MINES
Albi-Carmaux

ISCRAM

CALL FOR PAPERS

14th International Conference on
INFORMATION SYSTEMS FOR CRISIS RESPONSE AND MANAGEMENT

"AGILITY IS COMING"

Workshops and Doctoral Symposium May 21th, 2017
Conference May 22nd-24th, 2017

ALBI (FRANCE)
Ecole des Mines d'Albi-Carmaux

Organized by **Ecole des Mines Albi-Carmaux** on behalf of **ISCRAM** association.

SCOPE

The ISCRAM conference aims at exploring all dimensions of **Information System** domain to improve and contribute to **Crisis and Disaster Management**. The scope is by far incredibly wide, which makes one of the main attractive features of ISCRAM conference: "Information System" includes social, psychological, organizational, technological (and many others) aspects, while "Crisis and Disaster Management" refers to all kind of events that affects significantly human kind, from natural disasters to terrorist attacks via all types of accidents. Each and every article presented during ISCRAM conference must have both **"Information System"** and **"Crisis and Disaster Management"** components.

The target acceptation rates for ISCRAM 2017 are 30% for *Completed Research* – CoRe articles (those are articles that could be selected for special sessions of journals) and 50% for *Work in Progress* – WiPe articles.
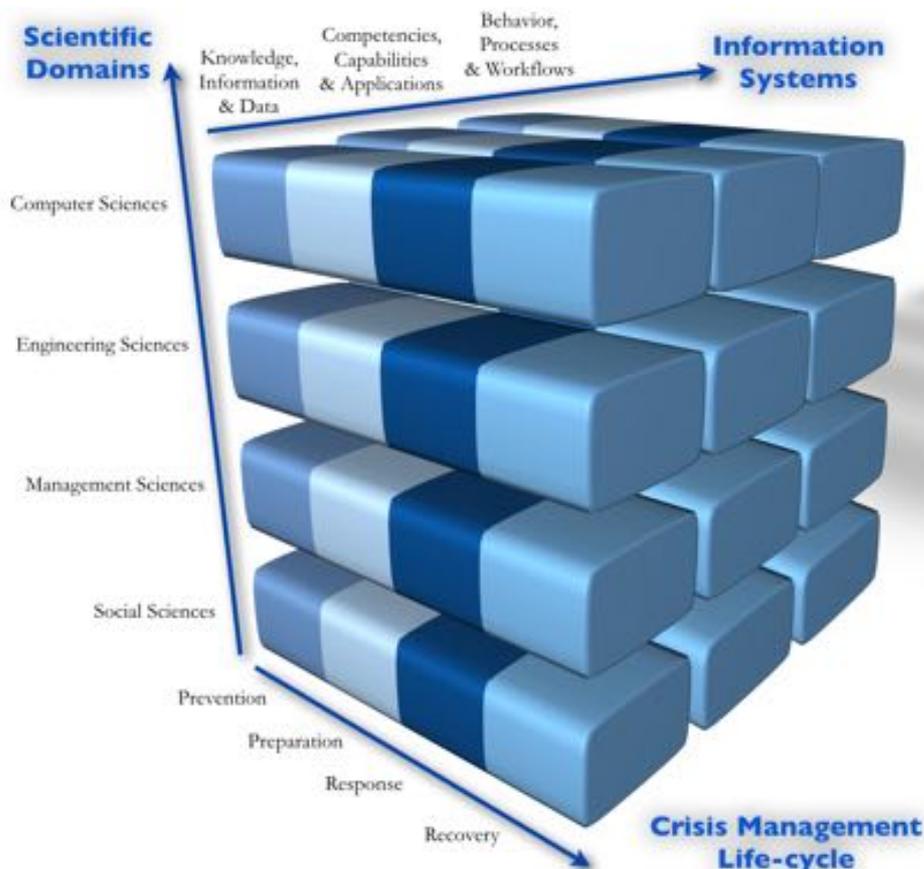
TOPICS OF INTEREST

The theme of ISCRAM2017 is "**Agility is coming**".
There are several components in the concept of **agility that are vital to crisis management**:
(i)   detection, *i.e.,* the ability to diagnose the divergence between the actual and the expected situation,
(ii)   adaptation, *i.e.,* the ability to define and implement a new strategy coherent with the diagnostics,
(iii) reactivity, *i.e.,* the ability to perform *detection* and *adaptation* fast enough to respond to the situation,
(iv) effectiveness, *i.e.* the ability to ensure *detection* and *adaptation* in a pertinent and accurate way.

Moreover, **agility** is one of the key-features to improve crisis management and build a resilient society. We therefore encourage specifically submissions that reflect how information systems can contribute to more agile crisis and disaster response.

ISCRAM invites submissions according to the following **overall framework for ISCRAM 2017**:

Any submission to the conference needs to be clearly positioned along each dimension of the above framework and use the according standards, methodologies and approaches. The scientific committee will select reviewers according to the positioning of the papers in the respective categories.

This framework is organized according to three dimensions:

- *Information Systems*: structured according to the three abstraction layers of IS covering *knowledge* (and associated *information* and *data*), *competences* (and associated *capabilities* and *applications*) and *behavior* (and associated *processes* and *workflows*). This dimension is about the information system paradigm itself and technology as well (ICT, networks, sensors and devices).
- *Crisis Response and Management*: describing the well-known Life Cycle of crisis management, based on the four phases of *prevention*, *preparation*, *response* and *recovery*. This dimension is dedicated to help users and stakeholders to identify the results and works they could be interested in.
- *Scientific Domains* of ISCRAM: a very wide range of sciences useful to address the problems raised by the conference from *social sciences* to *computer sciences* via *management sciences* and *engineering sciences*. This dimension shows the interdisciplinarity and multidisciplinarity characteristics of ISCRAM.

Besides, articles to be submitted to ISCRAM 2017 could concern the following topics:

- **Case studies and reflections from practice**
- **Crisis research methods and modeling approaches**
- **Collaborative and intelligent systems**
- **Command and Control**
- **Crisis planning, training, exercising, and gaming**
- **Data fusion, representation, and visualization**
- **Decision support systems and judgment**
- **Disaster risk reduction, risk management, ad-hoc, and sensor networks**
- **Early warning systems**
- **Ethical, legal and social issues related to IS in crisis management**
- **Geographical Information Systems**
- **Globalization and development issues**
- **Healthcare and health information systems**
- **Humanitarian operations**
- **Humanitarian technology (UAV, Robotics, …)**
- **Information systems strategy**
- **Intelligent systems and Artificial Intelligence**
- **Knowledge management and systems**
- **Social Media for Crisis management**
- **Systems interoperability information systems infrastructures**
- **Virtual teams and organizations**

IMPORTANT DATES

- **Tracks (see the Call for Tracks):**
  - **Track proposals:** **October 28th, 2016**
  - Acceptance notification due: November 10th, 2016
  - Publication on the submission website: November 18th, 2016
  - Paper affectation to Tracks: April 14th, 2017
- **Conference:**
  - **Paper submission deadline:** **January 6th, 2017**
  - Reviews due: February 3rd, 2017
  - Author notification due: February 17th, 2017
  - Corrected version deadline: March 10th, 2017
  - Final selection due: March 17th, 2017
  - Camera-ready deadline: March 31st, 2017
- **Doctoral Symposium:**
  - Application deadline: March 10th, 2017
  - Student notification due: March 31st, 2013
- **Workshops, Demonstrations & Tutorials (see the associated Call):**
  - Proposal due: January 6th, 2017
  - Decision and publication: February 17th, 2017

TRACKS

ISCRAM invites proposal for Tracks to be held during the conference. These tracks can be based on tracks of previous ISCRAM conference or can be completely new. The submitted track proposal must fit into the **overall framework of topics for ISCRAM 2017** presented in the "Topic of interest" section. Tracks will be used to encourage and streamline the submission of papers, position and market ISCRAM in the respective scientific domain and provide a structure to the conference program. As a track chair, you will be responsible for promoting your track, soliciting paper submissions, and facilitating the reviewing process.

More information about the process of track proposal to come at https://iscram2017.mines-albi.fr/index.html. See also the **Call for Track**.

CONFERENCE

Since its establishment in 2004, the **ISCRAM association** has aimed to bring together people from various culture, knowledge and background to design and develop information systems that improve our capacity to avoid, prepare for, respond to and recover from crises, disasters and catastrophes.

The **ISCRAM world conference** is one of the main events for ISCRAMers to exchange and share to try to reach this goal. Organized every year since 2004 (alternating between America and Europe), this conference series provide several original points:

- A vibrant mix of (i) scientists from around the world, (ii) responders from different crisis and disaster management organizations, (iii) practitioners from industry developing crisis management solutions and services, and (iii) institution members concerned by crisis management.
- An interdisciplinary set-up that covers a wide range of scientific domains and facilitates cross-disciplinary discussion and thinking "out of the box" - from social sciences to computer sciences and IT, including management sciences, geography, psychology, anthropology, etc.
- An open vision of "Crisis Response and Management" including humanitarian disasters, homeland security, industrial and human-made crisis situations, accidents of all kinds, etc.
- The conference proceedings will have ISBN and ISSN and will be indexed in Scopus, DBLP, Google Scholar and Compendex. Proceedings will be available online in the ISCRAM Digital Library: http://idl.iscram.org/index.php.

DOCTORAL SYMPOSIUM

The Doctoral Symposium will be an opportunity for students involved in the preparation of their PhD in any area of Information System for Crisis and Disaster Management to interactively discuss their research issues altogether and with senior researchers. More information about the doctoral symposium to come at https://iscram2017.mines-albi.fr/index.html

The doctoral symposium will be held in close collaboration with the ISCRAM Summerschool, May 15-20 in Paris, France. We will be offering package deals for students who attend both events.

WORKSHOPS, DEMONSTRATIONS AND TUTORIALS

ISCRAM world conference invites proposal for workshops, demonstrations and tutorials to be held in conjunction with the main conference (mainly, but non only, on Sunday the 21th of May). Workshops, demonstrations and tutorials should provide opportunities to present and discuss results from collaborative projects, results from specific actual case or studies regarding particular issues.

More information about workshops, demonstrations and tutorials submission process at https://iscram2017.mines-albi.fr/index.html

INSTRUCTIONS FOR AUTHORS

A package with formatting instructions and an MSWord template for **full papers** (from 4000 to 8000 words for CoRe articles and from 3000 to 6000 for WiPe articles) can be downloaded from the section "Paper submission" at https://iscram2017.mines-albi.fr/index.html.
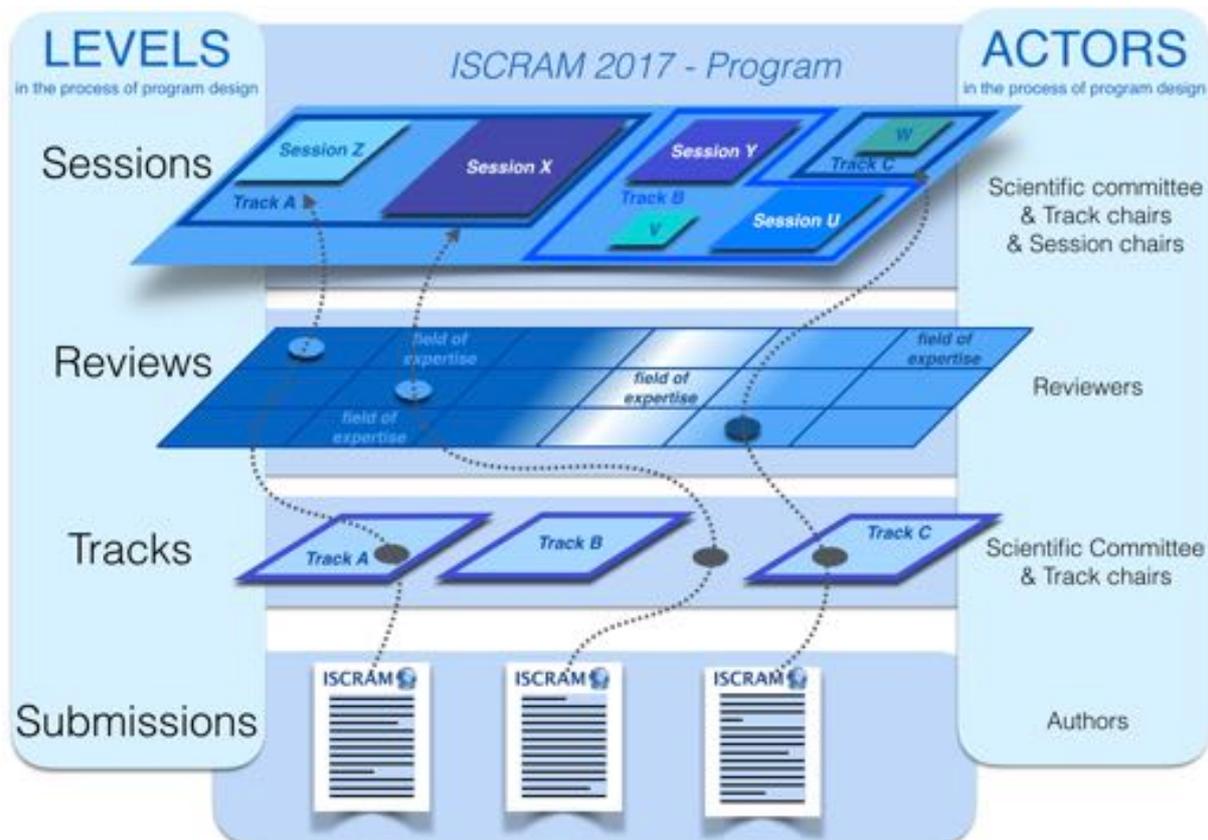
Two types of article are expected:

- **CoRe: Completed Research.**
- **WiPe: Work In Progress.**

Besides, one special award (*Murray Turoff Award*) will be given to the best **insight** article. Insight articles are more practically-oriented articles, which bill be identified and selected among accepted CoRe and

WiPe articles. Then, the gathered insight articles will be evaluated by the Scientific Committee (and especially by the practitioners and responders of the Scientific Committee) to select the winner of the *Murray Turoff award.*

All articles will be evaluated according to the following process: Once submitted (to a specific track or not), articles will be distributed among the pool of reviewers according to their domain of expertise and the topics addressed by the article according to the ISCRAM submission framework. The selected papers will be organized in sessions, distributed among the tracks. This evaluation process is (bottom-up) presented on the following picture:

We look forward to receiving your proposal and paper submissions. If you have any question or suggestions, please do not hesitate to contact us: iscram2017@mines-albi.fr

Prof. Tina Comes, CIEM, University of Agder
Scientific Chair

Dr. Frederick Benaben, Mines Albi – University of Toulouse
Conference Chair