



The 27th ACM Symposium on Applied Computing

25–29 March 2012, Riva del Garda, Trento, Italy
<http://www.acm.org/conferences/sac/sac2012>



Call-for-papers on Requirement Engineering (5th RE-Track)

For the past twenty-six years, the ACM Symposium on Applied Computing has been a primary gathering forum for applied computer scientists, computer engineers, software engineers, and application developers from around the world. SAC 2012 is sponsored by the ACM Special Interest Group on Applied Computing (SIGAPP), and hosted by the Microsoft Research - University of Trento Centre for Computational and Systems Biology (COSBI) Riva del Garda (Trento), Italy. Further details may be found at: <http://www.acm.org/conferences/sac/sac2012/>.

Requirement Engineering is defined as the branch of software engineering concerned with the real-world goals for, functions of, and constraints on software systems; it is also concerned with the relationship of these factors to precise specifications of software behaviour and to their evolution over time and across software families. Requirements engineering is increasingly recognized as a critically important activity in any systems engineering process. The arising of complex software applications in multidisciplinary domains, the speed with which they need to be developed, and the degree to which they are expected to change, all play a role in determining how the systems development process should be conducted. Independently of the nature of the software, the elicitation, analysis, negotiation, specification, validation and management of requirements are fundamental for the development of quality in complex software. Only by fully understanding stakeholders' needs, and documenting them in a concise, and unambiguous way, can consistently deliver quality products designed to meet the complexities of our advanced information society.

The objective of this track is to explore different advances in requirement engineering in a general way, its relation with different areas, reducing the gap between software engineering solutions and the way one specific domain of knowledge was seen up to given point.

These are the main areas of concern in Requirement Engineering:

- Requirement engineering for scientific areas
- Requirement elicitation, analysis, documentation

- Requirement specification languages, methods, processes, and tools
- Requirement management, traceability, viewpoints
- Modelling of requirements, goals, and domains
- Non-functional requirements
- Requirement engineering and software architecture
- Aspect-oriented requirement engineering
- Agent-oriented requirement engineering
- Requirements for COTS-based systems
- Case studies and experiences based on Requirement engineering
- Social, cultural, and cognitive factors in requirement engineering
- Requirement engineering Education and Training
- Requirements and Simulation
- Requirements and Autonomic systems
- Requirements Reuse

Paper Submission

Authors are invited to submit original papers in all areas of Requirement Engineering.

The program committee will blindly review submissions to that track. The author(s) name(s) and address(es) MUST NOT APPEAR in the body of the paper, and self-reference should be in the third person. This is to facilitate blind review. The paper should not exceed 6 pages (without extra fee), 8 is the maximum of pages (there will be a charge per extra page).

Submitted papers must be formatted using the ACM SIG format. Paper submissions must be made electronically in PDF format via the ACM SAC online track management system at www.softconf.com/c/sac2012/.

Document templates (LaTeX, MS Word) are available at <http://www.acm.org/sigs/pubs/proceed/template.html>. Papers should not be submitted to more than one ACM-SAC track. Further information is available at <http://www.acm.org/conferences/sac/sac2012/>.

Authors should also send a message to mlpm@ecomp.poli.br, with the subject "PAPER SUBMISSION RE-ACMSAC12" with the title of the paper, the author(s) name(s) and affiliation(s), and the contact address (including e-mail, telephone, and fax).

Accepted papers will be published in the annual conference proceedings.

Important due dates

Aug. 31, 2011: Paper submissions
Oct. 12, 2011: Author notification
Nov. 2, 2011: Camera-Ready Copy

Program Committee

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Track Website

Updated information on the Requirement Engineering track may be found at:
<http://sac2012.ecomp.poli.br>

Contact

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