



5th International Conference on
Information Systems for
Crisis Response and Management

Washington, DC, USA
May 4-7, 2008
<http://www.iscram.org>

CALL FOR PAPERS

FOR A SPECIAL *ACADEMIC* SESSION ON

Observation systems in crisis situations

Session ID: HCI-05

Motivation

Observations play an important role in crisis management. Information about crisis can be provided by many systems ranging from the low-sensoric level up to the high semantic level. The systems can be operated by humans or by agents. In case of human observations, there are systems for professionals and for non-professionals, systems that are based on one or more modalities. The information can be provided remotely in time and place, has to be fused and semantically interpreted. In current crisis management, decision making takes place in a centralized or de-centralized way and on different locations. In all these cases complete and un-ambiguous specific data is needed to take efficient and effective decisions and actions. This requires distributed data storage, faster easy access to databases, and reliable communications via wired and non-wired networks.

Research Area

In this session we expect papers from different areas. We firstly welcome contributions from human computer interaction about multimodal interfaces; next, contributions on how to fuse, process and store multimodal data; contributions about knowledge based, fully automated systems; finally papers about data methodologies used to design intelligent human-computer interaction.

Topics

The following is a non-exhaustive list with topics of special interest:

- *Smart human-computer interfaces*
- *Dialog management*
- *Agent technology*
- *Bayesian networks for crisis management*
- *Smart sensors*
- *Usability of adaptive systems*

- *Context awareness*
- *Modeling emotions in cognitive processing and decision making*
- *Engineering experiences*
- *System reliability*

Type of contribution:

- **Academic Session:** We invite researchers from academia or research labs to present their research or research-in-progress papers. Prospective presenters submit a regular research (or research-in-progress) paper.

Important Notice:

- All submissions must be formatted according to the ISCRAM 2008 formatting guidelines. Templates and instructions are published on www.iscram.org.
- All submissions must be submitted through the ISCRAM 2008 conference paper submission web page at www.conftool.com/iscram2008. Instructions for the ConfTool system can be found on www.iscram.org.
- All papers and presentations will go through a double-blind review process, leading to a decision of (conditional) acceptance or rejection.
- Accepted papers will be included in the ISCRAM 2008 program and published in the official proceedings if and only if
 - (1) the paper is formatted according to the instructions,
 - (2) the authors sign the copyright transfer form and
 - (3) one of the authors registers for the conference and pays the registration fee before the cut-off date for early registration.
- Authors who have multiple papers accepted can only register for and present one paper at the conference; co-authors need to register separately.

Session Chairs:



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Important ISCRAM 2008 Dates:

- December 21, 2007: Paper submission deadline
- February 10, 2008: Notification of (conditional) acceptance
- February 22, 2008: Early registration deadline
- March 1, 2008: Final camera-ready paper submission deadline
- May 4-7, 2008: ISCRAM 2008

About ISCRAM:

The ISCRAM Community is a worldwide community of researchers, scholars, teachers, students, practitioners and policy makers interested or actively involved in the subject of Information Systems for Crisis Response and Management. At its annual international conference alternating between the US and Europe, the ISCRAM Community gathers to present and discuss the latest research and developments in this growing area during an interactive and stimulating 3 day program. The ISCRAM Community also organizes an International Summer School for PhD students and ISCRAM-CHINA, an annual conference for ISCRAM research in China. All information on ISCRAM can be found at <http://www.iscram.org>

ISCRAM 2008 will be held from 4-7 May at the George Washington University (GWU) located in Washington, DC, USA. The conference will be hosted by GWU's Institute for Crisis, Disaster, and Risk Management (ICDRM). All details on this conference will be made available via the ISCRAM website mentioned above.