Introduction to Tool Demonstrations

Automated software engineering is concerned with how to apply computation to automate or partially automate software engineering tasks to achieve significant improvements in quality and productivity. Tools therefore play a dominant role within automated software engineering. The tool demonstration session at the ASE’06 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 have 9 tool demonstrations, each of which was reviewed by two reviewers. Each tool demonstration will have a time slot in the conference program, and also will be given a space at the conference site where conference attendees will be able to ask additional questions and see a personal demonstration.

The 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 software generation and transformation, requirement engineering, software testing, software verification, and software modeling.

Tool Demonstrations

• A new web browser including a transferable function to Ajax codes, Noriko Hanakawa, Nao Ikemiya (Hannan University, Japan)
• LSS: A Tool for Large Scale Scenarios, Robert J. Hall (AT&T Labs Research, U.S.A.)
• TOPCASED Combining Formal Methods with Model-Driven Engineering, Nadege Pontisso, David Chemouil (French Space Agency (CNES), France)
• Automated Verification Tool for DHTML, Takaaki Tateishi, Hisashi Miyashita, Kohichi Ono, Shin Saito (IBM Japan, Japan)
• UML-based Service Discovery Tool, G. Spanoudakis, A. Zisman (City University London, UK)
• Mock-object generation with behavior, Nikolai Tillmann, Wolfram Schulte (Microsoft Research, U.S.A.)
• Model-driven Monitoring: Generating Assertions from Visual Contracts, Marc Lohmann, Gregor Engels (University of Paderborn, Germany)
• Tobias-Z: An executable formal specification of a test generator, Y. Ledru, L. du Bousquet (Universite Joseph Fourier, France)
• The Rearranger - A New Assembler Utility, Ward Douglas Maurer (George Washington University, U.S.A.)

Nicolás Kicillof and Katsuhiko Gondow
Tokyo, September 2006