

Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

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Important Dates

- Paper submission deadline:
December 10, 2012
- Notification to authors:
March 10, 2012

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Oxford Brookes University, UK

Software Quality Journal

Call for Papers:

A Special Issue on Component-based Software Intensive-Systems

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Industry is becoming more and more interested in component-based software, since it increases flexibility in both development and in updating software systems dynamically. Software component development may be conducted in-house or outsourced, or components may be acquired or companies may choose to use open source as part of their software system. This implies that software intensive-systems will become a combination of software components coming from different sources. This puts new requirements on ensuring software quality of the systems delivered to the market and to customers. The quality issues belong to the most important concerns in component-based systems, and are related to component development, component composition, component deployment into systems, and in general system quality related to quality of the involved components.

The special issue will solicit papers on software quality related to software components as such and to software-intensive systems built of components. If proposing new concepts or solutions, the papers are expected to include an evaluation (not only an illustration). Papers to be considered should have a clear focus on the quality aspects of components or component-based systems. The quality focus may be combined with the following topics of particular interest, but are not limited to:

- Evaluation of software components
- Studies related to different ways of developing components
- Research related to the integration of components into systems
- Systematic literature reviews or mapping studies related to the area of the special issue
- Use of components indifferent application domains
- Studies of use of components in an industrial environment
- Empirical studies of components and component-based systems

The special issue will cover both management and more technical aspects in relation to software quality of component-based software-intensive systems.

Expected number of accepted papers: 6-8



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