Research Promotion Workshop on
Introduction to Graph and Geometric Algorithms

Indian Institute of Technology
Guwahati
October 21-23, 2011

Program

Time	October 21, 2011 (Friday)	October 22, 2011 (Saturday)	October 23, 2011 (Sunday)
08.00 hr.– 09.00 hr.	Registration		
09.00 hr.– 10.00 hr.	Inauguration Welcome Address by Director, IIT Guwahati	N. S. Narayanaswamy: Tree *Path Assignments: An extension of the Consecutive Ones Property*	Arijit Bishnu: Introduction *to Randomized Algorithms*
10.00 hr.– 10.30 hr.	Tea	Tea	Tea
10.30 hr.– 11.30 hr.	Partha Goswami: Introduction *to Computational Geometry*	Amitava Bhattacharya: *Graph Matching and Applications*	Sasanka Roy *Voronoi Diagrams*
11.30 hr.– 12.30 hr.	Sudebkumar Prasant Pal: *Geometric Data Structures*	S.N Maheshwari: *Network Flows and Applications*	Parag Chaudhuri: *Motion Graphs for Character Animation*
12.30 hr.– 13.45 hr.	Lunch	Lunch	Closing Session and Lunch
13.45 hr.– 14.45 hr.	Sandip Das: *Introduction to Approximation Algorithms*	R. Inkulu: Graph and *Geometric Shortest Paths*	
14.45 hr.– 15.45 hr.	Partha Bhowmick: Geometry, *Vision, and Graphics: A Number-theoretic Introduction*	Subhashis Banerjee: Projective *Geometry for Computer Vision*	
15.45 hr.– 16.15 hr.	Tea	Tea	
16.15 hr.– 17.15 hr.	Open Problem Session Chair: Sudebkumar P. Pal	Panel Discussion: *Is Research a Good Career Option?* Chair: Pinaki Mitra	