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)