



## 29th EUROMICRO CONFERENCE

### COMPONENT-BASED SOFTWARE ENGINEERING TRACK



Antalya - Turkey, September 3rd–5th, 2003

#### **Programme Chairman**

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#### **IMPORTANT DATES**

Submission of papers:  
**March 10th, 2003**  
Notification of acceptance:  
**May 4th, 2003**  
Camera-ready paper due:  
**June 16th, 2003**

#### **Technical Committee**

Jacky Estublier (Imag, France)  
Otto Preiss (ABB, Switzerland)  
Veikko Seppänen, (U-Oulu, Finland)  
Judith Stafford, (Tufts U, USA)

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Jeffrey Voas (Cigital, USA)  
Kurt Wallnau (CMU-SEI, USA)  
Christian Zeidler (ABB, Germany)

Component-based software engineering (CBSE), is an emerging development paradigm that promises to accelerate software development and to reduce costs by assembling systems from prefabricated software components. Designing, developing and maintaining components and component-based applications for reuse is, however, a very complex process, which places high requirements not only for the component functionality and flexibility, but also for the development organization. CBSE covers many software engineering disciplines and different techniques which still have not been fully defined, explained and exploited either from theoretical or practical points of view.

The aim of the conference track is to bring together practitioners and researchers from academia and industry to improve the theories, technologies, and processes in component-based software development. We encourage submissions of both theoretical nature and experience reports from academia and especially from industry. Suggested areas of interest include, but are not restricted to:

<i>Component models and technologies</i>	<i>Component development processes</i>
<i>Component specification</i>	<i>Components and Quality</i>
<i>Component evaluation</i>	<i>CBSE organizational issues</i>
<i>Component compositions</i>	<i>Component configuration management</i>
<i>Component-based software architecture</i>	<i>COTS (Commercial off the shelf)</i>
<i>Component-based requirements engineering</i>	<i>Middleware solutions for CBSE</i>
<i>Component design, implementation, testing</i>	<i>Development environment and tools</i>
<i>Building systems from components</i>	<i>CBSE and aspect-oriented programming</i>
<i>Software product-line approach</i>	<i>Case studies and experience reports</i>
<i>Components for real-time and embedded systems</i>	<i>Software component markets and businesses</i>

#### **SUBMISSION OF PAPERS**

The submissions should be made electronically, either in postscript or PDF format. SUBMISSION link: <http://www.idt.mdh.se/ecbse/2003/cyber/html/submit/>. The accepted paper should follow two column IEEE conference format. To get format description and templates follow <http://www.idt.mdh.se/ecbse/2003/ecbse-mansubmit.htm> link.

Papers should not exceed 6000 words. An abstract of up to 200 words should be included. If accepted, the paper must be made available in camera-ready forms by June 15th, 2003 and it must be personally presented at the EUROMICRO 2003 Conference by the author or one of the co-authors. The presenting author(s) must pre-register (full fee) for EUROMICRO 2003 before the due date of the camera-ready paper.

#### **General information**

This track is an integral part of the EUROMICRO 2003 conference. The conference proceedings will be published by the IEEE Computer Society. For conference information see <http://www.sea.uni-linz.ac.at/conferences/eu2003/> and the CBSE website at <http://www.idt.mdh.se/ecbse/2003/>