

International Workshop on Requirements Engineering for Investigating and Countering Crime

Beijing, China

September 12, 2016

In association with the 24th IEEE International Requirements Engineering Conference



ABOUT THE WORKSHOP

From the early 1980's, law enforcement agencies have turned to software technologies for help in identifying criminal profiles and suspects and in shaping new investigative capabilities such as digital forensics. Though some notable progress has been achieved since then, the complexity of both crimes and criminal investigations has also increased tremendously. The availability of large amounts of heterogeneous structured and unstructured data about criminal activities, and the uncertainty of the environments in which these activities occur brings forth both significant challenges and new opportunities for designing software that is intended to either defend itself against criminal attacks or to support the investigation of criminal activities.

The iRENIC workshop aims to explore the role of requirements engineering in the design of systems able to deliver better investigative capabilities and counter crime, for secure and safe societies. More specifically, iRENIC is intended to be a multi-disciplinary workshop that will bring together researchers and practitioners to identify new challenges, assess the status of RE approaches in tackling these challenges, create new opportunities for collaborations in this area, and to strengthen the frontier of RE research in this problem domain.

TOPICS

Topics addressed by the workshop will promote discussion about advancing requirements engineering for investigating, preventing, and countering crime.

These include, but are not limited to:

- Requirements elicitation, modelling, analysis validation and verification
- Legal requirements compliance
- Requirements prioritization and negotiation
- Requirements variability and reuse
- Goal and domain modelling
- Requirements specification languages
- Stakeholder identification and management
- Requirements engineering training
- Industry collaborations and insights

Application areas of interest include but are not restricted to:

- Criminal profiling
- Crime modelling
- Crime reconstruction
- Crime prevention by design
- Cognitive factors and biases
- Decision support systems

IMPORTANT DATES

Submission deadline: June 20, 2016.

Author notification: July 8, 2016.

Camera-ready copy: July 24, 2016.

Workshop: September 12, 2016.

PAPER SUBMISSION

We invite two types of submissions: proceedings submissions and practitioner discussion submissions.

Proceeding submissions may take any of the following forms:

- Research and experience papers (8 pages) intended to make all participants aware of existing and on-going research in this area.
- Position papers (4 pages) presenting preliminary research into new requirements engineering techniques.
- Vision papers (4 pages) exploring challenges of requirements practices or presenting research roadmaps.

Papers under this category should not have been submitted for review or published elsewhere

Practitioner discussion submissions are intended to encourage participation from crime analysts, police officers and developers of investigative software and security systems, who can offer an informed opinion about practical challenges that should be primarily addressed. Submissions under this category require a title, abstract of no more than 500 words and author information. The inclusion of accepted abstracts in the proceedings will be at the discretion of the authors.

All submitted papers must be written in English and must follow RE 2016 submission guidelines. Submissions are accepted via easy chair from the workshop homepage.

Authors of best proceedings papers will be invited to submit a revised and extended version of their papers to the IET Software journal.

ORGANIZERS

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