

SUNDAY July 16, 2006

14.00 - 20.00	Registration
15.45	Meeting Point for Walking Tour of Prague at the Registration Desk
16.00 - 19.00	Walking Tour of Prague

MONDAY July 17, 2006

9.00 - 9.30	Registration
9.30 - 10.30	Session 1 - INVITED TALK <i>Chair: Manindra Agrawal</i>
9.30 - 10.30	Gödel and Computations <i>Pavel Pudlák</i>
10.30 - 11.00	Coffee Break
11.00 - 12.00	Session 2 <i>Chair: Manindra Agrawal</i>
11.00 - 11.30	Polynomial Identity Testing for Depth 3 Circuits <i>Neeraj Kayal, Nitin Saxena</i>
11.30 - 12.00	Every Linear Threshold Function has a Low-Weight Approximator <i>Rocco A. Servedio</i>
12.00 - 14.00	Lunch Break
14.00 - 15.30	Session 3 <i>Chair: Valentine Kabanets</i>
14.00 - 14.30	Construction of Low-Degree and Error-Correcting ϵ-Biased Sets <i>Amir Shpilka</i>
14.30 - 15.00	How to Get More Mileage from Randomness Extractors <i>Ronen Shaltiel</i>
15.00 - 15.30	Exposure-Resilient Extractors <i>Marius Zimand</i>
15.30 - 16.00	Coffee Break
16.00 - 17.30	Session 4 <i>Chair: Valentine Kabanets</i>
16.00 - 16.30	Making Hard Problems Harder <i>Joshua Buresh-Oppenheim, Rahul Santhanam</i>
16.30 - 17.00	Non-uniform Hardness for NP against Black-Box Samplers <i>Albert Atserias</i>
17.00 - 17.30	On Arthur-Merlin Games and the Possibility of Basing Cryptography on NP-Hardness <i>Rafael Pass</i>
19.30	Meeting Point for Welcome Party at the Registration Desk
19.45 - 22.00	Welcome Party at Michna Palace

TUESDAY July 18, 2006

9.30 - 10.30	Session 5 - INVITED TALK <i>Chair: Madhu Sudan</i>
9.30 - 10.30	Applications of the Sum-Product Theorem in Finite Fields <i>Avi Wigderson</i>
10.30 - 11.00	Coffee Break
11.00 - 12.00	Session 6 <i>Chair: Madhu Sudan</i>
11.00 - 11.30	Constructing Ramsey Graphs from Boolean Function Representations <i>Parikshit Gopalan</i>
11.30 - 12.00	A Generic Time Hierarchy for Semantic Models with One Bit of Advice <i>Dieter van Melkebeek, Konstantin Pervyshev</i>
12.00 - 14.00	Lunch Break
14.00 - 15.30	Session 7 <i>Chair: John Hitchcock</i>
14.00 - 14.30	Hardness of the Covering Radius Problem on Lattices <i>Ishay Haviv, Oded Regev</i>
14.30 - 15.00	A 3-Query Non-Adaptive PCP with Perfect Completeness <i>Subhash Khot, Rishi Saket</i>
15.00 - 15.30	New Lower Bounds for Vertex Cover in the Lovasz-Schrijver Hierarchy <i>Iannis Tourlakis</i>
15.30 - 16.00	Coffee Break
16.00 - 17.30	Session 8 <i>Chair: Pierre McKenzie</i>
16.00 - 16.30	FO[$<$]-Uniformity <i>C. Behle, Klaus-Joern Lange</i>
16.30 - 17.00	Circuit Lower Bounds via Ehrenfeucht-Fraïssé Games <i>Michal Koucký, Clemens Lautemann, Sebastian Poloczek, Denis Therien</i>
17.00 - 17.30	On Modular Counting with Polynomials <i>Kristoffer Arnsfelt Hansen</i>
20.30 - 22.00	Business Meeting



WEDNESDAY July 19, 2006

9.30 - 10.30	Session 9 <i>Chair: Jacobo Toran</i>
9.30 - 10.00	Learning Monotone Decision Trees in Polynomial Time <i>Ryan O'Donnell, Rocco Servedio</i>
10.00 - 10.30	Optimal Hardness Results for Maximizing Agreements with Monomials <i>Vitaly Feldman</i>
10.30 - 11.00	Coffee Break
11.00 - 12.00	Session 10 <i>Chair: Pierre McKenzie</i>
11.00 - 11.30	Minimizing DNF Formulas and AC_0^2 Circuits Given a Truth Table <i>Eric Allender, Lisa Hellerstein, Paul McCabe, Toni Pitassi, Michael Saks</i>
11.30 - 12.00	A Duality Between Clause Width and Clause Density for SAT <i>Chris Calabro, Russell Impagliazzo, Ramamohan Paturi</i>
12.00 - 14.00	Lunch Break
14.00 - 15.30	Session 11 <i>Chair: John Hitchcock</i>
14.00 - 14.30	QMA/qpoly Is Contained In PSPACE/poly: De-Merlinizing Quantum Protocols <i>Scott Aaronson</i>
14.30 - 15.00	Random Measurement Bases, Quantum State Distinction and Applications to the Hidden Subgroup Problem <i>Pranab Sen</i>
15.00 - 15.30	Strengths and Weaknesses of Quantum Fingerprinting <i>Dmitry Gavinsky, Julia Kempe, Ronald de Wolf</i>
15.30 - 15.45	Coffee Break
15.45	Meeting Point for Excursion & Czech Dinner at the Registration Desk
16.00 - 22.00	Excursion & Czech Dinner

THURSDAY July 20, 2006

9.30 - 10.30	Session 12 <i>Chair: Jacobo Toran</i>
9.30 - 10.00	Grid Graph Reachability Problems <i>Eric Allender, David A. Mix Barrington, Tanmoy Chakraborty, Samir Datta, Sambuddha Roy</i>
10.00 - 10.30	An Isomorphism between Subexponential and Parameterized Complexity Theory <i>Yijia Chen, Martin Grohe</i>
10.30 - 11.00	Coffee Break
11.00 - 12.00	Session 13 <i>Chair: Manindra Agrawal</i>
11.00 - 11.30	On the Complexity of Numerical Analysis <i>Eric Allender, Peter Bürgisser, Johan Kjeldgaard-Pedersen, Peter Bro Miltersen</i>
11.30 - 12.00	Oracles Are Subtle But Not Malicious <i>Scott Aaronson</i>
12.00 - 14.00	Lunch Break



PROGRAM



July 16 - July 20, 2006

Faculty of Mathematics and Physics of the Charles University
Malostranske namesti 25, Prague 1
Czech Republic

