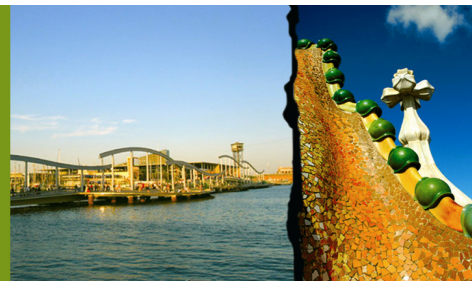




www.re08.org

# 16th IEEE International Requirements Engineering Conference

September 08-12th, 2008  
Barcelona, Catalunya, Spain



## Conference organization

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Xavier Franch, Univ. Politècnica de Catalunya, Spain

### Program Chair

Tetsuo Tamai, Univ. of Tokyo, Japan

### Local Arrangements

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### Financial Chair

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### Practitioner Track

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### Workshops

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### Tutorials

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### Doctoral Symposium

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## Call for Papers and Proposals

### Requirements engineering for a sustainable world

Sustainability of the earth and its natural resources represents a crucial issue that must be addressed in this technology-centric century. Although information services are generally not physical in nature and therefore do not directly result in the emission of greenhouse gasses or destruction of other natural resources, software does play a vital role in controlling machines and buildings that have a direct impact on the environment. When the target domain of software to be developed has a potential impact on the global environment, complex factors should be taken into consideration during the analysis and definition of requirements. This is a new challenge facing Requirements Engineering.

High quality requirements that are apparently unrelated to environmental issues are also crucial in our modern information-intensive society. Only by fully understanding stakeholders' needs, and documenting them in a concise, and unambiguous way, can we consistently deliver quality products designed to meet the complexities of our advanced information society. Failure to engineer high quality requirements or failure to develop products that satisfy these requirements will ultimately lead to an information society that naively prioritizes its short-term needs over issues of long-term global sustainability.

The IEEE International Requirements Engineering conference provides the premier international forum for researchers, educators and industrial practitioners to present and discuss the most recent innovations, trends, experiences and concerns in the field of requirements engineering.

**Topics of interest** include, but are not restricted to: requirements elicitation, analysis, documentation, validation and verification; requirements specification languages, methods, processes, and tools; requirements management, traceability, viewpoints, prioritization, and negotiation; modelling of requirements (formal and informal), goals, and domains; prototyping, simulation, and animation; interaction between requirements and design; evolution of requirements over time, product families, and variability; relating requirements to business goals, products, architecture, and testing; social, cultural, global, personal and cognitive factors in requirements engineering; collaborative requirements engineering; domain-specific problems, experiences and solutions.

### Paper categories

We invite submissions of high quality papers in three categories:

**Technical solution papers** present solutions for requirements-related problems which are novel or significantly improve existing solutions. **Evaluation criteria:** The proposed solution technique or its application to this kind of problem must be novel and sound. The author(s) must provide a preliminary validation of the proposed solution, such as a proof-of-concept and/or sound arguments that the solution technique will work and that it will scale to real-world-sized problems. Results must be stated clearly so that the author(s) or others can further validate them in later research. A technical solution paper should also be clear about its contributions with respect to related work by others and to previous work by the author(s). A paper of this category must not exceed 10 pages.

**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. **Evaluation criteria:** The topic of the evaluation presented in the paper as well as its causal or logical properties must be clearly stated. The evaluation method or analysis approach must be sound and appropriate. The research must be novel or, otherwise, the results must constitute a significant increase of knowledge. The results must be relevant and/or (statistically) significant. The research should be situated in the context of related work by others and previous work by the author(s). A paper of this category must not exceed 10 pages.

**Industrial practice and experience papers** present problems or challenges encountered in practice, discuss insights, innovations in industrial practice, success and failure stories. The focus is on 'what' and on lessons learned, not on an in-depth analysis of 'why'. Otherwise, consider submitting a scientific evaluation paper. **Evaluation criteria:** The practice must be clearly described and its context must be given. Readers should be able to follow easily and to draw conclusions for their own practice. The conclusion and lessons learned should be justified by quantitative or qualitative evidence. A paper of this category must not exceed 6 pages.

More details about the paper categories and corresponding review evaluation criteria and submission dates are provided on the conference website. Papers must describe original work not submitted or presented at other forums. Accepted papers will be published in an IEEE CS Press Conference Proceedings and will be available in the IEEE CS Digital Library.

### Submission information

Submissions will be handled electronically at the RE'08 submission site. Authors without web access must make advance arrangements with the Program Chair at least one week before the deadline. Submissions must be formatted according to IEEE CS proceedings format (see <http://www.computer.org/portal/site/cscps/index.jsp> for instructions and templates). More details on submission procedures will be available on the conference website.

### Other contributions

We also invite proposals for tutorials, workshops, panels, doctoral symposium, posters, videos and research demonstrations.

### Important Dates

Paper abstracts	February 4, 2008
Paper submissions (all categories)	February 11, 2008
Tutorial, workshop and panel submissions	March 3, 2008
Notification of authors	April 28, 2008
Doctoral symposium, poster and other submissions	May 5, 2008