

Research Promotion Workshop on  
Introduction to Graph and Geometric Algorithms

Thapar University  
Patiala  
October 28-30, 2010

**Program**

Time	October 28, 2010 (Thursday)	October 29, 2010 (Friday)	October 30, 2010 (Saturday)
09.15 hr.– 10.15 hr.	Registration and Inauguration Welcome Address: Director, Thapar University	Subhas Nandy: <i>Introduction to Randomized Algorithms</i>	Amitabha Mukerjee: <i>Geometric Modeling for Shape Classes</i>
10.15 hr.– 10.45 hr.	Tea	Tea	Tea
10.45 hr.– 11.45 hr.	Arijit Bishnu: <i>Introduction to Computational Geometry</i>	Naveen Sivadasan: <i>Introduction to On-line Scheduling</i>	Subhashis Banerjee: <i>Projective Geometry for Graphics and Computer Vision</i>
11.45 hr.– 12.45 hr.	Swami Sarvattomananda: <i>Geometric Data Structures</i>	Sumit Ganguly: <i>Sketching Streams</i>	Parag Chaudhuri: <i>Motion Graphs for Character Animation</i>
12.45 hr.– 14.00 hr.	Lunch	Lunch	Lunch
14.00 hr.– 15.00 hr.	Deepak Garg: <i>Introduction to Approximation Algorithms</i>	Arnab Basu: <i>Probability and Graphs</i>	Partha Pratim Goswami: <i>Duality in Geometry</i>
15.00 hr.– 16.00 hr.	Daya Gaur: <i>Approximation Algorithms and Linear Programming</i>	N. S. Narayanaswamy: <i>Characterizing Matrices with Consecutive Ones Property</i>	Subir Kumar Ghosh: <i>Robot Path Planning: Off-line and On-line Algorithms</i>
16.00 hr.– 16.30 hr.	Tea	Tea	Closing Session and Tea
16.30 hr.– 17.30 hr.	Open Problem Session Chair: Subhas Nandy	Panel Discussion: <i>Is Research a Good Career Option?</i> Chair: Deepak Garg	