



In conjunction with RE 05 –
13th IEEE Intl' Requirements
Engineering Conference

Call for papers

1st International Workshop on Service-Oriented Computing: Consequences for Engineering Requirements (SOCCER 2005)

<http://www.lsi.upc.es/events/soccer>
August 30th, 2005
Paris, France

Program Co-Chairs

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The service-oriented approach is becoming more and more popular to integrate highly heterogeneous systems. Web services are the natural evolution of conventional middleware technologies to support Web-based and enterprise-level integration, but the paradigm can also serve as basis for other classes of systems. To realize a service-oriented architecture we need techniques to identify and specify requirements on services in a machine-interpretable way to enable the dynamic composition and deployment of systems that meet the expectations of the different stakeholders. We need new capabilities to monitor the behavior of deployed systems and reasoning on partial matches, deviations, and corrective actions. We need to integrate service-oriented architectures with existing component- and COTS-based architectures that deliver capabilities not suited to services. And finally, we need to be able to exploit the availability of services to discover new opportunities that improve existing requirements processes and techniques. The workshop intends to provide an opportunity for the communities that work on requirements and service-oriented applications to meet and share their knowledge to set appropriate theoretical foundations, define special-purpose methodologies for requirements specification, and develop supporting technology.

Topics. All topics listed here are not intended in their general formulation, but must be slanted towards service-oriented applications. Areas of particular interest include, but are not limited to:

- Languages, models and methodologies for requirements elicitation and specification
- Quality assessment
- Discovering services that comply with requirements specifications
- New service-based requirements processes and techniques
- Requirements validation
- Run-time monitoring of system requirements and QoS
- Requirements for context-aware systems
- Requirements for adaptivity and adaptability
- Requirements for ambient computing
- Requirements for QoS
- Requirements for multi-channel applications
- Security requirements
- Service-level agreement
- Requirements-based testing

Research papers and experience reports should be original work, limited to 5,000 (research) or 2,000 (experience) words in IEEE CS format. Papers must not have been previously published nor have been submitted to, or be in consideration for, any journal, book, or conference. Acceptance criteria will be adequacy to the topics of the workshop, technical soundness and potential for generating discussion.

Position papers may not exceed 2,000 words in IEEE CS format. The aim of a position paper is to contribute a specific position to a research discussion. Position papers are judged on novelty, sensibility of the viewpoint, key insights, and relevant research results. Radical and unconventional ideas are welcomed.

Authors are requested to present their accepted paper at the workshop. Publication of extended versions of selected papers in a special issue of an international journal is currently under consideration.

Important dates

- Papers due: 13 June 2005
- Notification of acceptance: 18 July 2005
- Camera-ready papers due: 1 August 2005