

*DCDF2008*

## **The 5th High-Level Digital China Development Forum**

### **Workshop of**

#### **“Digital Disaster Reduction and Emergency Management”**

To exchange the new technology, results and progress in the “Digital China” and “Digital Earth” filed, to impel the development of the “Digital China” project- related technology, especially the spatial information technology, to promote China's "Digital China" project and the healthy development of the industry, and to improve the management level during and after the construction of “Digital China” project, Peking University and International Society for Digital Earth will jointly host the “The 5th High-Level Digital China Development Forum & Chief Information Officer Summit” ( DCDF2008 ) and “the exhibition on the production of Digital China and digital technology 2008 ” in Beijing from Dec. 6~8, 2008. Important information to the Sub-forum of “Digital disaster reduction and emergency management” in “The 5th High-Level Digital China Development Forum & Chief Information Officer Summit” ( DCDF2008 ) are as follows:

#### **Background**

Natural disasters happened frequently around the world in the 21st century and its strength exceeds the same period of the last century. The India Gujarat Earthquake in 2001, the Iran Bam earthquake in 2003, the Indian Ocean earthquake and tsunami in 2004, the Hurricane Katrina in 2005, the Pakistan earthquake in 2005, and especially the Hurricane Myanmar and China “512 Wenchuan” earthquake in 2008 caused heavy casualties and economic losses.

Nature disasters, especially earthquake, always burst suddenly, influence a wide range, cause heavy loses and great social affect, and mean relief difficulty; emergent, regional

natural disasters need regional, national and international communities to work together to respond. This special sub-forum is a new set-up in the "Digital China" Forum for the current urgent needs for the emergency management and disaster reduction, the sub-forum combines with the content of the National Guideline on Medium-and Long-Term Program for Science and Technology Development, as well as the important support direction of the "11th Five-Year Plan" national public safety contingency planning, and this sub-forum is to discuss the planning of emergency management and disaster reduction and the research and implication of the key technology of digital information in the monitoring, early warning and emergency disposal of major nature disaster, to increase the degree of information-based digital disaster reduction and emergency management, and to raise the level of the national emergency management and disaster reduction and the capacity of the emergency response. The specific details of the sub-forum will include discussions on conceptual framework, technology scheme and business model, exchange of experiences, project planning and future development proposals and so on.

**Meeting Place:**

Peking University, Beijing.

**Meeting Time:**

Morning of Dec. 8, 2008

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**Organizer:**

Peking University  
International Society of Digital Earth

**Execute Organizer:**

Institute of Digital China, Peking University

**Co-organizer :**

The International Emergency Management Society ( TIEMS )

Disaster Mitigation Center, Ministry of Civil Affairs of the People's Republic of China  
 National Earthquake Response Support Service (NERSS), China Earthquake  
 Administration (CEA)

### Meeting Host:

Li Jing, Prof. and Chief Engineer, Disaster Mitigation Center, Ministry of Civil Affairs  
 of the People's Republic of China

Qu Guosheng, Prof. and Chief Engineer, National Earthquake Response Support  
 Service (NERSS), China Earthquake Administration (CEA)

### Participants:

About 40 experts from institutes and universities participates this workshop in 8, Dec.  
 2008.

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### Agenda

|               |   |                  |  |
|---------------|---|------------------|--|
| 08:30 ~ 10:00 |   |                  |  |
| 1             | Application of ICT in Earthquake<br>Catastrophe Response and SAR                                  | Qu<br>Guosheng   | National Earthquake Response<br>Support Service (NERSS)                |
| 2             | Meteorological Disaster Emergency<br>Response System and Unexpected<br>Public Emergency Incidents | Wang<br>Weiguo   | National Meteorological<br>Center, China Meteorology<br>Administration |
| 3             | Research and Practice of<br>Unexpected Public Emergency<br>Incidents Platform                     | Yuan<br>Hongyong | Tsinghua university  |
| 4             | Public Security Emergency<br>Management Platform  | Zhou<br>Daliang  | Beijing Easy-Map Information<br>Technology Co. Ltd                     |
| 10:10~12:15   |   |                  |  |
| 5             | Application of UAV Remote<br>Sensing in Earthquake Relief   | Li Jing          | Disaster Mitigation Center,<br>Ministry of Civil Affairs of the        |

|   |  |                  |  |
|---|--|------------------|--|
|   | Effort   |                  | People's Republic of China   |
| 6 | The Development and Application of 3D Digital Basin System for Flood and Drought Mitigation in China   | Yuan<br>Ximin    | Research Center on Flood and Drought Disaster Reduction of the Ministry of Water Resources |
| 7 | Path Model Research of Emergency Response and SAR in Complicated Construction Based on 3D GIS  | Zhang<br>Liqiang | Beijing Normal University  |
| 8 | Similarities and Differences Analysis and Case Introduction of Government Integrated Emergency Management, Government Special-project Emergency Commanding and Emergency Response Information Platform of Enterprise | Zhang Ji         | Beijing HARMONY Technologies Co.Ltd  |

