

Research Promotion Workshop on
Introduction to Graph and Geometric Algorithms

National Institute of Technology, Karnataka

Surathkal

January 10-12, 2012

Program

Time	January 10, 2012 (Tuesday)	January 11, 2012 (Wednesday)	January 12, 2012 (Thursday)
08.00 hr.– 09.00 hr.	Registration		
09.00 hr.– 10.00 hr.	Inauguration Welcome Address by Director, NIT Karnataka	C. R. Subramanian: <i>Randomized Algorithms</i>	Amitabha Bagchi: <i>Random Geometric Graphs and Wireless Networks</i>
10.00 hr.– 10.30 hr.	Tea	Tea	Tea
10.30 hr.– 11.30 hr.	Partha Goswami: <i>Introduction to Computational Geometry</i>	N. S. Narayanaswamy: <i>Perfect Graphs and Algorithms</i>	Saket Saurabh: <i>Preprocessing with Guarantee</i>
11.30 hr.– 12.30 hr.	Naveen Sivadasan: <i>Introduction to Online Algorithms</i>	Sathish Govindarajan: <i>Geometric Graphs</i>	Nisheeth Vishnoi: <i>Hardness of Approximation</i>
12.30 hr.– 13.45 hr.	Lunch	Lunch	Lunch
13.45 hr.– 14.45 hr.	Subir Ghosh: <i>Introduction to Approximation Algorithms</i>	Ajit Arvind Diwan: <i>Extremal Graph Theory</i>	Sudebkumar Prasant Pal: <i>Geometric Data Structures</i>
14.45 hr.– 15.45 hr.	Vijay Natarajan: <i>Scalar Field Visualization</i>	Subhasis Chaudhuri: <i>Haptic Rendering: How do we touch an object?</i>	Suresh Hegde: <i>Labeled Graphs and Digraphs: Theory and Applications</i>
15.45 hr.– 16.15 hr.	Tea	Tea	Closing Session and Tea
16.15 hr.– 17.15 hr.	Open Problem Session Chair: Sathish Govindarajan	Panel Discussion: <i>Is Research a Good Career Option?</i> Chair: Suresh M. Hegde	