

20<sup>th</sup> IEEE International

# Requirement Engineering Conference

September 24<sup>th</sup> – September 28<sup>th</sup>, 2012. Chicago, USA

## REQUIREMENTS ENGINEERING: BRIDGING KNOWLEDGE GAPS

When Enrico Fermi withdrew the control rods from Chicago Pile-1 in December 1942, there was some uncertainty about what would happen next. Just as with the first nuclear reactor, complex system development often goes ahead with incomplete knowledge. Sometimes we cannot afford to wait until we know everything we would like to know. Sometimes we need to build the system to find it out.

The theme of RE'12 is how requirements engineers handle uncertainty; uncertainty about customer priorities, run-time contexts likely to be encountered, how the requirements will change over time, and so on. Computer systems are required to operate in increasingly complex business, human, social and physical environments. Characterizing uncertainty and mitigating its effects are key challenges for modern requirements engineering.

RE'12 will be held at the Gleacher Center in downtown Chicago just steps from the Navy Pier and the Magnificent Mile. Chicago: city of blues, starting point of Route 66, home to several world-class Universities and headquarters of some of the world's best-known businesses including Boeing and Wrigley.

## RESEARCH TRACK

RE'12 invites submissions in the following categories:

- **Technical solution papers** present solutions for requirements-related problems that are novel or significantly improve on an existing solution.
- **Scientific evaluation papers** evaluate existing problem situations or validate/refute proposed solutions by scientific means, i.e., by empirical studies, experiments, case studies, simulations, formal analyses, mathematical proofs, etc.
- **Vision papers** explore the history, successes, and challenges of various requirements-related practices and research agendas, and outline research roadmaps for the future.

Topics of interest related to requirements include elicitation, analysis, specification, validation, modeling, verification, testing, and management. For a full list of topics considered in the RE conference, please visit the RE'12 website.

If you have never previously published at a major international conference, then you may be eligible for our mentoring program. Please check the RE'12 website for further details.

## PRACTITIONER TRACK

RE'12 invites original submissions of in two categories:

- **Problem statements** present problems or challenges encountered in practice; problems and challenges needing attention by researchers, practitioners, and tool vendors.
- **Experience reports** present successes or failures encountered in practice; experiences from which researchers and practitioners can draw valuable lessons.

Contributions addressing all aspects of requirements engineering and business analysis in industrial, governmental, or any practical context are welcome. For a full list of topics considered in the RE conference, please visit the RE'12 website.

## Organizing Committee:

**General Chair:** Mats Heimdahl  
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Technical and industrial paper abstracts due: February 27<sup>th</sup>, 2012; Full papers due: March 5<sup>th</sup>, 2012

Workshop proposals: January 30<sup>th</sup>, 2012. Tutorials, Panels, Doctoral symposium: May 28<sup>th</sup>, 2012

For additional information please visit: <http://www.re12.org>