



TIEMS International Pool Teacher & Trainer Biography

Name: *Ji (Jack) Zhang*

Position: *Chief Executive Officer*

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Biography:

Dr. Ji (Jack) Zhang is the President of Beijing HARMONY Technologies Company and the head of Harmony International Disaster Reduction and Emergency Management Academy (HiDREMA). He has a Ph.D of management from China Academy of Sciences, MBA from Peking University and BE of Electrical Engineering & BS of Applied Mathematics from Tsinghua University.

Dr. Zhang has abundant working experiences in the IT industry in well-known companies such as Lenovo, IBM, and Micron Technology Inc. among others. His main areas of study focus on government emergency management information systems, Internet of Things (IOT) technology, emergency response plan study, and homeland security, particularly national critical infrastructure and key resource protection.

Establishing the Beijing HARMONY Technologies Company in 2002, Dr. Zhang developed the first domestic government emergency management information software in China in 2003 against SARS. Beijing HARMONY today has grown to be the biggest IT enterprise in the industry of emergency management in China.

With ten branch offices in China in Shanghai, Guangzhou, Chengdu etc., HARMONY Technologies and HiDREMA provide comprehensive consultation, ICT system integration and services to the Chinese enterprise, government and public customers in disaster reduction and crisis management.

Dr. Zhang is the undertaker of the Emergency Response System (ERS) research project for the Emergency Management Office (EMO) of the State Council of China, the consulting member of Beijing EMO Research Group, the chief designer for the ERS platform of the Beijing 2008 Olympic Games, co-founder of China-Japan IOT(Internet of Things) Development Alliance and consulting member of China ZGC IOT Industry Alliance. He has published extensively and is a member of various leading professional and scientific organizations, including the the Healthcare Information and Management Systems Society, the Organization for the Advancement of Structured Information Standards and the PSC Europe Forum. Dr. Zhang is presently the director of Communication and Publications of The International Emergency Management Society (TIEMS) and the Secretary of TIEMS China Chapter.



TIEMS International Education Program Course

Teacher & Trainer: *Ji (Jack) Zhang*

Title of Course: *Global ICT Applications in Emergency and Disaster Management*

Course content:

Under the global concepts in emergency management, preparedness, prevention, disaster response and recovery, Dr. ZHANG made specific research on the new ICT application and development in the different phases of EMDR. Some courses or topics he ever delivered in big EM conferences or workshops are as below.

Topics Include:

- The Application of Internet of Things(IOT) in Emergency Management System in China
- Resilience lessons from China
- Possible hurdles on the road toward the future internet
- The protection of the Chinese national critical infrastructures from the three-year practice and revision of US NIPP
- The Role of Government Emergency Management Information System in Emergency Rescue
- Brief Introduction of China's Emergency Management under the Construction of Harmonious Society
- 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
- Enabling Multilateral Approaches Through Technological Developments in Large Scale Terrorist Attack
- Emergency Management ICT platform of the Beijing 2008 Olympic Games
- The Introduction of Basic Social Emergency Response Unit (BSERU) Networking System for EM Strategies in planning for and initiating recovery from disaster
- China practice - From Government EMS to Digital City