

AST 2007 Provisional Program

(26 May 2007)

9:00 - 9:10: Welcome Message from the Workshop Organisers

9:10-10:00: Session 1. Keynote Address

- **Mark Harman**, King's College, University of London, UK,
Automated Test Data Generation using Search Based Software Engineering

10:00-10:30: Coffee Break

10:30-12:00: Session 2. Test Generation and Execution

- *Automated Generation of Test Cases Using Model-Driven Architecture:*
Abu Zafer Javed, Paul Strooper and **Geoffrey Watson**, The University of Queensland, Australia.
- *Automatic Test Data Generation for XML Schema-based Partition Testing:*
Antonia Bertolino, Jinghua Gao, Eda Marchetti and **Andrea Polini**, ISTI-Area della Ricerca CNR, Italy.
- *Towards a Framework for Differential Unit Testing of Object-Oriented Programs:*
Tao Xie, Kunal Taneja, Shreyas Kale, North Carolina State University, USA, and **Darko Marinov**, University of Illinois at Urbana-Champaign, USA.

12:00-14:00: Lunch

14:00-16:15: Session 3. Domain Specific Techniques

- *An Improved Approach to Passive Testing of FSM-based Systems:*
Hasan Ural, Zhi Xu and **Fan Zhang**, University of Ottawa, Canada.
- *Coverage-Based Testing on Embedded Systems:*
Xianming Wu, Arizona State University, USA, **Jenny Li, David Weiss**, Avaya Labs Research, USA, and **Yann Hang Lee**, Arizona State University, USA.
- *MobileTest: An Automatic Black Box Testing Tool for Software on Smart Mobile Devices:*
Bo Jiang, Xiang Long and **Xiaopeng Gao**, Beihang University, China.
- *Automate the Embedded Software Testing on an Emulated Target Board:*
Jooyoung Seo, Ahyoung Sung, Byoungju Choi, Ewha University, Korea, and **Sungbong Kang**, Samsung Electronics, Korea.
- *Testing Dynamic Adaptation in Distributed Systems (Short paper):*
Karun Biyani and **Sandeep S. Kulkarni**, Michigan State University, USA.

16:15-16:45: Coffee Break

16:45-18:00: Session 4. Case Studies and Experiments

- *Automated Testing of Timeliness : A Case Study:*
Robert Nilsson, University of Skövde, Sweden, and **Jeff Offutt**, George Mason University, USA.
- *Automated Measure of Structural Coverage for Lustre/Scade Programs: a Case Study:*
Abdesselam Lakehal and **Ioannis Parissis**, Laboratoire d'Informatique de Grenoble (LIG), France.
- *Random Generation of Test Inputs for Implicitly Defined Subdomains (Short Paper):*
David Coppit and **John Murphy**, The College of William and Mary, USA.

19:30: Workshop Dinner (Venue to be determined)