High-quality requirements are at the heart of successful products, in that a product is successful if it effectively satisfies some essential need. Engineering successful products involves understanding the needs of users, customers, and other stakeholders, as well as the contexts in which the product will be used; specifying, modelling, and analyzing the stakeholders’ requirements; and using these requirements to guide design decisions, to define acceptance criteria for evaluating the final product, and to constrain the product’s evolution. As such, requirements activities are multi-disciplinary, drawing on research and experience in computer science, mathematics, engineering, human–computer interaction, and social and cognitive sciences.

RE’05 will bring together researchers, practitioners, and students to exchange problems, solutions, and experiences concerning requirements. The conference will emphasize the crucial role that requirements play in the successful development and delivery of systems, products, and services. Topics of interest include, but are not restricted to:

- Requirements elicitation and identification
- Informal modelling of requirements; Domain modelling
- Formal modelling of goals and requirements; Specification languages
- Formal analysis and verification; Multiple viewpoints, managing inconsistency
- Nonfunctional and quality requirements
- Prioritization, negotiation, and resolution of conflicting requirements
- Prototyping, animation, simulation; Requirements validation
- Requirements evolution over time, across product families; variability requirements
- Requirements methods (e.g. Agile methods)
- Requirements management, traceability, metrics
- Social, cultural, and cognitive factors in requirements activities
- Aligning requirements to business goals and processes
- Relating requirements to system architecture, testing
- Requirements for COTS-based systems
- Requirements for interoperating, multi-organizational systems
- Domain-specific problems and solutions (e.g. high-assurance systems, security systems, socio-technical systems, telecommunications and distributed systems, business and information systems)
Papers and evaluation

To provide a forum for exchanging challenges and experiences, as well as research results, we will run both researcher-oriented and practitioner-oriented technical tracks. We invite submissions of high-quality papers in the following categories: Technical research papers, Research evaluation papers, Reflection-on-practice papers and Industrial practice reports. Detailed information about categories can be found at http://www.re05.org.

Papers must not describe work submitted to or presented at other forums. Accepted papers will appear in an IEEE-CS Press Conference Proceedings. Revised versions of the best research papers may appear in a proposed special issue of the Requirements Engineering Journal; revised versions of the best practice papers may appear in a proposed special issue of IEEE Software. We seek also proposals for workshops, tutorials, panels, research tool demos, and poster presentations.

Submission information

See the www.re05.org web site for information on how to submit papers; workshop, panel, and tutorial proposals; doctoral consortium papers; posters; and research-tool demonstrations.

Important dates

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<td>Paper abstracts (technical, evaluation, reflection papers)</td>
<td>7 February 2005</td>
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<td>Paper submissions (all paper types)</td>
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<td>Paper notifications sent to authors</td>
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<td>Workshop, tutorial, and panel proposal submissions</td>
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