Eighth International Conference on Software Reuse

Madrid (Spain), July 5-9, 2004

Software Variability Management for Reusable Software

Call for Papers

After three decades of research and practice, reuse of existing software artefacts remains the most promising approach to decrease effort for software development and evolution, increase quality of software artefacts and decrease time to market of software products. Over time, we have seen impressive improvements, in extra-organizational reuse, e.g. COTS, as well as in intra-organizational reuse, e.g. software product families.

Despite the successes that we, as a community, have achieved, several challenges remain to be addressed. The theme for this eighth meeting of the premier international conference on software reuse is the *management of software variability for reusable software.* All reusable software operates in multiple contexts and has to accommodate the differences between these contexts through variation. In modern software, the number of variation points may range in the thousands with an even larger number of dependencies between these points. Topics addressing the theme include the representation, design, assessment and evolution of software variability.

We invite authors to submit articles that present results or experiences relevant to others. The suggested topics for paper submissions include, but are not limited to:

- Software variability management
- Aspect-oriented software reuse
- Automated software engineering
- Software generators and domain-specific languages
- Software product lines, software product families, and domain engineering
- Component-based software engineering using Java Beans, DCOM, and others
- Evolution of component-based software systems
- Lightweight approaches to software reuse
- Managing the transition towards a reuse organization
- Legal, managerial, and economic issues of software development with reuse
- Benefit and risk analysis of reuse investments
- Reuse in the e-commerce context: how to address fast-evolving markets
- Generation of non-code artefacts
- Testing of components and generators
- Quality aspects of reuse, e.g. security and reliability
- Success and failure stories of reuse approaches from industrial context

Paper submissions should be limited to no more than 5000 words.

How To Submit

Submission of papers will be accepted electronically, using a web form that can be found at: http://icsr8.cs.rug.nl/

Call for Workshops and Tutorials

Sessions of special interest, workshops, and tool demonstrations are welcomed. Please submit proposals via the ICSR 8 website before the submission closing date.

Doctoral Student Session

ICSR 8 will host a doctoral student session. Proposals for this session should also be submitted via the ICSR 8 website before the submission closing date.

Review Process

Each submitted paper conforming to the submission guidelines will be reviewed by at least three members of the Program Committee. Authors will be notified of the Program Committee's decision regarding the acceptance of their papers, and will be provided with comments from the reviewers, by electronic mail.

The Program Committee will consider the best accepted conference papers for publication in a journal.

Organization

General chair: Kyo C. Kang, Pohang University of Science and Technology, Korea

Program co-chairs: Jan Bosch, University of Groningen, The Netherlands
Charles Krueger, BigLever Software, Inc., U.S.A.

Important Dates

Abstract: 31 January 2004
Full paper: 31 January 2004
Notification of Acceptance: 15 March 2004
Camera Ready version due: 1 April 2004

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