

# Introduction to Tool Demonstrations

Automated software engineering is concerned with computational means to automate or partially automate software engineering tasks to achieve significant improvements in software quality and productivity. Tools therefore play a dominant role within the automated software engineering. The tool demonstration session at the ASE '04 conference accounts for that by providing a forum to show and discuss new tool developments that highlight scientific contributions to the field of Automated Software Engineering.

This year we received 25 submissions for tool demonstrations, each submission was reviewed by at least two reviewers and 6 proposals were accepted as formal tool demonstrations while 11 were accepted as informal demonstrations. Each formal tool demonstrations will have a time slot in the conference programme while informal demonstrations will be given a space at the conference site where they will be able to present their work to conference attendees. The formal demonstrations to be given this year bring together a diverse set of tools that provide support for main tasks of the software engineering life cycle. The tools presented range from tools supporting requirement engineering, software modelling, software configuration, software inspection, software visualization and software testing.

## Formal Tool Demonstrations

A Demonstration of Generating Scripting Code for Computer Role-Playing Games — ScriptEase, M. McNaughton, M. Cutumisu, D. Szafron, J. Schaeffer (University of Alberta, Canada), J. Redford (BioWare Corp., Canada), D. Parker (Electronic Arts, Canada)

Using a Structure-based Configuration Tool for Product Derivation, Lothar Hotz, Thorsten Krebs, Katharina Wolter (Universität Hamburg, Germany)

ISPIS: A Framework Supporting Software Inspection Processes, Marcos Kalinowski, Guilherme Horta Travassos (COPPE/UFRJ, Brasil)

CodeCrawler — Polymetric Views in Action, Michele Lanza (University of Zurich, Switzerland)

T-UPPAAL: Online Model-based Testing of Real-time Systems, Marius Mikucionis, Kim G. Larson, Brian Nielsen (Allborg University, Denmark)

An Environment for Building a System out of its Requirements, C. Smith, K. Winter, I. Hayes, G. Dromey, P. Lindsay, D. Carrington (University of Queensland, Australia)

## Informal Tool Demonstrations

Seamless Access to Mobile Services for the Mobile User, Daniele Sacchetti, Rafik Chibout, Valerie Issarny (INRIA-Rocquencourt, France)

C#P — A Profiler for C#, Klaus Lehner (Johannes Kepler University Linz, Austria)

Molhado: Logical Object-based Software Configuration Management, Tien N. Nguyen, Ethan V. Munson, John T. Boyland, Cheng Thao (University of Wisconsin-Milwaukee, U.S.A.)

Automated Testing of the User Interface and Model for ENGEL Virtual Molding Machine, Wolfgang Freiseisen, Robert Keber, Wilhelm Medetz, Petru Pau, Lucia Sirbu, Dietmar Stelzmueller (Software Competence Center Hagenberg, Austria)

Performance Engineering of Distributed and Parallel Programs with Teuta, Sabri Pllana, Johannes Testori (University of Vienna, Austria), Thomas Fahringer (University of Innsbruck, Austria)

PAMPERO: Precise Assistant for the Modeling Process in an Environment with Refinement Orientation, C. Pons, R. Giandini, G. Pérez, P. Pesce, V. Becker, J. Cengia, J. Longinotti (University of La Plata, Argentina)

Effects — A Framework for 3D Software Visualization, Alexander Fronk, Jens Schröder (University of Dortmund, Germany)

Supporting Mobile Requirements Elicitation and Negotiation, Norbert Seyff (Johannes Kepler University Linz, Austria), Neil Maiden, Amit Tosar (City University London, UK)

Generating Software Engineering Tools with Coco/R, Albrecht Wöß, Hanspeter Mössenböck, Markus Löberbauer (Johannes Kepler University Linz, Austria)

Tools for Critical Systems Development with UML, Jan Jürjens (Technical University Munich, Germany)

**Tool Demo Chairs**  
**Herbert Prähofer and Sebastian Uchitel**