

# Breakthroughs in Theoretical Computer Science

IIT Bombay, December 15-16, 2011  
Venue - Lecture Hall Complex Auditorium 11

## Schedule

<b>Thursday, December 15, 2011</b>		
8:30	9:25	Registration
9:25	9:30	Welcome and Announcements
9:30	10:30	Umesh Vazirani <i>Certifiable Quantum Dice</i>
10:30	11:00	Tea/Coffee Break
11:00	12:00	Manindra Agrawal <i>A Lower Bound on ACC</i>
12:00	13:30	Lunch Break
13:30	14:25	Jaikumar Radhakrishnan <i>Multi-party Communication Complexity of Set Disjointness</i>
14:35	15:30	Naveen Garg <i>The Traveling Salesman Problem</i>
15:30	16:00	Tea/Coffee Break
16:00	17:00	Aleksander Madry <i>Online Algorithms and the <math>k</math>-server Conjecture</i>
<b>Friday, December 16, 2011</b>		
9:30	10:30	Madhu Sudan <i>Multiplicity Codes: Locality with High Efficiency</i>
10:30	11:00	Tea/Coffee Break
11:00	12:00	Sanjeev Khanna <i>Edge-Disjoint Paths in Networks</i>
12:00	13:30	Lunch Break
13:30	14:25	Amit Kumar <i>Subexponential Lower Bounds for Randomized Pivoting Rules for the Simplex Algorithm</i>
14:35	15:30	Nisheeth Vishnoi <i>The Unique Games Conjecture</i>
15:30	16:00	Tea/Coffee Break
16:00	17:00	Aleksander Madry <i>Electrical Flows, Laplacian Systems, and Faster Approximation of Maximum Flow in Undirected Graphs</i>