

Research Promotion Workshop on
Introduction to Graph and Geometric Algorithms

Birla Institute of Technology & Science, Pilani
KK Birla Goa Campus
17-19 January 2013

Program

Time	January 17, 2013 (Thursday)	January 18, 2013 (Friday)	January 19, 2013 (Saturday)
08.30 hr.– 09.00 hr.	Registration		
09.00 hr.– 10.00 hr.	Inauguration: Welcome Address by Director, BITS Pilani, Goa	Abhiram G. Ranade: <i>Graph Partitioning</i>	Subodh Kumar: <i>Accurate and Efficient Rendering of Detail using Directional Distance Maps</i>
10.00 hr.– 10.30 hr.	Tea	Tea	Tea
10.30 hr.– 11.30 hr.	Sasanka Roy: <i>Introduction to Computational Geometry</i>	C. R. Subramanian: <i>Introduction to Randomized Algorithms</i>	Amitabha Mukerjee: <i>Introduction to Robot Motion Planning</i>
11.30 hr.– 12.30 hr.	Subir Ghosh: <i>Introduction to Approximation Algorithms</i>	Sachin Patkar: <i>Network Flows & Applications</i>	Sudhir Mudur: <i>The 3D Surface Reconstruction Problem and Some Solutions</i>
12.30 hr.– 13.45 hr.	Lunch	Lunch	Closing Session and Lunch
13.45 hr.– 14.45 hr.	John Augustine: <i>Introduction to Distributed Algorithms</i>	Sunil Chandran: <i>Rainbow Coloring of Graphs</i>	
14.45 hr.– 15.45 hr.	M V Panduranga Rao: <i>Introduction to Quantum Algorithms</i>	Vijay Natarajan: <i>Scalar Field Visualization: Level Set Topology</i>	
15.45 hr.– 16.15 hr.	Tea	Tea	
16.15 hr.– 17.15 hr.	Open Problem Session Chair: Venkatesh Kamat	Panel Discussion: <i>Is Research a Good Career Option?</i> Chair: Tarkeshwar Singh	