

CALL FOR PAPERS
The Fourth IEEE International Symposium
REQUIREMENTS ENGINEERING

Requirements in a Changing World

INVITATION

Requirements engineering (RE) involves the gathering, documenting, validating and use of requirements for software-intensive systems from all stakeholders who may be affected by the resulting system. As software products penetrate further and increasingly invisibly into everyone's personal and professional lives, it is becoming more vital that these products be developed to meet real requirements and that RE become part of every development organization's development process. RE includes all the technical, managerial, and interpersonal techniques involved in meeting this goal.

RE is emerging as a mature field of research and practice within software engineering and information systems, and has widespread implications in such allied fields as human-computer interaction, organizational design and systems engineering. All these fields deal with technological and procedural interventions into some existing states of affairs: a manual operation is automated, an existing software system is enhanced, a work practice is augmented with tools, an engineering system is monitored and controlled by software. Requirements for new or enhanced systems, therefore, come from changes in the world: changes in people's expectations, in business practices, in social forces, in enabling technology opportunities.

Examples of the changes that may be discussed at RE99 include:

- the transition from custom systems development to the integration of off-the-shelf products and online services;
- the growing concern with end-user responsiveness and reduced development cycle times;
- the ubiquitous embedding of software artifacts in the industrial environments and in the everyday activities of business and home life;
- the restructuring of the business world so that an enterprise is increasingly dependent on others to meet its own requirements.

The RE series of international symposia has established itself as a prestigious gathering of requirements engineering researchers and practitioners. RE99, the fourth in the series, will be held on the scenic campus of University of Limerick, Ireland. It will bring together researchers and practitioners of requirements engineering to discuss and exchange the latest developments and concepts. The program will consist of invited talks, paper presentations, panels, tutorials, birds of a feather sessions, demonstrations, and a doctoral consortium.

CONTRIBUTIONS

Papers

Submissions on all aspects of requirements engineering are invited. Contributions with direct relevance to the conference theme are especially welcome. We will encourage interaction between practitioners with a commitment to step back and reflect on their knowledge and members of the research community who have a commitment to the practical evaluation of their ideas.

All submissions will be subject to critical review and will be expected to advance scholarship in the area of RE in one of several ways. Below are the categories of submission and their evaluation criteria.

Discovery and invention: A new language, method or automated way of working that supports the RE process. Contributions should be novel. They need not be empirically validated, but should include a serious discussion of their relevance and practicality.

Integration and analysis: An integration, review or analysis of previously known ideas that presents them in a fresh light. The ideas that are integrated do not have to be novel, but the integration must be insightful and useful to those already familiar with them.

Application and evaluation: One or more cases of a new or previously described technique being used in practice. Qualitative and metrics-based evaluations are equally welcome, but in all cases there should be serious reflection that goes beyond the case or cases at hand. Contributions should be sound and potentially useful to practitioners. Scholarship of education and learning: Descriptions of courses in requirements engineering or the treatment of RE in other courses together with rationale and evaluation. Contributions may deal with higher education or professional courses. There should be a discussion of the implications to the future of the profession.