



BRIDGING THE KNOWLEDGE GAP

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.

RE'12 examines 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.

RESEARCH TRACK

RE' 12 invites high-quality submissions in the following areas:

- **Technical solution papers** – present solutions for requirements-related problems which are novel or significantly improve on an existing solution. A technical solution paper must include a preliminary validation of the proposed solution.
- **Scientific evaluation papers** evaluate existing problem situations or validate/refute proposed solutions with scientific means, i.e., by empirical studies, experiments, case studies, simulations, formal analyses, mathematical proofs, etc. Scientific reflection on problems and practices in industry also falls into this category.
- **Visionary papers** - 12 years into the new century, we invite visionary and contemplative papers that explore the history, successes, and challenges of various requirements-related practices and research agendas. These papers will be published in a separate section of the proceedings.

Topics include anything related to the elicitation, analysis, specification, or verification of requirements. For a full list of valid topics, please visit the RE' 12 website.

DO YOU NEED HELP?

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 HIGHLIGHTS

RE' 12 will include a rich program to meet the needs of practitioners. Some of the highlights include:

- **Business analyst track** – packed full of expert speakers, tool demos, and practitioner talks.
- **Agile requirements** – addressing ways to effectively discover and document customer needs in an agile environment.
- **Tool demos** – techniques for selecting a good requirements management tool to support your process. Overview of cutting edge tools.
- **Expert tutorials** by renowned speakers on a broad range of skill-building topics.

ENJOY CHICAGO HOSPITALITY

The conference will be held just steps from the Navy Pier and the Magnificent Mile in Chicago, Illinois. Chicago is known as a major hub for industry, telecommunications and infrastructure, and has been listed as one of the world's top ten global financial centers. 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.

ORGANIZERS

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Mentoring Program: Lin Liu, China

Publicity Chairs: Travis Breaux, USA

Webmaster: Gregory Gay, USA

Students Volunteers Chair: Mehdi Mirakhorli, USA

Technical and industrial paper abstracts due: February 27th, 2012; Full papers due: March 5th, 2012

Workshop proposals: January 30th, 2012; Tutorial proposals: May 28th, 2012.

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