

CALL FOR PAPERS - FACS'03
Workshop on Formal Aspects of Component Software

Satellite Workshop of the FM 2003
Pisa, Italy - September 8-9, 2003
<http://www.iist.unu.edu/facs03>

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Organising Committee:

Bernhard K. Aichernig
Dang Van Hung
Chris George
He Jifeng (Chair)
Zhiming Liu

Technical Support:

Kitty Chan

PROGRAM COMMITTEE:

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UNU/IIST, Macau

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UNU/IIST, Macau

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Background and Objectives

It is an old idea to use and reuse components to build and to maintain software systems. However, it is today's growing complexity of these systems that forces us to turn this idea into practice. So far, there is no agreement on standard technologies for designing and creating components, nor on methods of composing them. Finding appropriate formal approaches for describing components, the architectures for composing them, and the methods for component-based software construction, is correspondingly challenging.

The objective of this workshop is to bring together researchers in the areas of software engineering and formal methods to clarify and discuss the issues in component-based software development.

The topics of the workshop include, but are not limited to:

- Models of components and their interaction.
- Design and verification methods for component software.
- Representation of functional and non-functional attributes of components.
- Requirements analysis for component software.
- Composing components
- Component software architectures and their description languages.
- Relations of component software to object software and UML.
- Deployment of components
- Testing components (off the shelf).
- Experience with components (case studies)
- Positions and views on component-based software

Invited Speakers

- Manfred Broy (Technical University of Munich, Germany)
- He Jifeng (UNU/IIST, Macau)
- Tom Maibaum (King's College, London University, UK)

Submission and Publication

Prospective participants are invited to submit their original papers or the extended abstracts, not exceeding 10 pages with font size 11pt and single space format. Submissions should be electronic, in PostScript (PS) or Portable Document Format (PDF) and sent to:

Z.Liu@mcs.le.ac.uk

The review of the submissions will be organised by the program committee. The preliminary proceedings will be published as a UNU/IIST technical report and made available at the workshop. It is intended that the good papers will be selected and published as an edited book in the series Component-based Software Development by World Scientific after the workshop.

Important Dates

- Deadline for submission: 4 July 2003
- Acceptance notification: 25 July 2003
- Final version ready: 15 August 2003
- Workshop dates: 8-9 September 2003

All queries should be sent to:

Z.Liu@mcs.le.ac.uk, or bka@iist.unu.edu