



VANCOUVER CANADA
April 22 - 25, 2012

ISCRAM2012
**Integrative and Analytical Approaches to Crisis Response and
Emergency Management Information Systems**
**9th International Conference on
Information Systems for Crisis Response and Management**
**Morris J Wosk Centre for Dialogue
Simon Fraser University**

www.iscram.org/iscram2012

TRACK: Modelling and Simulation

Introduction of the track

The purpose of this track is to discuss the development of systems that seek to improve decision making through the quantitative modeling of information, often in real time, using techniques such as simulation, optimization, and statistical analysis. Such systems can be particularly important in the context of managing the response to a disaster because better decision making can lead to improvements in operational effectiveness and response times, and thus save lives and protect key resources. Similarly, in the context of disaster relief situations, improving the ability to make informed decisions can help relief agencies identify operational efficiencies and therefore lead to more effective use of limited resources.

This track invites both theoretical and applied research papers discussing topics relevant to the concepts of modelling and simulation. The overall purpose of the track is to provide a dedicated venue for such research to be shared and discussed, and thus to highlight the breadth and depth of efforts to improve the efficiency and effectiveness of disaster operations management.

Track topics

Topics include (but are not limited to):

- Quantitative modeling and process optimization associated with mitigation, preparedness, response, or recovery
- Decision support systems
- Modeling disaster resilience
- Supply chain logistics for disaster relief and recovery
 - Facility location
 - Resource distribution and routing
 - Scheduling
- Simulation
- Stochastic optimization and modeling
- Data mining and information analysis

Track Chairs

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Type of submissions

ISCRAM2012 is soliciting three types of submission:

1. Full research papers, which will be double blind peer reviewed. It is intended that these will report completed work which can be assessed to the highest academic standards. Such papers should be no more than 10 pages with figures & tables (~5000 words)
2. Work in progress and discussion paper which will be subjected to a light peer review to ensure clarity. Such papers should be no more than 5 pages with figures & tables (~2500 words)
3. Practitioner reports and discussions which raise issues, examples and case studies of importance in responding to and managing crises. Such paper will be subject to a light peer review to ensure clarity and should be no more than 5 pages with figures & tables (~2500 words)

Note that the designation of the paper and its reviewing will be indicated in the conference proceedings. Also we are not trying to create some concept of first and second quality papers. Rather we are aware that some report finished work which can be assessed in the sense of full peer review and contribution to research, while others offer ideas and thoughts which will stimulate discussion at ISCRAM conferences. The latter are vital if we are to make the conference valuable for shaping our subject. Full papers, work-in-progress papers and poster abstracts will be published in the proceedings.

Note that the ISCRAM paper template is available at www.iscram.org/iscram2012 under the “submissions” tab. All submissions must conform to ISCRAM formatting guidelines.



Submission process and deadlines

Authors must submit papers and posters electronically at <https://www.conftool.com/iscram2012/>. All papers must use the ISCRAM MS Word template for papers. Deadlines for each submission format are listed below:

Submission Deadline Schedule for Papers, Posters, and Doctoral Colloquium:

Full paper submissions -- November 15th, 2011

Work-in-progress paper, practitioner papers, posters -- January 15th, 2012

Doctoral student colloquium papers -- February 15th, 2012

Submission site: <https://www.conftool.com/iscram2012/>

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. Full information on ISCRAM can be found at www.iscram.org.