Call for papers

Reengineering is the examination and alteration of a system in order to reconstitute it in a new form. It involves maintenance activities such as understanding, repairing, improving and evolving a system. ICT systems are often reengineered to cope with challenges such as the need to maintain legacy software, add new functionality, fix defects, improve quality attributes, or adopt new technology. As such, reengineering plays an essential role in providing high quality ICT systems. Refactoring is currently regarded as one of the most important reengineering techniques, and is used to transform software in order to improve its quality, in particular, internal software design quality. The growing importance of new development approaches such as service-orientation, aspect-orientation and product-line engineering, to name a few, brings new challenges to the reengineering and refactoring community. We seek contributions on how to use reengineering and, in particular, refactoring, to improve the quality of ICT systems.

Suggested topics of interest include, but are not restricted to:

- Tools, methods and approaches to the analysis, comprehension and reconstitution of ICT systems
- Process support for Reengineering and Refactoring
- Reengineering and Refactoring in the context of Global Development, Agile Processes, Service- or Aspect-Oriented development or Software Product lines.
- Reengineering and Refactoring activities, techniques and formalisms
- Reengineering and Refactoring artifacts at different abstraction levels
- Empirical evaluation of Refactoring and Reengineering

Paper submission

Authors should submit to http://www.easychair.org/conferences/?conf=quatic2010 a PDF version of their paper. Papers must be in IEEE format and not exceed 6 pages, including figures, references, and appendices. Submissions must be original and will be reviewed by the Track Program Committee. Accepted papers will be published in the electronic IEEE proceedings of QUATIC’2010, subject to one of the authors registering for the conference. The authors of the 3 best papers of this thematic track will be invited to submit extended versions to the main track of the conference. More info on the QUATIC’2010 selection process and its tracks can be found at http://www.fe.up.pt/quatic2010.

Important dates

Abstract submission: 1 April 2010  Authors’ notification: 5 May 2010

Track Committee

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