Message from the Workshop Chairs

Component-Based Software Engineering

This is the first Euromicro workshop on Component-Based Software Engineering. 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 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 workshop is to bring together practitioners and researchers from academia and industry to improve the theories, technologies, and processes in component-based software development. We encouraged submissions of both theoretical nature and experience reports from academia and especially from industry, and indeed, a good balance between these two types of the submissions and communities has been achieved. In the Call for Papers, the suggested areas of interest were grouped into following categories:

- CBSE Organizational Issues  
- Marketing Issues  
- Component Certification  
- COTS (Commercial off the shelf)  
- Component Development Processes  
- Deployment and Adaptation  
- Design, Implementation, Testing  
- Component Configuration Management  
- Case Studies  
- Component Models  
- Component Specification  
- Components and Frameworks  
- Components and Reuse  
- Component-based Architecture  
- Software Product-line Approach  
- Components for Real-time Systems  
- CBSE Metrics

We have received 35 submissions from 13 countries, which is a good result for a new workshop. Each paper was evaluated by three to four reviewers and the acceptance decision was based on these evaluations. Totally 18 papers were accepted which will be presented at the following sessions:

- COTS (Commercial Off the Shelf)  
- Ensembles and Frameworks  
- Components for Real-time Systems  
- Component Development Processes (2 sessions)  
- CBSE - Case Studies

We would like to thank the Program Committee members for their help in reviewing the papers. Special thanks to Jacky Estublier and Onur Demirörs, who participated in the Program Committee meeting in Milan, Italy, where the acceptance process was concluded and the workshop program was arranged. We would also like to thank Jeff Voas who kindly proposed to organize a panel discussion.

We hope you will find the workshop interesting and simulating and will continue to contribute to its success in the coming years.

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