New Developments in Exact Algorithms and Lower Bounds, IIT Delhi, December 13-14, 2014

Saturday 13th December 2014

Time	**Title**	**Speaker**
8:30- 8:55	Registration	
8:55 - 9:00	Welcome and Opening Remarks	
9:00-10:00	Models of Exact Algorithms for NP-hard Problems	Rahul Santhanam
10:10-11:10	On the Strong Exponential Time Hypothesis (SETH)	Ryan Williams
11:10-11:40	**Coffee Break**	
11:40-12.40	Backdoors to Satisfiability	M. S. Ramanujan
12:40-14:00	**LUNCH**	
14:00-15:00	Algorithmic Lower Bounds Based on ETH and SETH	Michał Pilipczuk
15:00-15:30	**Coffee Break**	
15:30-16:30	Exact Algorithms for Steiner Tree	Ondřej Suchý

Sunday 14th December 2014

Time	Title	Speaker
9:00-10:00	Parameterized Graph Modification: A Modern Perspective	Neeldhara Misra
10:10-11:10	Representative Families and Kernels	Fahad Panolan
11:10-11:40	**Coffee Break**	
11:40-12.40	Kernelization Lower Bounds : A brief History	Geevarghese Philip
12:40-14:00	**LUNCH**	
14:00-15:00	Approximating Maximum Independent Set problem in Sparse Graphs using Hierarchies	Nikhil Bansal
15:00-15:30	**Coffee Break**	
15:30-16:30	Graph Isomorphism is FPT parameterized by treewidth	Michał Pilipczuk
16:30-17:00	The Parameterized Complexity of Geometric Graph Isomorphism	Gaurav Rattan