



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: Planning, Foresight, and/or Risk Analysis

Information Credibility, Trust, Privacy and Security in IS for Emergency Management

**Submission of work-in-progress, discussions, and practitioner
papers remain open until January 18th 2010.**
Submissions of full research papers is now closed.

Submissions should be made through www.conftool.com/ISCRAM2010

Motivation

The usage of cyber infrastructure and Web 2 technologies for emergency management grows ever larger, more complex and more distributed. These systems become more prone to failure due to potential exploitation.

Lacking trained impartial data collectors on the scene, emergency personnel rely on various information resources to paint a picture of the emergency event. Accuracy is a critical dimension of information quality. Emergency personnel can easily acquire false beliefs about a situation as a result of inaccurate and misleading information. False beliefs can lead to significant inappropriate decisions, futile actions, increased chaos, misallocation of resources, libel, defamation, and privacy invasion.

The combination of increased vulnerability, heightened stakes and enlarged threats make information credibility and systems security an important emerging research and implementation topic.

This session has several purposes:

- Create awareness to the problem
- Suggest means to increase information credibility
- Decrease usage of information that is unreliable, biased or outright distorted
- Suggest security approaches that balance a system's usefulness and trustworthiness.

- Suggest security approaches that balance a system's usefulness and privacy concerns.

Research Area

The level of security built into a system can determine what types of information can be transferred; it influences who uses a system and under what circumstance the system can be used. **Security, privacy, information credibility, availability, and user's trust** interact and influence the overall usage of a system(s) which can either leverage or hinder emergency management during any of its phases. Additionally, emergencies cross political and geographic boundaries and so often require collaboration of individuals who have never worked together but must form ad hoc teams exchanging critical data and information. Trust in the other teammates is critical to effective functioning in all phases of emergency management.

Topics

- Trust in collaborative software
- Swift trust in ad hoc emergency teams
- Adversarial Information Retrieval
- Collaboration and trust in crisis management
- Trust in technology; user trust and acceptance of systems
- Incident management and team trust building
- Information credibility evaluation and its applications to crisis management
- Web content analysis for credibility evaluation
- Credibility of Web search results
- Search models and applications for trustworthy content on the Web
- Content credibility of online media, news, multimedia and mash-ups
- Information credibility evaluation in social networks and Web 2.0 applications
- Spatial and temporal aspects in information credibility on the Web
- Information credibility theory and fundamentals
- Estimation of information age, provenance and validity
- Estimation of provenance reputation
- Ramifications of disinformation usage in crisis management systems
- Processing uncertain data and information

Track co-chairs

- Eli Rohn, Cognimax LLC
- Linda Plotnick, Jacksonville State University
- Chamindra De Silva, Tilburg University

Note that more detailed descriptions of the 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.

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 four 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). Authors may prefer to submit an extended abstract rather than the full paper and perhaps a set of powerpoint slides. The template for submission (see below) explains how this may be done.
4. Demonstrations. (see below).

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.

Presentations

ISCRAM will have plenary, parallel and poster sessions. Accepted papers will be assigned to the most appropriate session 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). Note that there is a fuller call for demonstrations on www.iscram.org.

Submission Process and Deadline

Submissions must be in the ISCRAM housestyle. Details of this are provided in a Word document /template, which is available at www.iscram.org.

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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.

Rough Schedule of Important Dates

- Nov 30, 2009: Submission of full research papers ended.
- Early Jan 2010: Acceptances or otherwise of full papers will be announced.
- Jan 18, 2010: Final submission of work in progress papers, practitioner 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.
- Feb 28, 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.
- Early Mar, 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 and through its discussion and mailing lists.

Session Chairs:



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