

## Affiliates Workshop: Satisfiability Solvers and Program Verification

### Thursday August 10, 2006

- 9:45–10:30 **Edmund M. Clarke** (Carnegie-Mellon University)  
*Bounded and Unbounded Model Checking using SAT*
- 10:30–11:00 *Break*
- 11:00–11:45 **Ken McMillan** (Berkeley College of Engineering)  
*SAT, Interpolants, and Software Model Checking*
- 11:45–12:30 **Shuvendu Lahiri** (Carnegie-Mellon University)  
*Efficient SAT-based Techniques for Predicate Abstraction*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–2:45 **Carla Gomes** (Cornell University)  
*Beyond Satisfiability: Model Counting, Quantification, and Randomization*
- 2:45–3:30 **Daniel Kroening** (Eidgenössische TH Zürich-Zentrum)  
*SAT-based methods for proving properties in Reynolds/O'Hearn Separation Logic*
- 3:30–4:00 *Break*
- 4:00–4:45 **Alex Aiken** (Stanford University)  
*Scalable Program Analysis Using Boolean Satisfiability*

### Friday August 11, 2006

- 9:45–10:30 **Orna Grumberg** (Technion - Israel Institute of Technology)  
*Hybrid BDD and All-SAT Method for Model Checking*
- 10:30–11:00 *Break*
- 11:00–11:45 **Aarti Gupta** (NEC Research Institute)  
*Verifying C Programs using SAT-based model checking*
- 11:45–12:30 **Ofer Strichman** (Technion - Israel Institute of Technology)  
*Decision Heuristics based on an Abstraction/Refinement Model*
- 12:30–2:00 *Lunch (on your own)*

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- 2:00–2:45     **Sharad Malik** (Princeton University)  
*Optimization and Relaxation in SAT Search*
- 2:45–3:30     **Alessandro Cimatti** (Istituto per la Ricerca Scientifica e Tecnologica (IRST))  
*Reasoning about Bit Vector Programs with Decision Procedures*
- 3:30–4:00     *Break*
- 4:00–4:45     **Robert Nieuwenhuis** (Polytechnical University of Catalunya (Barcelona))  
*The New Architecture and Solvers in the Barcelogic Tool for SAT Modulo Theories*