

The International
Emergency
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2009 TIEMS 16th Annual Conference

FINAL PROGRAM

**09–11 June 2009
Istanbul, Turkey**

PROGRAM 2009



2009 TIEMS 16th Annual Conference

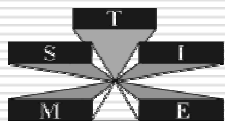
Welcome to Istanbul, Turkey!

Past Conferences

- Fort Lauderdale, USA, 1994
- Sofia Antipolis, France, 1995
- Montreal, Canada, 1996
- Copenhagen, Denmark, 1997
- Washington, USA, 1998
- Delft, Netherlands, 1999
- Orlando, USA, 2000
- Oslo, Norway, 2001
- Waterloo, Canada, 2002
- Sofia Antipolis, France, 2003
- Melbourne, Australia, 2004
- Thorshavn, Faroe Islands, 2005
- Seoul, Korea, 2006
- Trogir, Croatia, 2007
- Prague, Czech Republic, 2008

Future Conferences

- Beijing, China, 2010
- Cluj Napoca, Romania, 2011
- Oslo, Norway, 2012



2009 TIEMS 16th Annual Conference Program Overview

Day 1 – Tuesday

09 June 2009

0900 – 1030 Opening Ceremony
1030 – 1100 Coffee
1100 – 1230 Keynotes 1
1230 – 1400 Lunch
1400 – 1530 Parallel Sessions 1
1530 – 1600 Coffee
1600 – 1730 Parallel Sessions 2
1730 – 1900 Exhibition & Posters
Walkthrough
1900 – 2200 Social Event

Day 2 – Wednesday

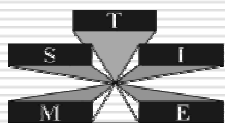
10 June 2009

0900 – 1030 Parallel Sessions 3/
Workshop 1
1030 – 1100 Coffee
1100 – 1230 Keynotes 2
1230 – 1400 Lunch
1400 – 1530 Exhibitor & Speakers Corner
Parallel Sessions 4
Workshop 2
1530 – 1600 Coffee
1600 – 1730 Parallel Sessions 5
1730 – 1900 TIEMS Annual General
Meeting
1900 – 2200 On your own in Istanbul

Day 3 – Thursday

11 June 2009

0900 – 1030 Parallel Sessions 6/
Workshop 3
1030 – 1100 Coffee
1100 – 1300 Keynotes 3
1300 – 1400 Lunch
1400 – 1530 Posters/Speakers Corner/
Parallel Sessions 7/
Workshop 4
1530 – 1600 Coffee
1600 – 1730 TIEMS 2010 in China
1730 – 1900 Exhibition & Posters
Walkthrough
1900 – 2200 Gala Dinner with
Closing Ceremony



Day 1 – Tuesday, 09 June 2009

Opening Ceremony and Keynotes 1: 0900 – 1230

0900 – 1030 Opening Ceremony
Chair: Muhammed Sahin – ITU, Turkey

0900 – 1000 “*Welcome to Istanbul Where the Continents Meet*”
Representatives from Turkish Government and Authorities

1000 – 1030 “*TIEMS 2008 Review and Future Plans*”
TIEMS President – K. Harald Drager, Norway

1030 – 1100 Coffee

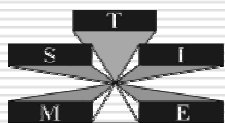
1100 – 1230 Keynotes 1
Chair: K. Harald Drager – TIEMS President, Norway

1100 – 1130 “*Risk Management starts from Risk Assessment and Simulation*”
Ferruccio Cerruti, Managing Director – ETEA SICUREZZA SRL, Italy

1130 – 1200 “*Population alert – Possibilities in the past, present and in the future*”
Jesper Nielsen, Government Relations Manager – UMS, Denmark

1200 – 1230 “*A Critical Review of Emergency and Disaster Management in Turkey*”
Hasan Boduroglu – ITU and Chairman of the Earthquake Foundation, Turkey

1230 – 1400 Lunch



Day 1 – Tuesday, 09 June 2009

Parallel Sessions 1: 1400 – 1530

Sessions 1A

Earthquakes

Chair: Qu Guosheng, China

1400 – 1430: [“Analysis Of Rmb 167 Billion \(USD 25 Billion\) Budget On The Critical Infrastructure Protection And Reconstruction For The China 5-12 Wenchuan Earthquake Emergency Recovery”](#)

Zhang Ji
China

1430 – 1500: [“Comparison Of The Istanbul Earthquake Loss Assessment Studies”](#)

Himmet Karaman
Turkey

1500 – 1530: [“Will A Major Earthquake Strike The Eastern Turkey?”](#)

Haluk Ozener
Turkey

Sessions 1B

GIS

Chair: Jaroslav Pejcoch, Czech Republic

1400 – 1430: [“Modelling Emergency Management Data By Uml As An Extension Of Geographic Data Sharing Model: Asat Approach”](#)

Arif Cagdas Aydinoglu
Turkey

1430 – 1500: [“Selecting 3d Urban Visualisation Models For Disaster Management: A Rule-based Approach”](#)

Serkan Kemec
Turkey

1500 – 1530: [“Improving Resource Management In Flood Response With Process Models And Web Gis”](#)

Armin Wagenknecht
Germany

Sessions 1C

Fire Fighting

Chair: Giedo Van pellicom, Belgium

1400 – 1430: [“Dermal Absorption of Toxic Gasses by Firemen Wearing Protective Suits”](#)

Nils Rosmuller
Netherlands

1430 – 1500: [“SAR System In Croatia - Yachtsmen’s Feedback Research”](#)

Srecko Favro
Croatia

1500 – 1530: [“Information Requirements Gathering for On-site Emergency Response Systems”](#)

Lili Yang
UK

1530 – 1600 Coffee



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Day 1 – Tuesday, 09 June 2009

Parallel Sessions 2: 1600 – 1730

Sessions 2A

Earthquakes

Chair: Nina Frolova, Russia

1600 – 1630: [“Design Of Hazturk Data Catalog And Repository”](#)

Selim Serhan Yildiz
Turkey

1630 – 1700: [“Turkish Disaster Time Line: Is The Past Prologue?”](#)

Irmak Renda-Tanali
Turkey

Sessions 2B

Technology

Chair: Snjezana Knezic, Croatia

1600 – 1630: [“3 Dimensional Rendering In A Disaster Management And Meteorological Early Warning System Project”](#)

Senem Bilir
Turkey

1630 – 1700: [“Citrine - Common Intelligence And Traceability For Rescue And Identification Operations”](#)

Daniela Dell’Amura
Italy

1700 – 1730: [“Review Of Methods And Information Technology For Ship Collision Avoidance”](#)

Anita Gudelj
Croatia

Sessions 2C

Training and exercises

Chair: Steven Jenkins, Australia

1600 – 1630: [“Risk Analysis Of The Transit Vessel Traffic In The Strait Of Istanbul”](#)

Birnur Ozbas
Turkey

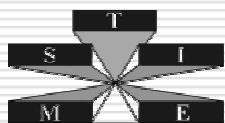
1630 – 1700: [“Improving Learning From Emergency Exercises”](#)

Kerstin Eriksson
Sweden

1700 – 1730: [“Preliminary Results Of A Survey On Disaster Awareness Of Personnel And Students Of Kocaeli University”](#)

Serpil Gerdan
Turkey

1730 – 1900 Exhibition & Posters Walkthrough
1900 – 2200 Social Event



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Day 2 – Wednesday, 10 June 2009
Parallel Sessions 3 and Workshop 1: 0900 – 1030

Sessions 3A

Earthquakes

Chair: Zhang Ji, China

0900 – 0930: [“Challenges Of Global Earthquake Loss Estimation In Emergency Mode”](#)

Nina Frolova
Russia

0930 – 1000: [“Identification Of The Block Movements And Stress Zones In Southwestern Anatolia Through GNSS Measurements, Seismicity, And Coulomb Stress Distribution”](#)

Ibrahim Tiryakioglu
Turkey

1000 – 1030: [“Design Of A System For Rapid Assessment Of Earthquake Hazard In Turkey For Decision Making”](#)

Asli Dogru
Turkey

Sessions 3B

Technology

Chair: Kerstin Eriksson, Sweden

0900 – 0930: [“Dangers Of Nanotechnologies: Solution To Potential Health And Environmental Concerns”](#)

Dejana Dimitrijevic
Serbia

0930 – 1000: [“Ship Power Plant – Safety Design”](#)

Maja Krčum
Croatia

1000 – 1030: [“ Making Sensor Data Work For Emergency Response “](#)

Yanning Yang
UK

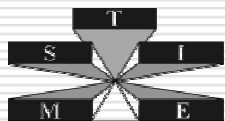
Workshop 1

Chair: K. Harald Drager, Norway

0900 – 1030: [“Risk Management starts from Risk Assessment and Simulation”](#)

Ferruccio Cerruti
Italy

1030 – 1100 Coffee



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Day 2 – Wednesday, 10 June 2009

Keynotes 2: 1100 - 1230

1100 – 1230 Keynotes 2

Chair: Charles Kelly – TIEMS Treasurer, USA

1100 – 1130 *“Overview of Emergency and Disaster Management in Africa”*

Hippolyte Fofack, Senior World Bank Economist – World Bank, USA

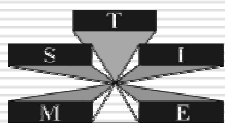
1130 – 1200 *“Brief Introduction of China’s Emergency Management under the Construction of Harmonious Society”*

Shan Chunchang, Director of the Expert Panel for the Emergency Management Taskforce under the General Office of the State Council, China

1200 – 1230 *“New Concepts for Future Disaster Response”*

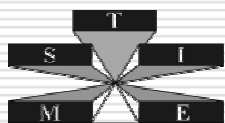
Martin von Bergh, Managing Director – Von Bergh Global Medical Consulting, Germany

1230 – 1400 Lunch



Day 2 – Wednesday, 10 June 2009
Exhibitors & Sponsors Speakers Corner/Parallel Sessions 4 and Workshop 2:
1400 – 1530

Exhibitors & Sponsors	Sessions 4A	Sessions 4B	Workshop 2
<p>Silver Sponsor:</p> <ul style="list-style-type: none"> • ETEA SICUREZZA SRL, Italy <p>Bronze Sponsors:</p> <ul style="list-style-type: none"> • HARMONY Technologies Co., Ltd, China • GE Security EMEA, Belgium 	<p align="center">Crisis management</p> <p>Chair: Charles Kelly, USA</p> <p>1400 – 1430: <u>“Multi-organizational Governance in International Disaster Management: Nargis Cyclone in Myanmar and Sichuan Earthquake in China Cases”</u> Naim Kapucu USA</p> <p>1430 – 1500: <u>“Assessing Response System Capabilities Of Socio-technical Systems”</u> Alexander Wilhelmsson Sweden</p> <p>1500 – 1530: <u>“Challenges To Intra-organizational Risk And Vulnerability Information Flow In Public Organizations”</u> Jonas Borell Sweden</p>	<p align="center">Training & Exercises</p> <p>Chair: Stephen Krill Jr., USA</p> <p>1400 – 1430: <u>“Risk Area Estimation And Consequence Based Analysis Using 3d Terrain Modelling Case Study: An Accidental Phosgene Release Scenario Near Râmnicu-vâlcea, Romania”</u> Nicolae Ajtai Romania</p> <p>1430 – 1500: <u>“Developing Training Course For Urban Disaster Prevention”</u> Young-jai Lee Korea</p>	<p align="center">Workshop 2</p> <p>Chair: K. Harald Drager, Norway</p> <p>1400 – 1530: <u>“TIEMS International Certification of Emergency and Disaster Managers”</u></p> <p>Giedo Van pellicom Belgium</p> <p>K. Harald Drager Norway</p>
1530 – 1600 Coffee			



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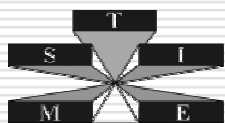
ETEA SICUREZZA SRL, Italy



www.eteasicurezza.it

Established in 1993, ETEA Sicurezza SRL is an engineering firm, specializing in industrial safety, with expertise in the areas of:

- Personnel Safety
- Industrial and Civil Safety and Security



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Bronze Sponsor



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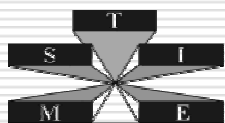
HARMONY Technologies Co.,Ltd.

www.harmony.en.china.cn

Established in 2002, Beijing Harmony Technologies Co., Ltd (HARMONY) is the largest solutions provider in China for Emergency Management System ICT platform construction. HARMONY provides services in the Emergency Management industry for the government, including: consulting, platform design & fulfilment, application and data development and management.

Headquartered in Beijing, with branches in Hei-longjiang, Shanxi, Guangdong, and Sichuan provinces, HARMONY focuses on government EMS, HIT, eGovernment info sharing and resource integration applications.

HARMONY is the founder and consulting member of the Emergency Management System (EMS) research project for the State Council of China, the consulting member of Beijing EMS Research Group, the Chief architect for the EMS IT platform of the Beijing 2008 Olympic Summer Games.



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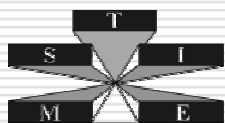


GE Security EMEA, Belgium

GE Security, a subsidiary of General Electric, is focused on the communication and information technologies for security, safety and lifestyle enhancements.

Our activities in Homeland Protection are driven by the development of technologies for explosives (trace & bulk), chemical and biological agent detection.

More specifically in the area of emergency response, we are developing new solutions and technologies for detecting chemical and biological agents.



Day 2 – Wednesday, 10 June 2009

Parallel Sessions 5: 1600 – 1730

Sessions 5A

Crisis management

Chair: Nils Rosmuller, Netherlands

1600 – 1630: [“Is Our E-world Safe? Structural Threats”](#)

Jaroslav Pejcoch
Czech Republic

1630 – 1700: [“Avoid remaking the same mistakes again: a framework to analyse previous errors”](#)

Jose M. Sarriegi
Spain

1700 – 1730: [“Management During Crisis – The Art Of War For Managers”](#)

James C. Hagen
USA

Sessions 5B

Critical infrastructures

Chair: Alan Jones, UK

1600 – 1630: [“Failure on Engineering Structures”](#)

Semih Dalgin
Turkey

1630 – 1700: [“Deformation Monitoring of Atatürk Dam”](#)

Yunus Kalkan
Turkey

Sessions 5C

Emergency planning

Chair: Charles Kelly, USA

1600 – 1630: [“A Framework to Integrate Social Vulnerability into Catastrophic Natural Disaster Preparedness Planning”](#)

Sarp Yeletaysi
USA

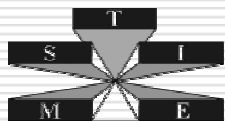
1630 – 1700: [“Medical Intelligence And Means Of Mass Destruction”](#)

Teodora Ivanuša
Slovenia

1700 – 1730: [“How Do We Identify Climate Change Impacts Within Community Hazard Mitigation?”](#)

David King
Australia

1730 – 1900 TIEMS Annual General Meeting
1900 – On your own in Istanbul



Day 3 – Thursday, 11 June 2009

Parallel Sessions 6: 0900 – 1030

Sessions 6A

GIS

Chair: David King, Australia

0900 – 0930: [“Determining And Management Of Flood Risk Using Gis And Remotely Sensed Data; Sakarya Sub Basin Case Study”](#)

**Orkan Ozcan
Turkey**

0930 – 1000: [“ESRI GIS Solutions in Emergency Management”](#)

**Serhat Ozeren
Turkey**

1000 – 1030: [“Establishment Of A Gis Based Disaster Information And Meteorological Early Warning Systems In Rize Province Of Turkey”](#)

**Emin Yahya Mentese
Turkey**

Sessions 6B

Critical infrastructures

Chair: James Hagen, USA

0900 – 0930: [“Critical Infrastructures – A Case Study From The North – Western Romania Power System”](#)

**Alexandru Ozunu
Romania**

0930 – 1000: [“Dam Safety And Deformation Monitoring \(A Study On Oymapinar Dam\)”](#)

**Halil Erkaya
Turkey**

1000 – 1030: [“Risk Assessment of Infrastructures in Typhoon-Rainstorms Prone Regions of China”](#)

**Defu Liu
China**

Sessions 6C

Emergency planning

Chair: Teodora Ivanusa, Slovenia

0900 – 0930: [“Development Of Integrated Emergency Management Model For Ships In Distress”](#)

**Snjezana Knezic
Croatia**

0930 – 1000: [“Implications Of People's Risk Perception For Conceptualizing Emergency Preparedness”](#)

**Bernd Rohrmann
Australia**

1000 – 1030: [“Disaster Preparedness: A Challenge for Hospitals in Rural India”](#)

**Susan Madison Smith
USA**

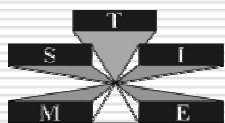
Workshop 3

**Chair: Martin von Bergh,
Germany**

0900 – 1030: [“New Solutions And Technologies For Detecting Chemical & Biological Agents”](#)

**Marc Van Hooghten
Belgium**

1030 – 1100 Coffee



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Day 3 – Thursday, 11 June 2009

Keynotes 3: 1100 – 1230

1100 – 1230: Keynotes 3

Chair: Giedo Van pellicom – TIEMS Principal Administration Officer, Belgium

1100 – 1130: *“The Global Forum on Biorisks: A Comprehensive, International, Multisectoral Approach”*

Gerald Epstein, Senior Fellow – Center for Strategic & International Studies, USA

1130 – 1200: *“A User Driven Initiative to Tailor SATCOM Services for the Benefit of Civil Protections in Europe”*

Pierluigi Mancini, Head of the Future Programmes and Applications Division – ESA, France and Jerome Bequignon, Senior Coordinator – ESA, France

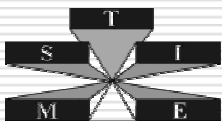
1200 – 1230: *“Risk communication for saving health and life”*

Britt-Marie Drottz Sjöberg, Professor – NTNU, Norway

1230 – 1300 *“Earthquake Loss Information Generation for Earthquake Emergency Management”*

Prof. Dr. Mustafa Erdik, Bogazici University , Turkey

1300 – 1400 Lunch



Day 3 – Thursday, 11 June 2009

Posters Speakers Corners/Parallel Sessions 7/Workshop 3: 1400 - 1530

Posters Speakers Corner

- ["Current Status of the Istanbul Disaster Information System Project"](#)
Turan Erden, Turkey
- ["Entropy Analysis of Images Used in Disaster Information Systems"](#)
Serdar Bilgi, Turkey
- ["Earthquake Loss Assessment For The City Of Dinar"](#)
Ibrahim Tiryakioglu, Turkey
- ["Design Of Geodetic Control Networks With Fault Parameters For Disaster Management"](#)
Kerem Halicioglu, Turkey
- ["Use Of Geospatial Tools In Emergency Management"](#)
Turan Erden, Turkey

(The posters will be accessible all through the conference, but this time slot is made for conference focus on posters)

Session 7B

Crisis management

Chair: Alan Jones, UK

1400 – 1430: ["Crisis Management Mobile Centre"](#)
Ludek Stolba
Czech Republic

1430 – 1500: ["The Role Of International Security Organizations In The Region: Between Traditional Role And Crime Prevention"](#)
Bernarda Tominc
Slovenia

1500 – 1530: ["GUIDEKEEPER Security Concept of Operation \(SECOP\) to improve the operation of Unmanned Platforms for Wide Area Land and Sea Border Surveillance in Europe"](#)
Arie Lavie
Israel

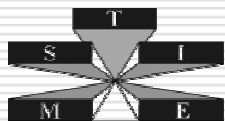
Workshop 4

Chair: K. Harald Drager, Norway

1400 – 1530: ["For a Turkish extension of European Multilingual Glossary of Risk Management"](#)

Gertrud Greciano, University of Strasbourg,
Ayfer Aktas, Marmara University, Istanbul &
Nehir Varol, EUR-OPA Major Hazard Agreements

1530 – 1600 Coffee



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Day 3 – Thursday, 11 June 2009

China and 2010 TIEMS Annual Conference: 1600 – 1730

1600 – 1730: TIEMS 2010 in China

Chair: K. Harald Drager – TIEMS President, Norway

1600 – 1630: *“Earthquake History in China, and the Wenchuan 8.0 Earthquake”*

Guosehng Qu, Professor – National Earthquake Response Support Service (NERSS), China

1630 – 1700: *“The Chinese Emergency and Disaster and Emergency Management Training Centre in Beijing, China – The Location for TIEMS 2010”*

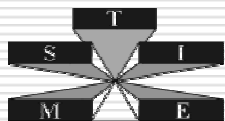
Shan Chunchang, Director of the Expert Panel for the Emergency Management Taskforce under the General Office of the State Council, China

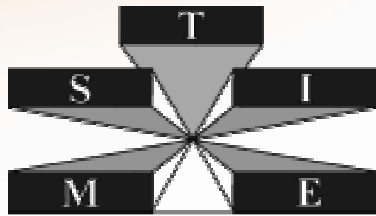
1700 – 1730: *“Welcome to TIEMS 2010 in Beijing, China”*

Ji Zhang, Managing Director – HARMONY Technologies Co., Ltd, China

1730 – 1900 Exhibition & Posters Walkthrough

1900 – 2200 Gala Dinner with Closing Ceremony





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