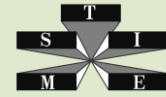




The International Emergency Management Society



## TIEMS President's 2014 Annual Report



### The International Emergency Management Society - TIEMS

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

*TIEMS is a global forum for education, certification and policy in emergency and disaster management. TIEMS is dedicated to developing and bringing the benefits of modern emergency management tools and techniques and best practice to society for a safer world. This will be achieved through exchanging information on 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.*



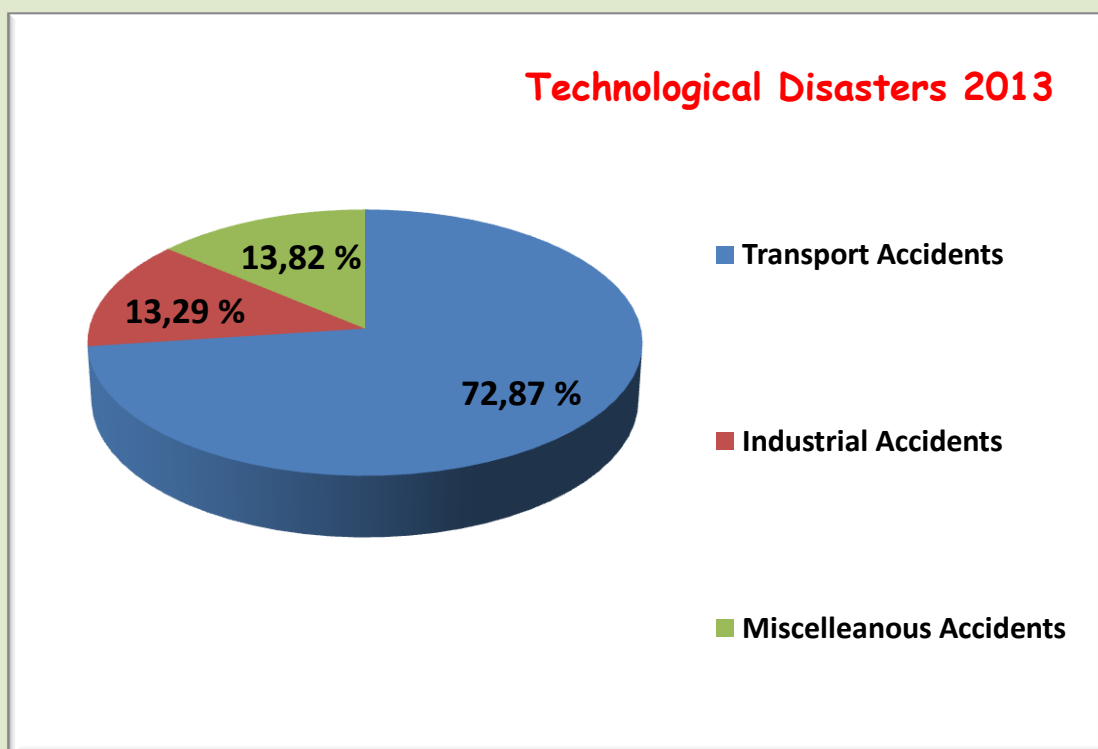
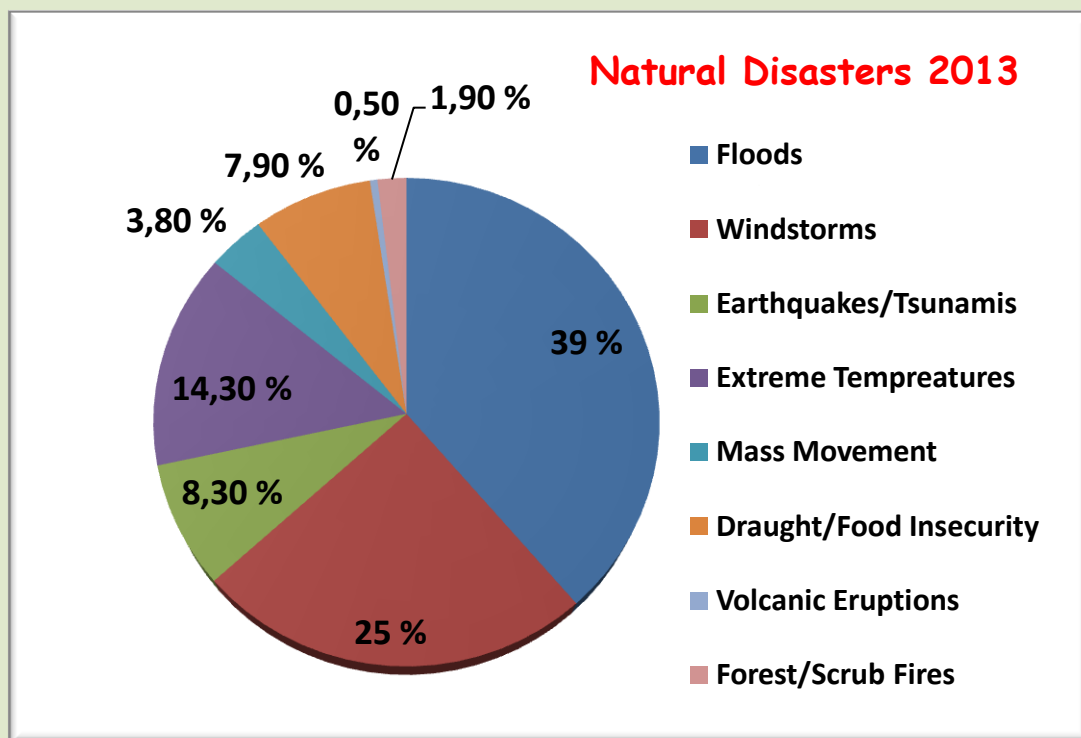
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## Introduction

From *World Disaster Report 2013*, an overview of disasters in 2012 is shown below:



The following summarizes the disaster picture and consequences for the period 2003 – 2012:

<b>Disaster Characteristic</b>	<b>Most Severe</b>	<b>Second Worst</b>
<b>Natural Disaster Type</b>	<b>Floods, 39*% (2012);</b> <i>Steady/Fluctuating 2003-2012</i>	<b>Wind storms, 25*%;</b> <i>Steady/Fluctuating 2003-2012</i>
<b>Technical Disaster Type</b>	<b>Transport Accidents, 72*%;</b> <i>Decreasing 2003-2012</i>	<b>Industrial Accidents, 13*%;</b> <i>Decreasing 2003-2012</i>
<b>Disaster Location</b>	<b>Asia, 38*% (2012)</b> <i>Slowly decreasing 2003-2012</i>	<b>Africa, 22*% (2012)</b> <i>Slowly decreasing 2003-2012</i>
<b>Disaster Deaths</b>	<b>Asia, 54*% (2012 down)</b> <i>Fluctuating 2003-2012</i>	<b>Africa, 19*% (2012)</b> <i>Steady 2003-2012</i>
<b>Affected Population</b>	<b>Asia, 65**% (2012 down)</b> <i>Steady 2003-2012</i>	<b>Africa, 31**% (2012 up)</b> <i>Steady 2003-2012</i>
<b>Cost of Damage</b>	<b>Americas, 66*% (2012 up)</b> <i>Fluctuating 2003-2012</i>	<b>Asia, 18*% (2012 down)</b> <i>Fluctuating 2003-2012</i>

**\* Percent of world total**

**\*\* Percent of country population**

Floods and transports are the most severe natural and technological disasters respectively, in the period 2003 – 2012. While a positive downward trend is seen for transport accidents in this period, the flood disasters seem to be steady but fluctuating over the period. Most disasters happened in Asia during the period, with a slowly decreasing trend in Asia and Africa. Asia also had the most deaths after disasters, 54 % of the world total in 2012, while Africa had 22 % in 2012. Deaths in Asia have been fluctuating over the period 2003 – 2012, while it has been quite steady in Africa.

The population in Asia has been most affected, with 65 % of the country's population impacted by disasters in 2012, with a steady trend in the period 2003 – 2012. 31 % of Africa's population was affected in 2012, which also was a steady trend in the period 2003 – 2012.

The cost of damage was highest in Americas with 66 % of the world total in 2012, with 18 % in Asia in 2012. The high Americas total is mostly due the heavy costs after the hurricane Sandy.



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

## **TIEMS Achievements 2013**

TIEMS progressed very satisfactorily worldwide in 2013. I am pleased to report the following main achievements for 2013:

- *TIEMS arranged 10 events in 2013, with conferences, workshops and training courses*
- *The TIEMS annual conference took place in Velaux, France with more than 120 participants*
- *Other conferences and workshops took place in Japan, China, Italy, Finland, USA, Iraq and Germany*
- *Two training workshops took place in China*
- *TIEMS issued three newsletters in 2013*
- *Dialogues were established in many countries for establishing TIEMS chapters*
- *The TIEMS research service for its members resulted in one Research, Technology, and Development (RTD) project to be started in 2014 for participation of TIEMS members*
- *TIEMS International Education, Training and Certification Program was further elaborated*
- *New experts were added to the TIEMS International Pool of Instructors*
- *The TIEMS Library of papers from TIEMS conferences from 1994 to present was updated with conferences and workshops held in 2013*
- *TIEMS revised By-laws were approved by the TIEMS AGM 18<sup>th</sup> February 2013*
- *TIEMS 2014 conferences and workshops to be held in Japan, China, Finland, USA and Iraq*
- *The TIEMS web-site was edited, updated and refreshed in 2013*
- *TIEMS activity on Twitter and Facebook increased considerably in 2013*
- *TIEMS issued several awards for excellence in emergency and disaster management*
- *TIEMS established two Task Force Groups, one is TIEMS Education, Training and Certification Task Force Group, another is Emergency Medical Task Force Group*
- *A TIEMS Asia Secretariat was established in 2013 in Beijing, China*
- *An International Emergency Industry Alliance on Technological Innovation and Strategy was established in 2013 in Beijing, China*
- *TIEMS signed an MOU to be an advisor for establishment of an education and training centre in Shenyang, China*



The main achievements for TIEMS in 2013 are detailed in the following.

## TIEMS International Network of Experts

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

There is a growing interest in TIEMS worldwide, and TIEMS is reaching out to emergency management and disaster stakeholder groups in more geographical areas of the world. Since emergency management and disaster response is the responsibility of national and local authorities, TIEMS seeks cooperation with these 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's 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 the TIEMS international network increases and opens up an international dialogue, and also facilitates exchange of important local knowledge in emergency and disaster management. In order to reach out worldwide, TIEMS is building an international expert network, with local chapters to organize local activities, and to assure that cultural differences are understood and included in TIEMS education and research programs, as well as other TIEMS activities.

TIEMS chapters are self-governed entities within the TIEMS framework. Today chapters are established in Be/Ne/Lux, China, Finland, India, Iraq, Italy, Japan, Korea, Middle East and North Africa (MENA), and Romania. Dialogue has also been opened with experts in other countries, who see the benefit of the TIEMS international expert network of chapters and members, where partnership, education and research in disaster resilience is the focus.

TIEMS chapters play the main role in hosting TIEMS international events, and TIEMS Japan Chapter will be the host of the TIEMS next annual conference in 2014, in Niigata, Japan on 21 – 23 October, with the support of the Governor of Niigata. The date, 23<sup>rd</sup> of October, coincides with the anniversary of the big 2014 Niigata earthquake.







## TIEMS Member Benefits

- ✓ *Belonging to a worldwide network of experts and volunteers in emergency management and disaster response, providing the opportunity for networking and cooperation*
- ✓ *Access to TIEMS conferences and workshops worldwide at preferential rates*
- ✓ *Access to information on global emergency management and disaster response trends and news through TIEMS announcements and newsletters*
- ✓ *Access to professional international emergency management and disaster response 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 management and disaster response*
- ✓ *Opportunity to become certified in International emergency management and disaster response – TIEMS QIEDM certification*
- ✓ *Opportunity to participate in research and development projects initiated by TIEMS R&D service, TIEMS members or other partners*
- ✓ *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 2013 Annual Conference in Velaux, France

TIEMS Annual Conference 2013 took place 1-4 October, in Velaux, France at the French Fire Brigade new Training Academy. It was attended by more than 120 participants representing more than 20 different countries. The main topic was "*Robotics in Emergency and Disaster Management*". Papers on innovative solutions for improved preparedness and mitigation were also presented. The conference produced the following Declaration:

### ***Declaration***

#### **On Protecting Lives and Property from Disasters**

##### ***Recognizing***

That the Conference on "Robotics in Emergency and Crisis Management" held in Velaux, France from 1-4 October 2013 was attended by disaster management professionals and practitioners from 20 countries and was successful in providing opportunities to discuss a wide range of vital topics including:

- Crisis management and cybernetics
- R&D ongoing projects
- Users' requirements and expectations
- Lessons learned
- Real trials and tests at the fire academy facility
- Preparedness and ICT in Crisis Management
- Operational Data Sharing
- Security and Safety Technologies.

##### ***Appreciating***

The efforts being made by the respective countries and partners all over the world to keep human life and property safe from emergencies and disasters by developing and implementing new technologies such as robots aimed at protecting and increasing coping capacity against natural and technological disasters.

##### ***The TIEMS annual conference participants recommend***

- That TIEMS members and attending delegates address the issues of DRR through resource management, networking and sharing experiences through the conferences and workshops.
- That the focus on public-private partnerships for DRR and community-based DRR activities be emphasized in order to build a disaster resilient society.
- That development of DRR strategies, such as early warning and response mechanisms, through regional and international collaboration to be fostered.
- That the use of robots for DRR in relation to saving human life and property be widely discussed and considered.
- That the global benchmarks, standards and indicators for emergency preparedness and response to build and modify health facilities to withstand events from various hazards and disasters be used.
- That the capacity of emergency management sector professionals and practitioners in the science and practice





of preparedness and risk reduction be further developed.

- That public awareness of the need to make physical infrastructures safe and functional in emergencies to be enhanced.
- That a distributed data base on past strong earthquake consequences to be developed in order to increase the reliability of loss estimations in emergency mode by calibrating existing worldwide systems.
- That the TIEMS members' efforts to facilitate and support partnerships between governments, the United Nations and relevant agencies, academia, professional bodies, NGOs, the media and civil society, to jointly advocate and effectively minimize the potential impacts of disasters to be continued.

### ***Acknowledging***

The hard work and warm welcome of the Local Organizing Committee (LOC) in arranging the TIEMS conference, pre-conference seminars and tours, as well as the exhibition of robot techniques, and noting the fruitful outcomes of many sessions, demonstrations and training.

### ***Thank you***

To the LOC headed by J.P. Monet, the Fire department of Bouches du Rhone County, for all their efforts and expertise in organizing such a successful and memorable occasion in all respects.

**Adopted on October 4, 2013 by the Conference participants at the Fire department of Bouches du Rhone County, Velaux, France.**



**SDIS 13 Fire School**



**Demonstration at Irobot booth**



**Velaux Conference Opening**



## TIEMS 2013 Award Winners

TIEMS believes that one way to improve disaster preparedness and reduce consequences of disasters, is to recognize and stimulate those who do excellent work within emergency and disaster management. Also, stimulating and encouraging young people to participate in this work and engage themselves in emergency and disaster management is important for the recruitment of young talents into this field. The above reasons are the TIEMS motivation behind TIEMS Awards and Student Support. Today the following awards and student support are given within TIEMS:

1. Best Paper Awards at TIEMS Annual Conferences <sup>1)</sup>
2. Best Student Paper Awards at TIEMS Annual Conferences <sup>2)</sup>
3. TIEMS President Outstanding Achievement Award <sup>3)</sup>
4. TIEMS Rohrmann Student Scholarship Fund <sup>4)</sup>
5. Best exhibition at TIEMS annual conference <sup>5)</sup>

<sup>1)</sup> TIEMS Korea Chapter's President, Young-Jai Lee, announced during TIEMS annual conference in Croatia in 2007, that TIEMS Korea Chapter will give a monetary best paper award to the three best papers presented at TIEMS annual conferences in the future, starting with TIEMS annual conference in Prague 2008.

<sup>2)</sup> TIEMS China Chapter Vice President, Guosheng Qu, announced prior to TIEMS annual conference 2011, that TIEMS China Chapter will give a monetary best student papers award to the three best student papers presented at TIEMS annual conferences in the future, starting with TIEMS annual conference in Bucharest 2011.

<sup>3)</sup> TIEMS President announced a new award at TIEMS annual conference in Bucharest in 2011, *TIEMS President's Outstanding Achievement Award*, to be issued each year in the future. The first 2010 Award was given to Jack Zhang, for his commitment and achievement with the arrangement of TIEMS 2010 annual conference in Beijing.

<sup>4)</sup> Bernd Rohrmann, Australia, contacted the TIEMS President during the TIEMS annual conference in Croatia in 2007, with a financial donation to establish TIEMS Rohrmann Student Scholarship Fund, which is to help and support students to participate in TIEMS events. This Fund is supporting two students each year to participate in TIEMS annual conference as long as the Fund has sufficient financial means.

<sup>5)</sup> This award was established in 2013 by TIEMS Board of Directors

TIEMS awards for 2013 were granted as shown below:



***2013 TIEMS Best Paper Award***

Prof. Dr. Filippo Arrichiello, Ms. Federica Pascucci and Prof. Dr. Roberto Setola, Italy

***2013 TIEMS Best Paper Award***

Prof. Dr. Meen Bahadur Poudyal Chhetri, Nepal

***2013 TIEMS Best Paper Award***

Mr. Eric Rodriguez, Mr. S. Mozziconacci, Mr. L. Verneuil, Lcol. Jean Paul Monet, France

***2013 TIEMS Best Paper Award***

Mr. Neil Dufty, Australia

***TIEMS EXHIBITION AWARD***

DOK-ING, Zagreb, Croatia

***TIEMS President Outstanding Achievement award for 2012***

TIEMS Japan Chapter

***TIEMS Rohrmann Scholarship Fund Award 2013***

Mr. Yasutake Sayangi, Japan

**TIEMS Regional Conferences and Workshops in 2013**

TIEMS is 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 supports and stimulates the chapters to establish chapter activity and arrange at least a workshop or regional annual conference every year.

During 2013, nine TIEMS regional conference and workshops were arranged:

1. *TIEMS Workshop in Kyoto, Japan*
2. *TIEMS supports CTS 2013, San Diego, USA*
3. *TIEMS second Iraq Workshop in Basrah, Iraq*
4. *First 2013 TIEMS Japan Chapter Conference (in Japanese)*
5. *Second 2013 TIEMS Japan Chapter Conference (in Japanese)*
6. *TIEMS Finland Chapter Workshop*
7. *TIEMS Berlin Conference*
8. *TIEMS China Chapter Annual Conference and Training in Xi'an, China*
9. *TIEMS International Conference in Guangzhou, China*



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

## TIEMS Workshops in Japan

TIEMS Japan Chapter arranged the following workshops in 2013:

1. January, 2013 on *"Emergency Operation Center and Common Operational Picture"*
2. May, 2013 on *"Operational Information"*
3. September, 2013 on *"Cooperation and Coordination"*

All three conferences were in Japanese and open to the public. 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 San Diego Workshop

The International Conference on Collaboration Technologies and Systems was held May 20-May 24 2013 in San Diego, California, United States. The conference brings together experts from academia, industry, and government as well as contributed paper presentations describing original work on the current state of research in collaboration technologies, collaboration systems, the Internet of things, people social networks, virtual worlds, services computing, and related issues. Attendees see and interact with a broad spectrum of methodologies and technologies that relate to cooperation, coordination, communication, and collaboration at both the client and backend (cloud) levels. Over 35 countries were represented, as well as all continents. Topic area included:

- Collaboration Infrastructure, Tools and Technologies
- Human Systems and Collaboration
- Collaboration Work and Processes
- Collaboration Applications, Domains, and Emerging Trends and Technologies

This year a new workshop was added in **Emergency Response and Disaster Management**. The session was initiated by Dr. Connie White (<https://sites.google.com/site/conniemwhite/>). TIEMS was a co-sponsor of this event, and it was co-organized by Dr. James Hagen, Regional Director for North America of TIEMS. Workshop information can be found at:

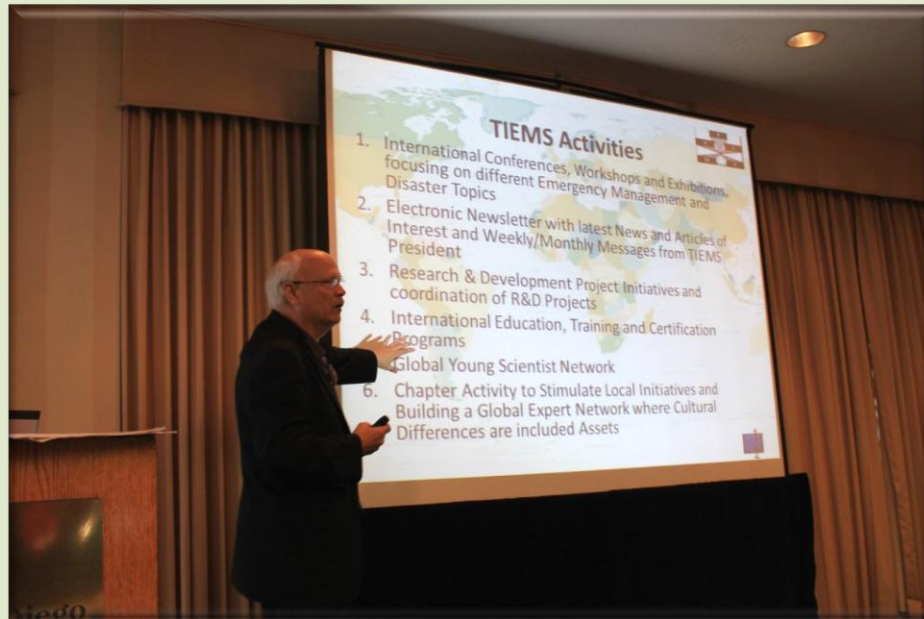
<http://cts2013.cisedu.info/2-conference/workshops/workshop-08-erdm>

This workshop on Collaborations in Emergency Response and Disaster Management focused on collaborative systems and technologies that support effective team work in crisis and emergency management. Emergency response and disaster management typically require collective intelligence from multiple, distributed agencies, task groups, and individuals, and involve making collaborative decisions and taking coordinated actions. However, current information systems are rarely designed to support group work in emergency response situations. There is a need for establishing a long-term, interdisciplinary research agenda that aims to improve information technology support to collaborations in disaster management and emergency response. The





objective of this workshop was to highlight key design challenges and major advances in the design, implementation, and assessment of collaborative technologies for crisis management.



Dr Jim Hagen, workshop organizer in action

We received a wonderful list of international submissions, resulting in the following accepted papers:

1. Promoting Cooperation and Coordination in International Disaster Management James C. Hagen, Meen B. Poudyal Chhetri, Nicolae Steiner (Saint Xavier University, Illinois, USA; Nepal Centre for Disaster Management (NCDM) and Disaster Preparedness Network (DPNet), Katmandu, Nepal; Titu Maiorescu University, Bucharest, Romania)
2. The DNA of Preparedness: Developing an Integrated Framework of Emergency Response and Disaster Management W. Fritz Krauss, Seth Rubenstein, John Crocker (Krauss & Associates, California, USA)
3. IT-based Development of the National Disaster Management System in Korea Eugene Na, Youngtae Huh, HyeogIn Kwon, HiYeob Joo, HyeYeon Won (Winitech Co., Ltd., Daegu, South Korea; Chung-Ang University, Seoul, South Korea)
4. Emergency Decision Model for Supply Chain Distribution in Emergency Response Xiang-yang Li, Yan Zheng, Yan-xin Wang (Harbin Institute of Technology, Harbin, China; Beijing Union University, Beijing, China)
5. Gamification – A Real World Example: The Power of Intermittent Reinforcement in Event Driven Surveillance Joel Aud (Lean Tail Labs, Texas, USA)
6. Xlet-based Applications for Seismic Early Warning and Emergency Services in the IDTV Environment Mustafa Asim Kazancigil (Università degli Studi di Milano, Milan, Italy)



7. Discovery Method on Failure Factors of Collaborative Allocation under Power Grid Emergency  
Feng Yu, Xiang-yang Li, Ying-xiong Li (Harbin Institute of Technology, Nan Gang District, Harbin, China)

8. Experience Feedback Guides for Crisis Management using GIS  
Mohamed Sediri, Nada Matta, Jason Dai, Sophie Lorient, Alain Hugerot (ICD/Tech-CICO, Université de Technologie de Troyes, Troyes, France; Aube Emergency Department, Troyes, France)

Dr. Hagen opened the workshop with a welcome from TIEMS and TIEMS President, Mr. K. Harald Drager. Hagen and colleagues Dr. Meen Chhetri, Chairman of the TIEMS Paper Review Committee from Kathmandu, Nepal and Dr. Nicolae Steiner, TIEMS International Teacher responsible for preparing TIEMS Romania Course in Dambovită, Romania prepared and presented paper on International Cooperation and Coordination.

The workshop was truly an international offering in the area of Disaster Response and Management and is representative of TIEMS work internationally. Based on the response, a special issue publication of the **Information Systems for Crisis Response and Management (ISCRAM)** journal is being contemplated.

## TIEMS Conference on Emergency Medicine in Basrah, Iraq

This was the Second International Conference on Emergency Medicine in TIEMS Iraq Chapter, and it was attended by more than 400 participants.

### DECLARATION

22 - 23 May 2013

Basrah, Iraq

#### Recommendations

##### 1. *Supporting emergency services through:*

a) Establishment of a new training center for the medical doctors (Board of Internal Medicine & Emergency Medicine) in Basrah;

b) Establishment of a new training center for the paramedical staff working in Emergency units;

c) Providing new ambulance vehicles with modern first aid and lifesaving equipment;

d) Increase the human resources working in the emergency services (medical & paramedical staff);

e) Ensure stability of the staff working in the emergency units with an advantage of their experience and training they already had previously;

f) Further training, especially on life saving and first aid;

g) Increase financial support for emergency services; and





h) Coordination and management controls (Regulation) of the work in the Governmental and private hospitals.

**2. Attention to the developments of special needs services:**

a) The emergency Neuro/spine surgeries;

b) Emergencies related to rheumatology. In addition to providing/ supporting the advanced emergency services (such as a polarized microscopy);

c) Using advanced "pain stopped" medications;

d) To improve the skills of medical and paramedical staff dealing with the integrated emergency medical services, including the use of sophisticated equipment;

e) To ensure safety during artificial insemination to prevent complications could be avoided through improving knowledge, skills of the staff before, during and after work;

f) Ensuring that "rapid diagnosis and correct transportation" are included as part of the training of medical personnel in primary health care centers and hospitals (emergency units);

g) Development of gynecological laparoscopic surgery as an option for treatment of duodenal ulcer and other similar emergencies;

h) Ensuring that all emergency units provide pediatric emergency services;

i) Activate legal legislations against violence and training of the staff on communication skills with patients and relatives; and

j) Motivating the professional authorities to increase awareness on road traffic laws and safety requirements.

**3. Specific recommendations from the Supervisory Committee of the workshop:**

a) Provide the necessary requirements/supplies in all emergency units of hospitals especially for emergency units in pediatric hospitals;

b) Training of the medical staff in addition of the paramedical staff as a supportive party;

c) Health education in the various media channels on the importance of such life-saving ways as part of our routine daily emergencies; and

d) Provide the necessary requirements/supplies such as electrical shock device in addition to training of the staff on how to use them.

**Concerning recommendations (1-2):**

a) Training courses for the medical and non-medical personnel on BLS primary life support;

b) Advanced courses of rescue and life support PALS, ACLS, ATLS;

c) Health Education materials and newsletters about ways to rescuing; and

d) Strengthening and establishing training centers for doctors and paramedical staff to be the nucleus of society to spread this culture.

**5. Miscellaneous Recommendations:**

a) We suggest that all doctors (HOs, SHOs, specialists), whom are, basically from Basrah,



to be kept in Basrah and those from Baghdad to be distributed to other governorates instead of distributing those from Basrah to other governorates and distribute those from Baghdad to Basrah;

b) We need new 100 fully equipped ambulances as what we have now are old (belongs to 2006) and not equipped;

c) The contracts of single Blood Bags must be received before the quantity finished in the stories of KEMADIA; and

d) We need delegations to DGs of DoH's to buy emergency equipments, drugs and machines with no limited prices.

**Basrah 23<sup>rd</sup> May 2013**



**Dr. Mohammed Shuaib opens the conference**



**Dr. Riyadh Alhilfi**



**Food is necessary for keeping focus**



**Dr. Hans Husum and Dr Mohammed Shuaib**

## TIEMS Finland Workshop

TIEMS Finland Chapter Workshop on "*Smart Environments and ICT System Living Lab for Societal Security*" was held September 26- 27, 2013 at Laurea University in Espoo, Finland.



- There were very many interesting and high quality expert level presentations. More people could be present in the auditorium.
- The topic is interesting and requires further discussions
- The discussions should continue within groups such as Living Labs, Security, System Research, Environment, Health, ICT with horizontal actions between the groups
- The setting up of a Forum with different discussion group will be relevant
- It is necessary to have a framework that will allow different organizations to contribute/share their resources
- The next meeting could be a Nordic Seminar linked with NordForsk proposal consortium meeting with the participation of Norwegian, Swedish and Danish interested organizations.
- More organizational efforts are necessary for the TIEMS FI
- Multidisciplinary approach is necessary
- Privacy, legal and policy issues are to be included
- International and educational aspects to be added

More information at: [www.laurea.fi/en/leppavaara/tiems/Pages/default.aspx](http://www.laurea.fi/en/leppavaara/tiems/Pages/default.aspx)

## TIEMS Berlin Conference

TIEMS Berlin Conference on Public Alerting and Social Media during Crisis and Disasters was arranged in cooperation with Fraunhofer FOKUS, Berlin, 30th Oct to 1st November 2013 with 75 participants from more than 20 countries.

## Declaration

### *For crisis communication in 21<sup>st</sup> century*

#### Recognizing:

That the conference on “Public alerting and social media during crises and Disasters” held in Fraunhofer FOKUS, Berlin, Germany from 30<sup>th</sup> October until 1<sup>st</sup> November was attended by Emergency Management professional and practitioners from 20 countries and was successful in providing opportunities to discuss important topics such as:

- Use of public sirens warning systems
- Modeling of public dissemination of alerts
- Lessons learned

- Monitoring and analyzing social media channels
- Social media as a sensor
- App's for disaster

#### Appreciating:

Digital access is not equal around the world. There is a technology divide between the developed and developing world in terms of availability ‘smart’ phones and Information Technology (IT). Further more different generations have different sensitivities to ‘new’ and ‘old’ media channels.



**Also appreciating:**

Social media has a role to play in Emergency Management, so it is essential Emergency Managers and Crisis Communication Managers establish a protocol for utilizing the medium.

**The TIEMS conference participants recommend:**

- Social media should be used as part of a multi channel approach, social media alerting alone is not enough, traditional media like telephone, radio, TV and print material also have an important role.
- Media like Twitter cannot provide detailed information; thus it is necessary that messages refer to more informative sources regarding emergency management.
- Linkages to existing governmental websites which have high credibility should be explored and established.
- Common Alerting Protocol (CAP) needs adaption to work with social media.
- A white paper, precursor to a standard is needed which covers social media crisis communication as at present there are none.
- The white paper should consider either using the European Union (EU) Committee of European Nationalization (CEN) approach to standard development which is open to input from Non---EU members <http://www.cen.eu/cen/Sectors/TechnicalCommitteesWorkshops/Workshops/Pages/default.aspx> or seek to use it to develop existing standards.

- The white paper should to cover the most basic systems of public alerting as well as have an adaptable foundation, ready to include new technology development.
- There is a need for more evidence, rather than the present case based approach, to better validate the use of social media for public monitoring and alerting. TIEMS recommends more quantitative research in this area
- Research into closed social networks, such as Red Cross might be a starting point for bench marking data.
- Awareness is needed of social media tools that they can impact personal security and those who developer endorse new tools need to make them resilient against mal---use.
- Some social media have induced serious ethical concerns; this should be debated regarding the use of social media for crises and disaster management.
- Good preparedness programs both for business and public organizations are not just technological; they need to reflect human behavior during crises and disasters and therefore should include proper psychological input from experts.

**Acknowledging:**

The hard work of Fraunhofer FOKUS team in arranging the TIEMS conference and tours, as well as the endeavors of the speakers, exhibitors and poster makers all of which help to share knowledge of best practices at the event.

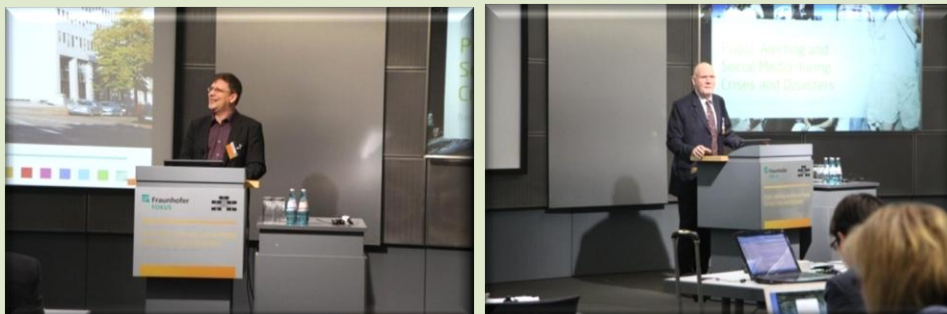




**Thanking:**

Michael Klafft, Project Manager at FOKUS Fraunhofer, for being a gracious host and making this event a very memorable occasion.

**Adopted on November 1<sup>st</sup> by the conference participants at Fraunhofer FOKUS, Berlin, Germany.**



**Michael Klafft from Fraunhofer and TIEMS President opens TIEMS Berlin workshop**



**Kerstin Dressel doing her Keynote Speech**

## **TIEMS China Chapter Annual Conference and Training**

The International Emergency Management Forum - 2013 (Xi'an) with 4<sup>th</sup> Annual Conference of TIEMS China Chapter held 24-25, Oct. 2013, with more than 300 participants, and 25 keynote speakers, and two panel round-table discussions with one proceeding of Chinese version. The main topics of this annual conference were strengthening Capacity Buildings of Community Level, and Response Scientifically to Emergency Issues.

The training and education program was held on 22-23, Oct. 2013 in Xian, Shanxi Province. Prof. Shan Chunchang, President of TIEMS China Chapter, consultant of the State Council of China, Prof. Gui Weimin, Deputy Secretary General of Shanxi Province, Prof. Liu Tiemin, Vice President of TIEMS China Chapter, Former director, China Working Safety Academy, Qu Guosheng, Vice President of TIEMS and TIEMS China Chapter, Deputy Director of S&T Committee, National Earthquake Response Support Service (NERSS), Director, Research Center of Digital Disaster Mitigation and Emergency Management, Peking University had lectures for about 200 trainees.



For more information, contact Guosheng Qu at: [qgsh@263.net](mailto:qgsh@263.net)



### TIEMS International Conference on Emergency Medicine in Guangzhou, China

In order to promote the development of emergency medical system information construction in China, enhance the communications and collaboration with global organizations, an “International Symposium on Emergency Medicine” was successfully held in Guangzhou hosted by International Emergency Management Society (TIEMS), Health Department of Guangdong Province and Health Human Resources Development Center of Ministry of Health, P. R. China, undertaken by Guangdong Emergency Hospital 16<sup>th</sup> – 17<sup>th</sup> of November 2013.

The participants of the seminar included K. Harald Drager, President of TIEMS; Qu Guosheng, Vice-president of TIEMS; James C. Hagen, TIEMS Regional Director of North America; Jing Xiaobo, Deputy Director-general of Bureau of Operation Monitoring and Coordination, National Ministry of Industry and Information Technology; Yang Feng, Division Chief of Emergency Preparedness, Office of Emergency Management, National Health and Family Planning Commission of People's Republic of China; Chen Ran, Director of Beijing Weirenweiyi International Medicine Research Center of HHRDC, MOH; Ji Jiaqi, Director of Office of Emergency Management, the People's Government of Guangdong Province; Chen Zhusheng, Deputy Director of National Health and Family Planning Commission of Guangdong; Li Zonghao, Executive-vice Chairman & Secretary-General of China Association for Disaster & Emergency Rescue Medicine ; Chairman of China Association of Disaster





Medicine and another about 250 emergency related experts from China, USA, Italy, Germany, France, Rumania, Hong Kong etc.

The symposium focused on “the implementation of information technology in emergency medical science” as the main theme, using emergency management and emergency medicine theory, and use cases of large-scale of emergency rescuing as well as the training of emergency medical talents as topics, provided new approaches and ideas in order to enhance the communications of emergency medical information network system construction between China, and other countries and finally promoted the improvements of emergency medicine in China.

In the afternoon of 17th, the participants paid a visit to the Guangdong Emergency Hospital (Guangdong 2nd People's Hospital).



Conference Keynotes



250 Participants attended

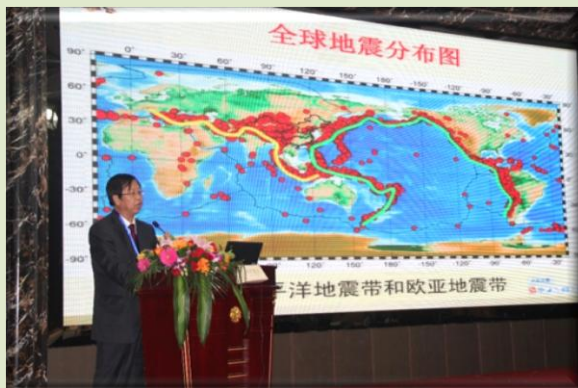


TIEMS President K. Harald Drager,  
Opening the Conference



Chen Ran, Director of Beijing  
Weirenweiye International Medicine  
Research Center of HHRDC, MOH,  
hosting the opening ceremony





Qu Guosheng, TIEMS Vice President,



He Chaoyang, Counselor of Beijing Weirenweiye International Medicine Research Centre of HHRDC, MOH, China



Tian Junzhang, President of Guangdong Provincial Emergency Hospital



Li Zonghao, Chairman of China Association of Disaster Medicine



Panel debate at the International Emergency Medical Symposium





## TIEMS Task Force Groups

TIEMS latest initiative, which was launched by TIEMS vice president and discussed during TIEMS annual conference in France, is to establish TIEMS Task Force groups.

Each Task Force Group would comprise qualified TIEMS scientists in different fields. These task groups could cooperate with UNOCHA, and/or with local emergency management government agencies and directly join to the operation during the emergency issues occurred.

TIEMS Vice president suggested, based on the experience of NGO associations in China and international, the following Task Force groups to be established:

1. Disaster Integrated Risk Assessment Task Force
2. Disaster Scenario Simulation and Preparedness Task Force
3. Emergency Response and On-site Life Rescue Task Force
4. Early Warning and Decision-making Sub-Task Force
5. On-site Communication, Commanding and Coordination Sub-Task Force
6. Emergency Medical Care and Public Health Task Force
7. Emergency Engineer Rescue and Equipments Task Force
8. Allocation of Homeless People and Disaster Recovery Task Force
9. Emergency management and SAR Theory Task Force
10. High-Technology (Robots) and Applications Task Force
11. Disaster Cases Analysis and Database Construction Task Force
12. Training, Exercise and Certification Task Force

This initiative was further discussed during TIEMS International Symposium on Emergency Medical Care to be hold in Guangzhou, China during 15-17, Nov. 2013.

There were established two specialized Task Force groups during the symposium:

- International Emergency Management Society (TIEMS) Emergency Medicine Task Force Group
- International Emergency Management Society (TIEMS) Education, Training and Certification Task Force Group

These two groups will collaborate with international emergency management societies with related work, launch professional training, participate in academic discussions, do international exchange and other important work related to the two topics.





International Emergency Management Society Emergency Medicine Task Force Group and International Emergency Management Society Education, Training and Certification Task Force Group Round-table Conference

## Shenyang Education and Training Centre

TIEMS signed an MOU with Liaoning Longyuan Group CO., Ltd for the establishment of Shenyang International Center for Emergency Education and Training, on 19, Nov. 2013. TIEMS president K. Harald Dragger, Vice president QU Gushing, Secretary Stela Petrescu and regional director of North American James Hagen, Secretary General YANG Wenlong of Emergency Industry Innovation Strategy Alliance and deputy director of Research Center of Digital Disaster Mitigation and Emergency Management, Peking University, and President of LN Longyuan Group CO., Ltd, Xiaojun Zhao participated in the signing ceremony.



The MOU Signing Ceremony



Handshake for the Cooperation





The Shenyang International Centre for Emergency Education and Training will be built to integrate and cover all types of emergency issues, by using defined international standards. The Center will be performing research and development, executing well-designed training and drills, and providing exhibitions, popularization of the emergency knowledge, experience, etc. It will also develop emergency training business to international scales as well as to provide certification for completion of qualified and established training programs.

With the collaboration of the other parties, TIEMS will contribute to the following key functions of the International Center for Emergency Education and Training:





1. Build experience and practice areas of disaster response for the general public, especially earthquakes, landslide, debris flow, heavy snowfall, flood, tsunami, typhoon, fire, gas, explosion, on-site medical and public health, social security, disaster early warning, simulation and multi-dimensional dynamic experience, animation and simulations of disaster prevention and mitigation, etc.
2. Facilitate disaster response simulation, decision-making and command and control center
3. Provide professional training, drill venues and related facilities
4. Create professional training classrooms and a modern conference center
5. Provide appropriate accommodations for those in training
6. Place emergency rescue equipment on display, and provide large exercise and drill facilities

The Shenyang International Center for Emergency Education and Training (SIC-EET) will be a center for education and training of professionals in emergency and disaster management and response as well as a demonstration and learning center for the public, comprising the state of the art technology in simulation, training and education tools, techniques, methods and systems, giving the trainees and visitors a realistic feeling of how to be in a disaster and how to prepare for survival and helping those in distress and need of help. The center is expected to be opening in 2016.



The Presidents show their enthusiasm for the agreed collaboration





## Other Training Programme and Conferences hosted by TIEMS China Chapter

### **1. Training for the SAR teams and volunteers**

This training was arranged on 27, June, 2013, in China National Training Base for Urban Search and Rescue (CNSART). Prof. LIU Tiemin, Prof. QU Guosheng, and Associate Prof. NING Baokun and FENG Haifeng made presentations on the Scenario simulation methodology, INSARAG Guide-line and SAR responses, on-site coordination and commanding methodology, and SAR operation, as well as the simple methods for the uses of equipments for SAR. About 100 students participated in the training program.



Training on 27, June, 2013, in China National Training Base for Urban Search and Rescue (CNSART)

### **2. Training for Emergency Management Officers**

Training programme was arranged in one week during 12-18, Sept., 2013 organized by Peking University and TIEMS. 40 officials from Fuzhou city have been trained in emergency management and earthquake responses and commandings.

### **3. Hanwang Forum in 2013**

Hanwang Forum was organized by Deyang Municipality, and Association of International Sustainable Development of China. TIEMS was one of the organizers of Hanwang Forum for 4 years. Hanwang Forum in 2013 was hold on 11, May, 2013, in Hanwang, Deyang city, Sichuan Province. About 300 experts participated in this Forum.



#### **4. Workshop on Emergency Response and Application of High-tech**

The workshop was held on 27, June, 2013, in China National Training Base for Urban Search and Rescue (CNSART), in Beijing by the local hosts and TIEMS. About 100 experts participated in this conference.



#### **5. Workshop on Emergency Industry High-tech Innovation Strategy**

This workshop was held on 16-17, Sept., 2013, in Liangmahe Hotel, Beijing. Many famous experts from China presented their achievements. About 100 experts participated in this conference.

#### **6. MOU signed with three exhibition companies of China to cooperate in emergency products exhibitions**

- 1) Emergency and Rescue Exhibition was held on 16-18, Sept. 2013 in National Agriculture Exhibition Hall in Beijing.
- 2) Emergency and Rescue Exhibition was held on 16-19, Oct. 2013 in World Expo, Shanghai.



## International Events Endorsed by TIEMS in 2013

TIEMS has endorsed the following conferences where the TIEMS President has also been a keynote speaker, with presentations listed below.

- International Forum on Sustainable Governance of the Ocean in Bangkok  
[Multi-Cooperation in Natural Hazards Warning and Mitigation](#)
- 2013 New Taipei City Disaster Management International Conference in New Taipei City  
[International Disaster Prevention & Climate Change - Trend and Approaches](#)

TIEMS has also endorsed the following conferences:

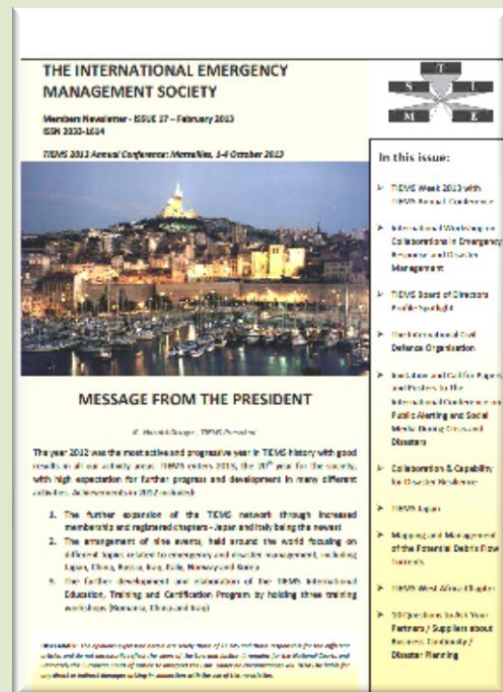
- Radiological Emergency Planning: Terrorism, Security, and Communication Course  
July 29 – August 2, 2013 | Boston, MA |
- 2013 INTERNATIONAL FORUM ON URBAN FLOOD CONTROL  
Shanghai, China; October 2013
- The 11th Annual National Security Australia Summit is set to convene on the 25th-26th February at the Sydney Harbour Marriott in Australia
- Collaboration & Capability for Disaster Resilience  
*Adopting an all hazards, all agency approach to build community resilience & manage risk*, 15th & 16th May 2013, CQ Functions, Melbourne
- Revolutionizing Public Emergency Communications  
Strategic communications with the public in the state of emergency  
30th & 31st October 2013 Rydges World Square, Sydney
- Disaster Resilience Leadership Academy (DRLA), Call for Applications (Fall 2013),  
Tulane University
- Risk Perception and Risk Communication  
in Trondheim, Norway, hosted and organized by the Norwegian University of Science and Technology (NTNU)

## TIEMS Newsletters in 2013

TIEMS issued three newsletter editions in 2013:



■ Issue no 17: February 2013



This issue covered:

- Call for papers for TIEMS Annual Conference in Velaux, France
- Announcement of International Workshop on Collaborations in Emergency Response and Disaster Management (ERDM 2013), May 20-24, 2013 at The Sheraton San Diego Hotel & Marina, San Diego, California, USA
- The 11th Annual National Security Australia Summit is set to convene on the 25th-26th February at the Sydney Harbour Marriott in Australia
- A presentation of the International Civil Defense Organization
- Invitation and Call for Papers and Posters to The International Conference on *Public Alerting and Social Media During Crisis and Disasters in Berlin*, Germany, 30th October – 1st November 2013
- TIEMS Board of Directors Profile Spotlight of *Dr. Mohammed Shuaib*
- Announcement of Collaboration & Capability for Disaster Resilience, *Adopting an all hazards, all agency approach to build community resilience & manage risk*, 15th & 16th May 2013, Melbourne, Australia
- The article; "Validating Business Continuity Plans Using Failure Point Exercise Methodology", By Geary W. Sikich
- TIEMS Japan: Chapter Overview & Activities
- The article; " Mapping and Management of the Potential Debris Flow Torrents, Tainan, Taiwan Oct.23~24, by Wen-Chi Lai, Taiwan Disaster Prevention Society
- Arrangements in Top Gear to Establish TIEMS West Africa Chapter, By Sanya Adejokun
- 10 Questions to Ask Your Partners / Suppliers about Business Continuity / Disaster Planning, by: A. Alex Fullick







■ **Issue no 18:  
July 2013**

This issue covered:

- A presentation of TIEMS Italy Chapter
- Overview of TIEMS Japan Chapter Activities
- TIEMS Board of Directors Profile Spotlight: Yukio Fujinawa (Japan)
- TIEMS Japan Chapter Conferences 2013 – 2014
- TIEMS Finland Chapter Workshop
- 2013 TIEMS Berlin Conference Preliminary Program, Berlin, Germany
- TIEMS 2013 Annual Conference Submissions, Velaux, France
- TIEMS By-Laws (Revised)
- TIEMS Welcomes Kuniyuki Tashiro as Our Newest TIEMS Instructor!
- Announcement of Radiological Emergency Planning: Terrorism, Security, and Communication Course
- Tips, Trips, Traps and Pitfalls of Performing a Business Impact Analysis (BIA), By: A. Alex Fullick
- Announcement of 2013 INTERNATIONAL FORUM ON URBAN FLOOD CONTROL, Shanghai, China; October 2013
- TIEMS Service Provider Spotlight: LESS® (Norway)
- *"Black Swans or just Wishful Thinking and Misinterpretation?"*, Author: Geary W. Sichek
- *Is Risk Really Indefinable?*, Author: Geary W. Sichek
- Disaster Resilience Leadership Academy (DRLA)
- Call for Applications (Fall 2013) at Tulane University, USA



■ Issue no 19:  
November  
2013



A new format was introduced with this newsletter issue, which covered:

- Second International Conference on Emergency Medicine in TIEMS Iraq Chapter
- 20th Annual Conference of TIEMS on Robotics and other Themes in Emergency and Crisis Management
- CTS 2013 Conference in San Diego, USA
- TERRORISM: The Ultimate "Black Swan" or a Delusional Distraction?
- TIEMS Finland Chapter Workshop
- The Role of Robots in "DR"
- iRobot Corporation, Defense & Security
- TIEMS Education Programs
- TIEMS has signed an MOU for establishing an International Center for Emergency Education and Training in Shenyang, China
- TIEMS Research Initiatives
- Upcoming TIEMS Events in 2014
- Conference Announcement: "Resilience Now 2014"
- TIEMS Social Media Policy
- TIEMS Board Member Profile: Mr. Neil Dufty
- Disaster Resilience Internet Links
- TIEMS-IRAQ Chapter





- International Conference on Humanitarian Logistics 2013
- Unified Messaging Services
- MVF-5 Multifunctional Remote Controlled Robotic System for Crisis Mitigation
- The Eurostar Project A-Sight
- TIEMS Berlin Conference on Public Alerting and Social Media during Crisis and Disasters
- Preparedness Planning System for improved Resilience with CRISMA Solutions
- International Symposium on Emergency Medicine successfully held in Guangzhou, China
- EDEN: Join the Largest Collaborative European Research Project Against CBRNe Events

All newsletters can be downloaded at:

[www.tiems.info/About-TIEMS/tiems-newsletter.html](http://www.tiems.info/About-TIEMS/tiems-newsletter.html)

## TIEMS Chapters

TIEMS chapters are self-governed entities within the TIEMS framework. Today chapters are established in Be/Ne/Lux, China, Finland, India, Iraq, Italy, Japan, Korea, Middle East and North Africa (MENA), and Romania.

Dialogue has also been opened with experts in other countries, who see the benefit of the TIEMS international expert network of chapters and members, where partnership, education and research in disaster resilience is the focus.

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 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 QIEDM Certification of Qualifications in International Emergency and Disaster Management

### TIEMS International Pool of Instructors

TIEMS has recognized an increasing worldwide need for qualified international instructors with up-to-date courses on various subjects in emergency and disaster management, and TIEMS has accordingly built up a Pool of International Instructors which includes 20 international experts by the end of 2013:

<i>K. Harald Drager</i> Norway	<i>Yukio Fujinawa</i> Japan	<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	<i>Roberto Mugavero</i> Italy	<i>Nathaniel Forbes</i> Singapore
<i>Kuniyuki Tashiro</i> Japan			

The experts joining TIEMS International Pool of Instructors have to fill out their bio and course in a template as shown for Gusosheng Qu in the following pages. All TIEMS



instructors need to be a TIEMS paid member in good standing. We encourage more international experts to join TIEMS international pool of instructors in 2014. All bios and course descriptions can be found at: <http://tiems.info/tiems-poolk.html>



### TIEMS International Pool Teacher & Trainer Biography

Name: **Guosheng Qu**

Position: **Dr. Prof. of NERSS**  
**Vice President of TIEMS**  
**Director, DDMEMRC, IDC,**  
**Peking University**

Organization: **National Earthquake**  
**Response Support Service**  
**(NERSS), CEA, Beijing, 100049,**  
**P. R. China.**

Date of Birth: **12.02.1961**

Nationality: **Chinese**

Mobile: **+86 1380 122 5593**

E-mail: [gqsg@263.net](mailto:gqsg@263.net)



#### Biography:

Guosheng Qu got his PhD in 1989 in Earth Science in Peking University. He is now Dr. and Prof. of Earth Sciences, and deputy director of S&T Committee, National Earthquake Response Support Service (NERSS), China Earthquake Administration (CEA). He is high level expert of China International Search and Rescue Team (CISAR) and has been general team leader of CISAR.

He is the Vice President of The International Emergency Management Society (TIEMS) and Vice president of TIEMS China Chapter. He is also Director, Digital Disaster Mitigation and Emergency Management Research Center, IDC, Peking University. He is an expert of disaster mitigation group of IAP and Integrated Research on Disaster Risk (IRDR) program, ICSU Regional Office for Asia and the Pacific. He is a standing Committee Member, Special Committee for Risk Analysis and Crisis Management under China Disaster Prevention and Mitigation.

He has published more than 100 papers on earth science in the following fields: Global Seismotectonics and Earthquake Disasters Alert, Information and Technique Supports for Emergency Response and SAR Operation, Seismic Hazard Assessment and Structural Geology and Regional Geology. He has created and led an Earthquake Disaster Information Support Group for CISAR and Chinese Gov. to response about 240 large earthquakes globally, and successfully since 2005. He has 4 times experience on the on-site search and rescue operations, South Asia Earthquake, Yogyakarta Earthquake in Indonesia, Wenchuan and Yushu Earthquake in China.

As general deputy team leader of China International Search and Rescue Team (CISAR), as one of main member to organize and operate CISAR to pass the IEC Certification during 11-14, Nov. 2009 depends on the INSARAG guideline.





## TIEMS International Education Program Course

**Teacher & Trainer:** *Guosheng Qu*

**Title of Course:** *Earthquake Disaster Emergency Response and SAR Operation Procedures — Case Analysis*

### Course content:

This course introduces the procedures of Earthquake Disaster Emergency Response and SAR Operation. The course will show the key stages and techniques using in the emergency preparedness, response, search and rescue.

#### Topics Include:

1. Global Seismic Risk and Earthquake Disasters
2. Earthquake Disaster Quick Estimation and Emergency Responses
3. On-site USAR Teams Distribution in Earthquake Disasters
4. Earthquake Disasters On-site Operation and Coordination
5. Cases Analysis of Recent Earthquake Disasters
6. Considerations and Suggestions

#### Objectives:

1. To identify and understand the global seismic risk. How to assess the seismic risks. How to prepare the potential earthquake disasters based on the seismic risk.
2. To know the methods and pre-plan of emergency response.
3. To learn the methods of quick information collection, analysis, and estimation of earthquake disaster, some methods to determine the degree, scale, death toll, and response level after the large earthquake.
4. To learn how to determine the heavy disaster area, and how to arrange the on-site USAR teams in earthquake disasters area.
5. To learn how to operate and coordinate the USAR teams, OSOCC, LEMA, and other resources on-site earthquake disasters.
6. Cases analysis of recent earthquake disasters, such as southeast Asia earthquake in Pakistan, Wenchuan earthquake, Haiti earthquake, East Japan Sea earthquake and tsunami, etc..
7. To learn the SAR theory and how to make-decisions, operation and coordination during the earthquake disaster rescue and relief.
8. Considerations and Suggestions



## TIEMS International Certification - TIEMS QIEDM

TIEMS believes there is a need for an international standard in emergency management and disaster response education and training, and has launched 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 of what should be included in such a standard are shown below.

### *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 2013, which we hope will mature into cooperation in 2014, taking the next step in developing and establishment of the TIEMS QIEDM Certification.

## **TIEMS on Social Media**

TIEMS has been active on Twitter and Facebook since 2011, and TIEMS has appointed Samanth Ueno as responsible for editing TIEMS social media publications.

The Twitter account has now reached 834 tweets and 208 followers, and the activity level is high with good participation from many international actors. The 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 Research and Development Projects**

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 a unique source of expertise and ideas, which is an important asset for research and development activities. TIEMS has therefore established a Research and Technology Development (RTD) service for its members, which operates as follows



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 acts 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***

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

<http://www.psc-europe.eu/>

TIEMS has been/is a member of the following EU projects Advisory Boards:

- ACRIMAS; [www.acrimas.eu/](http://www.acrimas.eu/) - finalized
- Opti-Alert; [www.opti-alert.eu/](http://www.opti-alert.eu/)
- CRISMA; [www.crismaproject.eu/](http://www.crismaproject.eu/)

and member of the end user group of the following EU projects:

- **Archimedes**; [www.archimedes-eu.eu/](http://www.archimedes-eu.eu/)
- **EDEN**; [www.eden-security-fp7.eu/](http://www.eden-security-fp7.eu/)

TIEMS members and chapters were involved in the following proposals in the recent FP7 EU Security calls:

- Project on Use of Social Media in emergency situations
- DEMO project for aftermaths crisis management
- **Project on Epidemic and Pandemics Crisis – ASSET**



The ASSET (Action plan in Science in Society in Epidemics and Total pandemics) project proposal was successful and funded by the European Commission for 4 years with start 1<sup>st</sup> January 2014. Qualified and experienced TIEMS members will form TIEMS working group participating in the project.

In 2014 TIEMS is involved in a project proposal; *Transboundary Resilience and Capacity-Building: Nordic Societal Security* (TRANSCAPACITY), coordinated by the Norwegian University of Science and Technology (NTNU).

TRANSCAPACITY is a response to the call NCoE "Nordic Societal Security", under the NordForsk program.

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. The EU has just launched Horizon 2020 with the first call already published and with deadline for proposals in March 2014.

Other research funding opportunities worldwide will also be explored in 2014.

## TIEMS Library Update

TIEMS Library was opened 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.

TIEMS Library was updated with papers and posters from TIEMS conferences and workshop in 2013.

## Weekly Disaster Resilience Internet Links

TIEMS new Regional Director for Australia, New Zealand and Oceania, Neil Dufty, has introduced a new TIEMS service on TIEMS web-site. He posts every week a list of disaster resilience internet links to relevant information around the world. I trust this is a very welcome new service from TIEMS.



## Internship Students Welcome to TIEMS

TIEMS had one student from Ecole des Mines in France, Thomas Achéritogaray, working part-time for TIEMS in Oslo during his 10 weeks internship in 2013. His internship period was shared between TIEMS and Ansur Technologies AS, a Oslo based company which research, design and supply innovative solutions for satellite and mobile wireless communications.

This was a very good experience and TIEMS welcome other students from all over the world to contact TIEMS for doing their internship at TIEMS.

## TIEMS Conferences and Workshops Plans for 2014

TIEMS worldwide program planned for 2014 includes at present the following 13 events, with different key topics as listed below:

1. **China, 25, January**, Workshop on *Emergency Education, Training and Certification and Facilities and Simulation Technology in Training Base or Centres in Beijing*.
2. **Japan 25 January**, Workshop on *Command and Control*
3. **Iraq TBD, Babylon** on *Emergency Medicine in Iraq*
4. **China, April**, Shenyang International Forum on *Emergency Education, Training and Certification*
5. **China, 16-18, April**, Chengdu with *Emergency High-technology Exhibition and Disaster Mitigation and Emergency Management Forum*
6. **Finland, June - July**, on *Living Lab for Societal Security*
7. **USA, 21 - 23 July**, Mississippi on *Global Response for Capacity Building of Disaster Preparedness*
8. **China, early September**, Beijing *Emergency High-technology Exhibition and Disaster Mitigation and Emergency Management Forum*
9. **China, 29-30, September**, Chengdu with *TIEMS China Chapter Annual Conference*
10. **China, 12-14, October**, Shanghai *Emergency High-technology Exhibition and International Emergency and Rescue Conference*
11. **Japan 21 – 23 October**, Niigata with *TIEMS Annual Conference 2014*
12. **China, November**, *Second International Emergency Medicine Symposium*
13. **China, TBD**, *Beijing Workshop on Application of Information in Emergency Management*



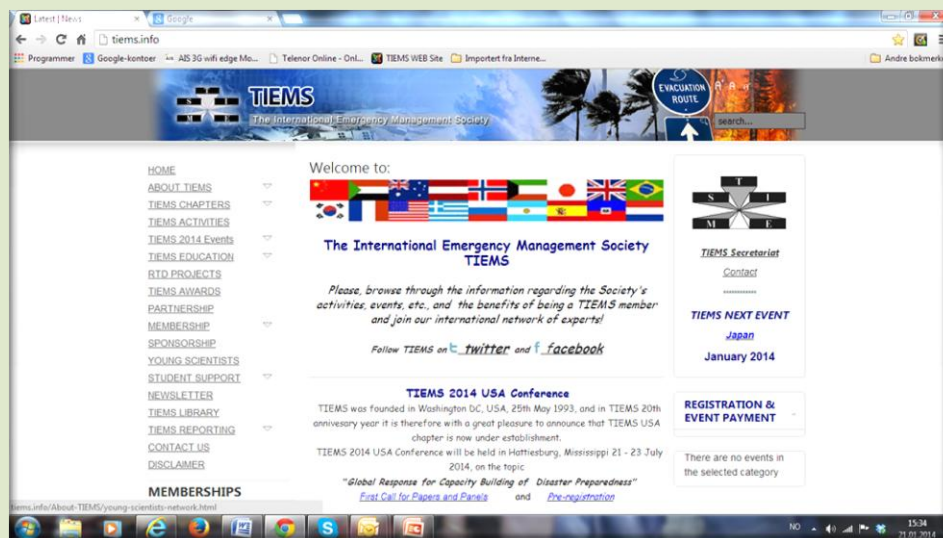


Other events are in planning worldwide in cooperation with TIEMS Chapters and other partners.

The 2015 annual conference location is not yet decided.

## TIEMS Web-site Update and Improvement

TIEMS web-site has been edited and updated during 2013. It now appears as shown below.



Improved functions are:

- *Membership site*
- *Improvement of the on-line payment functions for credit cards and bank transfer*
- *Conference management system*

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

- *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 Approved

TIEMS Belgian by-laws were established in 2006, when TIEMS was registered as a non – profit international NGO in Belgium. TIEMS has evolved since then, and there was a need to



revise and simplify the by-laws to reflect present functions and operations. This work was started by the Board of Directors in 2010 and finalized and approved at the AGM during the annual conference 2012 in Erbil, Iraq.

Final approval was granted by the Extraordinary General Assembly in Brussels at the Belgium Notary's office 18<sup>th</sup> February 2013.

The revised by-laws became effective 14<sup>th</sup> June 2013 after publication in "Moniteur Belge".

## **TIEMS Membership**

With the revised By-laws, new membership types were introduced, and the available membership, donation packages and journals available through TIEMS membership is as follows:

1. Standard Member
2. Standard Member "Transition Economy Country"
3. Professional Certified Member
4. Student Member
5. Institutional Member
6. Platinum Donation
7. Gold Donation
8. Silver Donation
9. Bronze Donation
10. International Journal of Emergency Management
11. International Journal of Risk Assessment and Management

In addition local chapter membership is available, which is recruited and governed by each chapter, within TIEMS guidelines.

Details on TIEMS membership can be found at:

[\*http://tiems.info/About-TIEMS/membership.html\*](http://tiems.info/About-TIEMS/membership.html)

## **TIEMS Economy and Financial Situation**

The TIEMS economy and financial situation is a challenge as with many other non-profit and international NGO's. However, volunteer work for TIEMS around the world, recruiting members, sponsors and arranging events, 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 more than 3 years. The benefits of having professional administration and legal advice present at a permanent registered address for TIEMS, has proven worthwhile and beneficial, and has is now a priority among the different cost items to be financed by the society.

TIEMS membership is steadily increasing, both personal and institutional TIEMS chapters arranging events around the world adds value and income by recruiting new members and local sponsors, improving the overall the economic situation of TIEMS. The new by-laws allow new categories of membership, which we expect will further increase recruitment of new TIEMS members, both locally in chapters and also professional certified members according to the TIEMS QIEDM certification service.

We also expect the TIEMS financial situation to improve with TIEMS members participating in successfully funded RTD proposals. TIEMS has therefore prioritized increased activity by TIEMS members in this area. As TIEMS increases its scientific profile and serious work worldwide, we expect to attract additional sponsors and supporters, which 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 Velaux, France, new board members were elected for a period of three years and TIEMS Board has now the following board members with positions mentioned below:

- *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)*
- *Neil Dufty, 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)

The pictures of the Board of Directors are shown below



*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*



*Neil Dufty  
Australia, New  
Zealand & Oceania*





The Board appoints officers each year for various tasks, and the following officers are appointed for the functions described below for one year; they are also members of the 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)*
- *Shakir Katea, TIEMS Task Force Activity Officer (Iraq)*
- *Jean – Paul Monet, TIEMS Sponsorship Officer (France)*



*Ruben Umaly  
International  
Program Committee*



*Meen Chhetri  
Paper Review  
Committee*



*Alex Fullick  
Editor  
Newsletter*



*Samantha Ueno  
Editor  
Social Media*



*Shakir Katea*

*TIEMS Task Force Activity Officer*



*Jean – Paul Monet*

*TIEMS Sponsorship Officer*

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 Niigata, Japan 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. 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 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 to develop its professionalism and I trust TIEMS members and those we work with have noticed the difference with TIEMS secretariat operational.

## TIEMS Asia Secretariat

The activity level has increased considerably in TIEMS China Chapter, and TIEMS Board approved at the end of 2013 the establishment of a TIEMS Asia Secretariat in Beijing. First of all, it will take care of the increased TIEMS activity in China, with 8 workshops and conferences already planned in 2014. In addition, it will also serve in the advisory role in building up Shenyang Education, Training and Certification Centre, maintain two present Task Force Group and Shenyang International Education and Training Centre, as well as International Emergency Industry Alliance on Technological Innovation and Strategy. TIEMS Asia Secretariat is also prepared to assist other chapters in Asia and worldwide with professional administrative and expert assistance in emergency management and disaster response.

## TIEMS Future Plans

As can be seen from the report above, 2013 was another very active and expansive year for TIEMS, but also an important year with a major effort towards increased professionalism and further spread of the society's activities worldwide.



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

A dialogue has been opened with quite a few countries for establishing chapters, and at least 2 – 3 are expected to be established in 2014. The 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 its chapters. The activity level in the established chapters is clear proof of this. 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 functions from which all chapters can benefit.

With the increasing number of chapters, local activity increased, and TIEMS maintained a high activity level with 10 events last year. In 2014 already 14 events are scheduled, 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.

The research project service for TIEMS members, where members are informed of RTD project calls, for example in the EU, resulted in three proposals with participation of TIEMS members in 2012 - 2013, out of which one was successful for funding and will start 1<sup>st</sup> January 2014 and last 4 years. TIEMS is already involved in one proposal for 2014 submitted to NordForsk. It is also expected that TIEMS will be invited to participate in several proposal for EU's next program, Horizon 2020, with the first deadline for proposals of March 2014. The TIEMS RTD service is expected to lead to more participation of TIEMS members in RTD projects in the coming years, and also to add important value to research for improved resilience and a safer world.

By launching the TIEMS International Education, Training and Certification Program, TIEMS QIEDM Certification, we expect to 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 here provides an international joint drive to put focus on the profession and also contribute to capacity building where needed. TIEMS involvement in building up the international training center in Shenyang, China, will give further momentum to the TIEMS Education, Training and Certification activity.



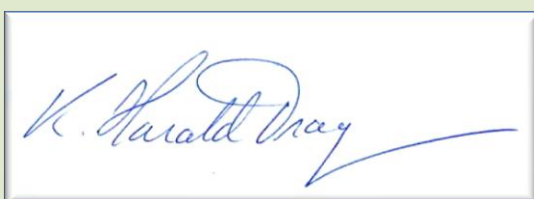
TIEMS is only one of many good organizations working to improve resilience worldwide, and TIEMS invites partnering to gain an even stronger momentum towards a safer world. Together we can achieve more than working alone one by one. TIEMS joined the International Civil Defense Organization (ICDO) as an affiliate member in 2012, and TIEMS has been invited to propose partnership and joint cooperation with ICDO and has submitted a proposal for ICDO's consideration. We look forward to partner and cooperate with ICDO, because we share the same vision of making world a safer place with more resilient societies. TIEMS encourages and invites 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 2013 achievements possible. I like to thank them all, and encourage them to further stay on and develop and spread the society's network to reach further out and recruit new members and volunteers to join TIEMS in this work. With the establishment of TIEMS Asia Secretariat in Beijing, TIEMS will get even better momentum in Asia and worldwide.

My role as TIEMS President is to see and explore opportunities and advocate for international cooperation and partnership in emergency management and disaster response, and most of all to encourage the team of TIEMS volunteers to further active engagement for the society to achieve our goal of a safer world. Cooperation and Partnership is a TIEMS mantra, and with the TIEMS complimentary approach to other good societies and institutions working for the same goal, I look forward to further cooperation and partnerships in 2014 and beyond, addressing the main challenges in international emergency and disaster management work.

I would like to conclude my annual report on TIEMS activities in 2013 with a strong belief that TIEMS has an important role to play internationally in education, training and certification and research and development activity, improving methods and tools for better emergency management and disaster response, and in policy concerning emergency and disaster management and disaster response. 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 28<sup>th</sup> January 2014**



**K. Harald Drager**  
**TIEMS President**

