEMS QIEM Certification.

## TIEMS on Social Media

TIEMS has been active on social media on Twitter and Facebook since 2011, but a significant activity level was first reached last year when TIEMS got an editor responsible for TIEMS on social media, namely Samantha Ueno, who is a freelance writer, residing in Japan.

The Twitter account has now reached 606 tweets and 152 followers, and the activity level is high with good participation from many international actors. TIEMS Facebook page has pictures and reports from the latest TIEMS events, and both Twitter and Facebook will be regularly used in future TIEMS events.

Also other social media will be explored for active participation of TIEMS in the future.

## TIEMS RTD Member Service

TIEMS members constitute a large international multidisciplinary group of experts, with different educational background and various experiences in the field of emergency and disaster management. They represent an unique source of expertise and ideas, which is an important asset for research and development activities. TIEMS has therefore established a RTD service for its members:

1. Based on TIEMS members ideas, propose RTD projects which can improve methods, systems, operations and technology in emergency and disaster management
2. Initiate RTD Consortiums where TIEMS members can participate in RTD proposals
3. Inform members of established RTD Consortiums and RTD activity where TIEMS members can participate

### *TIEMS RTD Member Service*

TIEMS Secretariat will act as TIEMS RTD Service Coordinator with the following tasks:



1. Based on TIEMS members needs, develop a RTD plan and be responsible for the execution of the plan
2. Involve TIEMS members in RTD programs and projects
3. Develop and maintain a TIEMS RTD cooperation strategy for TIEMS members
4. Keep a dialogue with TIEMS members and involve them in planned and ongoing RTD programs and activities
5. Maintain and update the web-site information on RTD opportunities
6. Stimulate and encourage TIEMS chapters to take RTD initiatives and establish RTD activity in TIEMS chapters

*Status 2013*

1. TIEMS participated in the NARTUS EU project, 2006 – 2009, with responsibility for consensus building and establishing the Public Safety Communication Europe Forum

(PSC Europe Forum – <http://www.psc-europe.eu/>)

2. TIEMS President is a member of the following EU projects Advisory Boards:

- ACRIMAS; <http://www.acrimas.eu/>
- Opti-Alert; <http://www.crismaproject.eu/>
- CRISMA; <http://www.opti-alert.eu/>

3. TIEMS members and chapters are involved in proposals in the recent FP7 EU Security calls:

1. Project on Use of Social Media in emergency situations
2. DEMO project for aftermaths crisis management
3. Project on Pandemics Crisis

TIEMS will encourage and stimulate to more participation in RTD project proposals the coming year, and the Secretariat has been given the task to monitor research calls from EU and notice TIEMS members in order to initiate RTD processes.

Also other research funding opportunities worldwide will be explored in 2013.

## TIEMS Library

TIEMS was able to open its Library at the end of 2012 containing most papers presented at TIEMS annual conferences from 1994 to present, as well as papers and posters from some of the workshops and conferences arranged by TIEMS. The address of TIEMS Library is:

<http://www.tiems.info/About-TIEMS/tiems-library.html>

User name and Password can be obtained by contacting TIEMS Secretariat.

Please note that permission is granted to copy portions of this Library for personal use and for the use of students providing credit is given to the, authors, conference and publication.





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Proceedings with papers and posters from all TIEMS conferences and workshop will be posted to TIEMS Library for the future.

## TIEMS Conferences and Workshops Plans for 2013 - 2015

TIEMS worldwide program planned for the period 2013 – 2015 includes at present the following events, with different key topics as listed below:

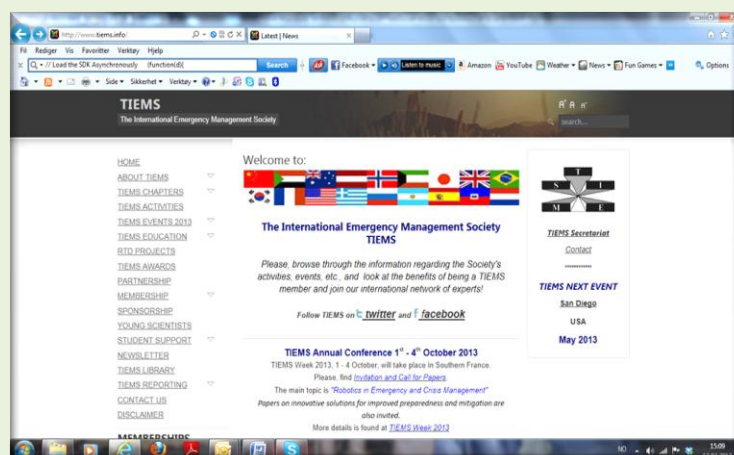
1. 25<sup>th</sup> January 2013. Kyoto University, TIEMS Japan Chapter Workshop on:  
*"Emergency Operation Center and Common Operational Picture"*
2. 20<sup>th</sup> – 24<sup>th</sup> May, 2013. TIEMS supports *"The 2013 International Conference on Collaboration Technologies and Systems"*, CTS 2013 in San Diego. TIEMS Regional Director for North America runs a workshop on:  
*"Collaboration in Emergency Response and Disaster Management"*
3. 1<sup>st</sup> – 4<sup>th</sup> October 2013. TIEMS Annual Conference 2013. The main topic is:  
*"Robotics in Emergency and Crisis Management"*
4. 30<sup>th</sup> October - 1<sup>st</sup> November 2013. TIEMS Conference in Berlin  
*"Public Alerting and Social Media during Crisis and Disasters"*
5. November 2014. TIEMS Annual Conference in Japan  
*Will be held in Niigata in memorial of the Niigata earthquake*

Other events are in planning worldwide in cooperation with TIEMS Chapters and other partners.

The 2015 annual conference location is not yet decided.

## TIEMS Web-site

TIEMS web-site has been edited and updated during 2012. It now appears as shown below.



New added functions on the main menu are:

1. TIEMS Chapters  
*The different TIEMS Chapters are introduced with a link to the different chapter's web-site*
2. TIEMS Events  
*All TIEMS events 2013 will have their own web-site menu with link to the conference management system for the different events*
3. RTD Projects  
*TIEMS RTD service to its members will introduce opportunities for TIEMS members on RTD projects and Consortiums to join*
4. TIEMS Awards  
*All awards given by TIEMS are displayed*
5. TIEMS Library  
*All papers presented at all TIEMS conferences from 1994 to present and proceedings from some workshops/conferences are available on this menu*
6. TIEMS Reporting  
*All reports are now displayed for each year from 2007 to present*

The updating and editing work of the web-site is a continuous process and special focus forward will be on:

- Improvement of the on-line payment functions for credit cards and bank transfer
- Conference management system
- Members portal with information and benefits for members
- TIEMS web-site lay-out

Feed-back from members on functions missing on the web-site and suggestions to improvement are always welcome.

## TIEMS Revised by-laws

TIEMS present by-laws were established in 2006, when TIEMS was registered as a non – profit international NGO in Belgium. There has been a major development of TIEMS since then and it was a need for revising and simplifying the by–laws according to the development of TIEMS since 2006 to reflect the present functions and operations of TIEMS. This work was started by the Board of Directors in 2010 and TIEMS Secretariat's lawyer had its last revision and update before the new proposed by-laws were presented to the membership in the AGM in 2012 and approved at the AGM during the annual conference 2012 in Erbil.

The final approval was done in the Extraordinary General Assembly in Brussels at the Belgium Notary's office 18<sup>th</sup> February 2013.

The revised by-laws will become effective after publication in the Belgian Journal (Belgisch Staatsblad). This is expected to be in May 2013.



## TIEMS Economy and Financial Situation

TIEMS economy and financial situation is a challenge as with many other non-profit and international NGO's. However, all volunteers working for TIEMS around the world recruiting members, sponsors and arranging events for TIEMS, has made it possible to establish and maintain a TIEMS Secretariat in Brussels, which started its operation at the end of 2010, and has now been in operation for 2 years. Even if this is a paid service to TIEMS, the benefits of having professional administration and professional juridical advice present at a permanent registered address, has proven worthwhile and beneficial, and has now priority among the different cost items to be financed by the society.

TIEMS membership is steadily increasing, both personal and institutional, and all TIEMS chapters arranging events around the world, and thus recruiting new members add to improve the economic situation of TIEMS.

With the new by-laws, also new categories of membership will be available, and we also expect this to further increase recruitment of new TIEMS members, both locally in chapters and also professional certified members according to TIEMS QIEDM certification service.

Another area which we also expect will improve TIEMS financial situation, is TIEMS members participating in successfully funded RTD proposals. We will therefore prioritize to increased activity by TIEMS members in this area.

TIEMS scientific profile and serious work worldwide, I trust will attract sponsors and supporters which again will have a positive impact on TIEMS economical and financial situation.

## TIEMS Members, Officers and Directors

The main assets of TIEMS are its members, officers and directors, their expertise and the voluntary work they do in order to develop and promote the society worldwide.

I therefore like to thank them all for the work they do and the loyalty to TIEMS and its mission. Without them and their efforts TIEMS could not exist.

Members of TIEMS Board of Directors are elected at the Annual General Meeting (AGM), which takes place at the TIEMS Annual Conference. TIEMS members make up the AGM, and they make the decisions by their voting in the AGM. At the AGM in Erbil, new board members were elected for a period of three years and TIEMS Board has now the following board members with below mentioned positions:

- *K. Harald Drager, TIEMS President (Norway)*
- *Guosheng Qu, Vice President (China)*
- *Stela Petrescu, Secretary (Romania)*
- *Jack (Ji) Zhang, Treasurer (China)*
- *Ranko Britvic, Director for International Relations (Croatia)*
- *Jaroslav Pejcoch, Director and Chair of TIEMS Advisory Board (Czech Republic)*



- *Snjezana Knezic, Director for Chapters and Membership (Croatia)*
- *Nina I. Frolova, Regional Director for Europe (Russia)*
- *James Hagen, Regional Director for North America (USA)*
- *Stephen Jenkins, Regional Director for Australia, New Zealand & Oceania (Australia)*
- *Yukio Fujinawa, Regional Director for Asia (Japan)*
- *Mohammed Shuaib, Regional Director for Middle East and Africa (Iraq)*

Below show the pictures of all members of the Board of Directors.



*K. Harald Drager  
President*



*Guosheng Qu  
Vice President*



*Jack (Ji) Zhang  
Treasurer*



*Stela Petrescu  
Secretary*



*Ranko Britvic  
International Relations*



*Jaroslav Pejcoch  
Chair Advisory Board*



*Snjezana Knezic  
Membership & Chapters*



*Yukio Fujinawa  
Asia*



*Nina Frolova  
Europe*



*Mohammed Shuaib  
Middle East &  
Africa*



*Jim Hagen  
North  
America*



*Steven Jenkins  
Australia, New  
Zealand & Oceania*



Vacant  
Latin  
America &  
Caribbean



The Board appoints officers each year for different tasks, and the following officers are appointed for the different functions described below for one year, and they are members of TIEMS Advisory Board:

- *Meen Poudyal Chhetri, Chair of TIEMS Paper Review Committee (Nepal)*
- *Ruben C. Umaly, Chair of TIEMS International Program Committee (Philippines)*
- *Alex Fullick, TIEMS Editor, Newsletter (Canada)*
- *Samantha Ueno, TIEMS Editor, Social Media (Japan)*



*Ruben Umaly  
International  
Program Committee*



*Meen Chhetri  
Paper Review  
Committee*



*Alex Fullick  
Editor  
Newsletter*



*Samantha Ueno  
Editor  
Social Media*

There are several board positions open for election each year, and all TIEMS members can stand for election. I encourage all TIEMS members to consider taking on a position either as a board member or officer for special tasks. TIEMS needs active and dedicated directors and officers, so I encourage TIEMS members to use the opportunity in Marseilles this year to suggest their candidacy for either a board or officer position.

## **TIEMS Secretariat in Brussels**

TIEMS Secretariat in Brussels, Belgium started its operation for TIEMS 1<sup>st</sup> November 2010. During 2011 and 2012 most administrative TIEMS activities have been transferred to the secretariat and the board members have more time to concentrate on the long term planning of the development of TIEMS. The secretariat office can be found at the SQUARIS company with the following address and phone, fax and e-mails:

### **TIEMS Secretariat**

**Rue Des Deux Eglises 39, 1000 Brussels, Belgium**

**Phone: +32 2286 8038**

**Fax: +32 2286 8039**

**E-mails:**

***mc.bonnamour@squaris.com***

***r.miskuf@squaris.com***



TIEMS is continuously striving for developing its professionalism and I trust TIEMS members and beyond and those interested in TIEMS and our activities have noticed the difference with TIEMS secretariat operational.

## TIEMS Future Plans

As can be seen from the report above, 2012 was another very active and expansive year for TIEMS, but also an important year with a major effort towards increased professionalism and further spread-out worldwide of the society's activities.

The progress is in line with TIEMS 5 year plan agreed by the Board of Directors at the end of 2012, which set concrete goals to work towards. This sends a message to TIEMS members and the international emergency management community about an active TIEMS future which all with interest in emergency and disaster management can take part in, and work together towards TIEMS mission of a safer world.

Two new TIEMS chapters were established in 2012, and the dialogue is opened with quite a few countries for establishing chapters, and at least 2 – 3 are mature to be established in 2013. TIEMS slogan of "Think Globally and Act Locally" is demonstrated in a very concrete way with the establishment of TIEMS chapters. TIEMS is a decentralized organization, where the driving force and momentum of the organization is with the Chapters. The activity level in the established Chapters is clear proof. TIEMS Board of Directors and Officers and TIEMS Secretariat is the central function of TIEMS, supporting the chapters and establishing a solid framework and support function from which all chapters can benefit.

With the increasing number of chapters, the local activity increases, and last year with 13 TIEMS events worldwide is a record. We expect this to increase, and already 5 events are scheduled for 2013, and more events are expected to come. The papers and posters presented at these events are giving TIEMS an important international academic standing. The model for the annual conference with both English papers and local language papers, with two chairs for each session, one international and one local, assures a good dialogue between the international and local experts. This will also be practiced in the future to assure good influence by the local culture.

TIEMS research project service for TIEMS members, where members are informed of research project calls, for example in the EU, resulted in three proposals with participation of TIEMS members in 2012. This activity will be increased in 2013 and also extended to be monitoring other research funding opportunities worldwide through TIEMS chapters. This service is expecting to lead to project proposals for TIEMS members to participate in, which hopefully will be funded. It is believed that this will be an increasing and welcome activity for TIEMS members in the coming years, and also an important added value to research outcome for improved resilience and a safer world.

By launching TIEMS International Education, Training and Certification Program, TIEMS QIEDM Certification, we do hope that this initiative will trigger interest from worldwide universities and training institutions, to work together with TIEMS to make an international



standard in emergency and disaster management education. TIEMS is here as a provider for an international joint drive to put focus on the profession and also contribute to capacity building where needed.

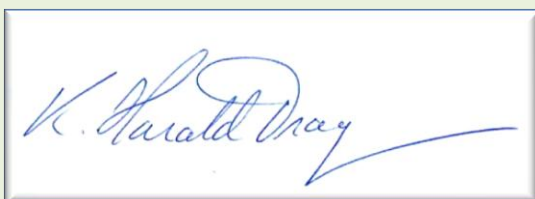
TIEMS is only one of many good organizations working with improving resilience worldwide, and TIEMS invites to partnership for getting an even stronger momentum towards a safer world. Together we can achieve more than working alone one by one. TIEMS joined the International Civil Defence Organization (ICDO) as an affiliate member in 2012, and TIEMS has expressed interest to work together with ICDO, first of all in education and training, but also in other areas of importance for improved resilience. TIEMS encourages and invites for more such partnerships in the future.

TIEMS is a decentralized organization where the momentum and driving force stay with TIEMS chapters. A team of TIEMS volunteers worldwide, driven by the motivation and mission of TIEMS work for a safer world, have made 2012 achievements possible. I like to thank them all, and encourage them to further stay on and develop and spread out the society's network to reach further out and recruit new members and volunteers to join TIEMS in this work.

My role as TIEMS President is to see and explore opportunities and advocate for international cooperation and partnership in emergency and disaster management and most of all to encourage the team of TIEMS volunteers to further active engagement for the society for achieving our goal of a safer world. Cooperation and Partnership is TIEMS mantra, and with TIEMS complimentary approach to other good societies and institutions working for the same goal, I look forward to further cooperation and partnerships in 2013, addressing the main challenges in international emergency and disaster management work.

I would like to conclude my annual report on TIEMS activities in 2012 with a strong belief that TIEMS has an important role to play internationally in education, training and certification and in policy concerning emergency and disaster management and disaster response, and we will continue to strive to develop this role to the benefit of our members and others and towards our mission for a safer world.

**Oslo 27<sup>th</sup> February 2013**



**K. Harald Drager**

**TIEMS President**

