



*ISCRAM2010*

Defining Crisis Management 3.0  
7th International Conference on  
Information Systems for Crisis Response and Management

May 2-5 2010  
Crowne Plaza Hotel  
Seattle Washington USA

**TRACK: Intelligent Systems**

**Introduction of the track**

The aim of this track is to bring together sessions for researchers and practitioners working on state-of-the-art crisis information systems that exhibit some degree of intelligent behaviour.

Providing adequate information management and decision support during a crisis situation makes exacting demands on the information systems employed. Acquiring, filtering, organizing, representing, reasoning with and distributing relevant information to the right stakeholders at the right time and in the right format is a challenging and complex task. Intelligent systems provide a way of managing this complexity. Such systems may be deployed to help emergency responders to maintain their preparedness, to manage the crisis or to implement the recovery. During the highly uncertain, high-tempo, high-stake situation usually constituted by an emergency response environment, intelligent systems help to reduce the cognitive workload of personnel, and they help to manage the emergency in the most efficient and effective way possible.

Intelligent systems will display some ability to reason, perceive, learn or act intelligently in their environments; and they may have proactive, reactive, autonomous and/or social aspects. Techniques from Artificial Intelligence and a sound understanding of cognitive science may be employed to develop such robust and adaptable information management and decision support systems.

Sessions in this track will welcome contributions to the theory, methodology and practice of developing and evaluating intelligent systems in the context of crisis response and management. The track will result in the continued forging of a community interested in intelligent systems in this context.

**Track topics**

- Cognitive systems
- Intelligent agents and agent based systems
- Distributed problem solving
- Intelligent web based applications
- Intelligent user interfaces
- Socio-cognitive modelling
- Agent models of social behaviour

- Agent based social simulation as a decision making tool
- Adaptive and self organizing systems
- Machine learning
- Knowledge representation, discovery and reasoning
- Planning and scheduling
- Group decision making
- Social intelligence
- Intelligent training systems
- Automatic negotiation of trust
- Simulation
- Knowledge based systems

#### **Track co-chairs**

- Frank Fiedrich, Institute for Crisis, Disaster, and Risk Management, The George Washington University, Washington, DC, USA
- Gerhard Wickler, Artificial Intelligence Applications Institute, University of Edinburgh, Edinburgh, Scotland
- Julie Dugdale, MAGMA – LIG. Multi-agent systems group, Grenoble Informatics Laboratory, Grenoble, France

***Note that the general call for papers, descriptions of other tracks and special sessions as well as guidance on housestyle and formatting with a MS Word template for submissions are available at [www.iscram.org](http://www.iscram.org).***

#### **Type of submissions**

ISCRAM is aware that it serves a wide community of different disciplines spanning both academic and practitioner interests. The demands on individuals from their various professions differ greatly in terms of publications and conference presentations. Academics need conferences and related publications to conform to certain standards – time consuming standards – of peer review; practitioners have far greater time pressures and often do not need such formal reviewing of their work for career progression. All have relevant and important perspectives on the issues that face us.

ISCRAM2010 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 peer review to ensure clarity, relevance and significance. 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, examples of best practices, improvements, and significant insights or examples. Such paper will be subject to a peer review to ensure clarity, relevance and significance. Such papers 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 anyone is welcome to submit any of these types of submission: the first is not confined to academics nor the third to practitioners.

## Presentations

ISCRAM will have plenary, parallel and poster sessions. Accepted papers will be assigned to the most appropriate track given the reviewers reports and the papers objectives. Such designation of the paper will be advised at the time of the acceptance of the paper.

## Demonstrations

There will also be possibilities for demonstrations. These may be associated with a paper or simply stand alone. If you wish to have a demonstration associated with your paper, please email the conference organisers to this effect. However, you must submit the paper separately for review as indicated below. Contributors simply wishing to demonstrate their systems or technologies without any associated presentation should email the conference organisers. ([iscram2010@iscram.org](mailto:iscram2010@iscram.org)).

## Submission Process and Deadline

Submissions must be in the ISCRAM housestyle. Details of this and a Word template implementing it are available at [www.iscram.org](http://www.iscram.org).

**Submissions must be made online by November 16th, 2009.**  
The online submission site will open in early Autumn. Details will be announced on [www.iscram.org](http://www.iscram.org).

## 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](http://www.iscram.org).

## Rough Schedule of Important Dates

Although this is our 7<sup>th</sup> ISCRAM, the ISCRAM association is young; its first elected Board barely formed. Thus, while we have some well advanced ideas of what ISCRAM2010 will look like, we hope to involve you, the attendees, in planning the event. The dates below are still rough, but they should serve to set expectations. And be warned -- key dates for submission will be advanced over those in previous years.

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| Mid August:     | Call for papers issued.   |
| Nov 16, 2009:   | Submission of full research papers.   |
| Early Jan 2010: | Acceptances or otherwise of full papers announced.  |
| Jan 18, 2010:   | Submission of work in progress papers, demos and posters.   |
| Early Feb 2010: | Closing date for applications for doctoral consortium, and any workshops or tutorials which require separate registration and pre-event communications.   |
| Mid Feb 2010:   | Acceptances or otherwise of work in progress papers, demos and posters announced. Notification of acceptance of places at doctoral consortium and other workshops with limited registration.                              |
| End Feb 2010:   | Final submission of all accepted papers, full, work in progress or practitioner reports, for inclusion in the proceedings. Note that by this date at least one of the authors of each paper will need to have registered. |
| Mar 21, 2010:   | Early registration deadline.  |
| May 2-5, 2010:  | ISCRAM2010 conference.  |

Further details of ISCRAM2010, as they become clear, will be published on [www.iscram.org](http://www.iscram.org) and through its discussion and mailing lists.

## Corresponding track co-chairs



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