



TIEMS International Pool Teacher & Trainer Biography

Name: *Guosheng Qu*

Position: *Dr. Prof. of NERSS
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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