



ISCRAM-CHINA



Gi4DM

CALL FOR PAPERS

Joint ISCRAM-CHINA and Gi4DM Conference on Information Systems for Crisis Management

*Conference Theme: Information Systems and Geo-Information
for Urban Crisis Management*

August 4 - 6, 2008

Harbin Engineering University, Harbin, China

<http://www.iscram.org/>
<http://www.conference-heu.com/>

CALL FOR PAPERS

The joint Conference on Information Systems for Crisis Management combines the programs offered by the **3rd International China Workshop on Information Systems for Crisis Response and Management** (ISCRAM-CHINA) and the **4th International Symposium on Geo-Information for Disaster Management** (Gi4DM). The language of the conference is English.

Papers are invited that deal with any aspect of the design, development, deployment, operation, or evaluation of information systems for crisis management (**ISCRAM track**) and/or the collection, management, analysis, sharing and visualization of geo-information for disaster management (**Gi4DM track**).

Authors should focus on the tools, functionality, and/or interfaces that are being or should be provided to human users involved with crisis response and management. Contributions are invited that cover crisis management in any phase, intersection of phases, and/or integration of phases of Planning, Training, Mitigation, Detection, Alerting, Response, Recovery, and Assessment.

JOINT CONFERENCE OF ISCRAM-CHINA and GI4DM

- **ISCRAM:**

The ISCRAM community is an internationally active and growing group of researchers, scholars, teachers, students, practitioners and policy makers actively involved in the topic of Information Systems for Crisis Response and Management. In addition to an annual ISCRAM conference alternating between Europe and the USA since 2004, the ISCRAM community also organizes annually a Summer School for PhD students and an International Workshop in China. The PhD summer school takes place in Tilburg University in the Netherlands in June, where about 20 PhD students from all over the world work on selected themes. The ISCRAM-CHINA Workshop aims to provide an outstanding opportunity for researchers, practitioners and policy makers in China to address and discuss new trends and challenges in the area of Information Systems for Crisis Response and Management.

- **Gi4DM:**

Anticipating the obvious and growing importance of geoinformation for disaster and risk management a separate group of researchers, professionals and vendors have begun a worldwide discussion on collection, management, analysis, sharing and visualization of geo-information. The Gi4DM is coordinated by the ISPRS Working Group on "Spatial data integration for emergency services". Three editions of this series of symposia have taken place in Delft, The Netherlands, March 2005, in Goa, India, September 2006, and in Toronto, Canada, May 2007. The fundamental goal of the symposia was to begin a dialogue on the disaster management problems in their entirety by considering geospatial technologies applicable for emergency and disaster management, as well as particular user requirements for spatial data and standards.

CONFERENCE TOPICS

The indicative topics of interest will at least cover the fields of enterprise crisis management, public security and crisis management in city development, geo-information systems for disaster management, industrial crisis management, incident management systems, etc. The following themes and topics are for reference:

User Requirements

- Organisational and legal aspects of emergency response
- Coordination among agencies and public
- Best practices examples of possible information system solutions
- Design requirements for disaster response information systems
- International initiatives for disaster management

Monitoring and Processing

- Data acquisition by spaceborne, aerial, and terrestrial remote sensing
- Sensor networks and geospatial sensor web
- Multi-platform and multi-sensor data integration solutions
- 3D data processing techniques
- 3D feature extraction and reconstruction algorithms

Geographic Information Systems

- Spatiotemporal GIS and other data models relative to disaster management
- Geospatial semantic and ontology
- Standardization developments
- Spatial algorithms for crisis management
- Geospatial visualization and geovisual analytics in crisis management

System & Software Development

- Light and flexible approaches to integration
- Service composition, development and discovery
- Adaptive process management
- Security and privacy
- Intelligent agents and multi-agent systems

Human Computer Interaction

- Emotions in Interaction
- User interface design issues
- Cognitive resources in stressful situations
- Trust in adaptive interactive systems
- Modelling of group behaviour

Training & Simulation

- Games for crisis situations
- Training human improvisation
- Simulation tools for crisis situations
- Computer mediated collaboration
- Team work and cultural differences

Systems & Organization

- High reliability organizations
- E-participation in emergency planning
- Crisis communication and virtual communities
- Study of fault tolerance and robustness in incident management
- Emergent organizational structures

PAPER SUBMISSION

Prospective authors must submit an abstract of their paper by February 15, 2008, and indicate whether they submit to the ISCRAM track (for papers focusing on Information Systems) or to the Gi4DM track (for papers focusing on Geo-Information). Upon acceptance, authors will be invited to submit their full paper by April 15, 2008. All abstracts and papers will be evaluated and selected by the International Scientific Committee.

Template: Abstracts and full papers must use the Conference Template which is available from <http://www.iscram.org> (ISCRAM-CHINA2008 menu).

Submission: Submissions by e-mail only to the following address: iscramchina@hrbeu.edu.cn

PROCEEDINGS

The Joint Conference will produce 2 "Joint ISCRAM China - Gi4DM Conference on Information Systems for Crisis Management" Proceedings: one published by SPIE (electronically only) and one printed volume published by Harbin Engineering University Press. The SPIE Proceedings are currently under negotiation (to be confirmed) and will be indexed by EI, and the printed proceedings will be indexed by ISTP.

IMPORTANT DEADLINES

- Abstract Submission Deadline: February 15, 2008
- Notification of Abstract Acceptance: March 1, 2008
- Full paper submission: April 15, 2008
- Notification of Full Paper Acceptance: May 15, 2008
- Early Registration Deadline: May 30, 2008

The Conference registration fee is USD300. An additional charge of USD65 will be applied to those authors whose paper is accepted for publication in the SPIE Proceedings.

CONFERENCE HOST

The host of the joint conference is Harbin Engineering University, Harbin, China
<http://www.hrbeu.edu.cn>

Conference Honorary Chair:

Wanxin Gao, Harbin Engineering University, China

Conference Chair:

Baizhou Li, Harbin Engineering University, China

Conference Co-Chairs:

Bartel Van de Walle, Tilburg University, The Netherlands

Sisi Zlatanova, Delft University of Technology, The Netherlands

Scientific Committee

Jonathan Li, University of Waterloo, Canada (**Chair**)

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Binxing Fang, Ministry of Information Industry, China

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Gerhard Gröger, University of Bonn, Germany

Linsheng Gu, Tsinghua University, China

Roxanne Hiltz, New Jersey Institute of Technology, USA

Gabrielle Iglesias, Asian Disaster Preparedness Center, Thailand

Murray Jennex, San Diego State University, USA

Mikael Jern, Linköping University, Sweden

Qingshan Jiang, Xiamen University, China

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Norman Kerle, ITC, The Netherlands

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Erik Kjems, Aalborg University, Denmark

Jonas Landgren, Viktoria Institute, Sweden

Jiyeong Lee, University of Seoul, South Korea

Guangyun Li, Zhengzhou Institute of Surveying and Mapping, China
Jing Li, Beijing Normal University, China
Qingquan Li, Wuhan University, China
Songnian Li, Ryerson University, Canada
Jingguo Liang, Harbin Engineering University, China
Tiemin Liu, Academy of Safety Science and Technology, China Robert MacFarlane, Emergency Planning College, UK
Carleen Maitland, Pennsylvania State University, USA
Robert Mikol, University of Alaska, USA
Darka Mioc, University of New Brunswick, Canada
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Qing Zhu, Wuhan University, China
Alexander Zipf, University of Bonn, Germany

Local Organizing Committee:

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