

# 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)**