13TH WORKSHOP ON LOGIC, LANGUAGE, INFORMATION AND COMPUTATION (WoLLIC '2006)

CO-SPONSORED BY THE ASSOCIATION FOR SYMBOLIC LOGIC

CSLI, Stanford, USA
July 18–21, 2006

The 13th Workshop on Logic, Language, Information and Computation (WoLLIC'2006) was held at the Center for the Study of Language and Information (CSLI), Stanford University, from July 18th to 21st, 2006. It was the thirteenth in a series of workshops that started in 1994 with the aim of fostering interdisciplinary research in pure and applied logic.

The workshop had the scientific sponsorship of the Interest Group in Pure and Applied Logics (IGPL), the European Association for Logic, Language and Information (FoLLI), the Association for Symbolic Logic (ASL), the European Association for Theoretical Computer Science (EATCS), the Brazilian Computer Science Society (SBC), and the Brazilian Logic Society (SBL). Funding was provided by The Tinker Foundation, The Office of the Provost (Stanford University), CSLI, Department of Philosophy (Stanford University), Department of Mathematics (Stanford University), and Symbolic Systems Program (Stanford University).

The members of the Program Committee included: Jeremy Avigad (Carnegie Mellon University, USA), Johan van Benthem (University of Amsterdam, and Stanford University, USA), Martin Davis (Courant Institute of Mathematical Sciences, NYU, USA), Keith Devlin (CSLI, Stanford, USA), Edward A. Hirsch (St. Petersburg Department of the Steklov Institute of Mathematics, Russia), Greg Hjorth (UCLA, USA), David Israel (SRI International, Stanford, USA), Vladik Kreinovich (University of Texas at El Paso, USA), Leonid Levin (Boston University, USA), Grigori Mints (Stanford University, USA; Chair), Itay Neeman (UCLA, USA), Hiroakira Ono (Japan Advanced Institute of Science and Technology, Japan), Stanley Peters (Stanford University, USA), Wolfram Pohlers (WWU Münster, Germany), Vaughan Pratt (Stanford University, and Tiqit Computers, USA), and Thomas Scanlon (University of California at Berkeley, USA).

The Organizing Committee members were: Alexei Angelides (Stanford University, USA), Anjolina Grisi de Oliveira (Universidade Federal de Pernambuco, Brazil), Valéria de Paiva (PARC, USA; Co-Chair), Marc Pauly (Stanford University, USA), and Ruy de Queiroz (Universidade Federal de Pernambuco, Brazil; Co-Chair).

There were six invited talks:

Eli Ben-Sasson (Computer Science Department, Technion Institute of Technology, Israel), *New insights into probabilistically checkable proofs (PCPs)*.

Solomon Feferman (Departments of Mathematics and Philosophy, Stanford University, USA) *Operational theories of sets*.

Yuri Gurevich (Microsoft Research, USA), *The expanding notion of algorithm*.

Ulrich Kohlenbach (Department of Mathematics, Darmstadt University of Technology, Germany) *A logical uniform boundedness principle for abstract metric and hyperbolic spaces*.