



ISCRAM2009
**The 6th International Conference on Information Systems for
Crisis Response and Management**

Gothenburg, Sweden
May 10-13, 2009
<http://www.iscram.org>

TRACK: STANDARDIZATION AND ONTOLOGIES

CALL FOR PAPERS

FOR A SPECIAL SESSION ON

**Architectures to support interoperability between
partners of crisis reduction**

Session ID: STANDARD1

Motivation

Interoperability of partners' Information Systems is essential given the need for partners to cooperate and coordinate their activities in order to reduce a crisis in an efficient way. Due to organizational, conceptual and technological heterogeneity of involved partners, it is a strong point to deal with. This special session intend to explore architectures and frameworks able to support interoperability between these systems involved in the crisis reduction.

This special session aims at presenting a large scale of ISs interoperability solutions such as conceptual frameworks (for instance crisis ontologies) or technological approaches (for instance SOA approach). The specific notion of agility of such solutions is a major issue of this session (due to the obvious instability of crisis situations).

Research Area

Solving the various semantic and syntactic conflicts that are bound to occur between the several autonomous, heterogeneous and possibly distributed Information Systems is an unavoidable requirement to ensure interoperability of actors.

During ISCRAM 2008, several papers presented results about ontologies (to fill the semantic gap between actors of crisis reduction) and network architecture (to support their common process). This session aims at showing that those fields are strongly connected and that the characterization of the situation impacts the deployment of the right dedicated network (on a static plan and on a dynamic plan).

This objective implies that articles which will be presented in this special session should deal with the life-cycle of IS design in crisis context: from situation characterization to technical deployment.

Topics

Some non-exhaustive examples of topics that could contribute to this session are:



- *Ontologies and meta-model for crisis characterization*
- *Topology, patterns and models for architecture*
- *Design approach for crisis reduction Information System*
- *Agility, adaptation and runtime reconfiguration*
- *Requirements engineering in crisis reduction*
- *Model transformation and refinement*
- *Frameworks for Information System interoperability*

Type of contribution:

- **Academic contribution:** 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.
- **Practitioner contribution:** we invite practitioners to present their practice or experiences in information systems development, use or needs. Prospective presenters submit a short practitioner paper or a Powerpoint presentation along with an abstract.

Important Notice:

- All submissions must be formatted according to the ISCRAM 2009 formatting guidelines. Templates and instructions are published on www.iscram.org.
- All submissions must be submitted through the ISCRAM 2009 conference paper submission web page at www.conftool.com/iscram2009. 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 2009 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 2009 Dates:

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| • Submission deadline: | January 11, 2009 |
| • Notification of conditional accept: | February 16, 2009 |
| • Final submission revised paper: | March 1, 2009 |
| • Final author notification: | March 9, 2009 |
| • Early registration deadline: | March 22, 2009 |
| • Conference: | May 10-13 2009 |

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>



This year the conference will be held from 10-13 May at the Göteborg University located in Gothenburg, Sweden. The conference will be hosted by the Viktoria Institute and the IT-university of Gothenburg. All details on this conference will be made available via the ISCRAM website mentioned above.