



INTRODUCTION TO GRAPH & GEOMETRIC ALGORITHMS
Workshop Schedule
22-24 Jan. 2009
Venue: 5104



Thursday, 22 January 2009	
Time	Programme
9.00 - 9.45	Inauguration
9.45 - 10.15	TEA
Session I: Algorithmic Paradigm (Session Chair: Prof. Sundar B)	
10.15 - 11.45	A short guided tour of Randomized Algorithms Prof. Sandeep Sen, IIT Delhi
11.45 - 13.00	Prune-and-search Technique in Geometry Swami Sarvattomananda, Vivekananda Univ., Belur
13.00 - 14.30	LUNCH
Session II: Computer Graphics I (Session Chair: Prof. R R Mishra)	
14.30 - 15.45	Projective Geometry for Graphics and Computer Vision Prof. Subhasis Banerjee, IIT Delhi
15.45 - 16.15	TEA
16.15 - 17.30	Symmetry & Structure Detection for 3D Geometry Prof. Niloy Mitra, IIT Delhi
BREAK	
20.15 - 21.45	Discussion on open problems
Friday, 23 January 2009	
Session III: Graph Algorithms (Session Chair: Prof. Rajiv Kumar)	
9.15 - 9.30	BITS Education System Prof. G Raghurama, BITS, Pilani
9.30 - 10.45	Geometric Packing Prof. Abhiram G. Ranade, IIT, Mumbai
10.45 - 11.15	TEA
11.15 - 12.15	Geometric Representations of Graphs Prof. L. Sunil Chandran, IISc, Bangalore
12.15 - 13.15	Geometric Graphs Prof. Sathish Govindarajan, IISc Bangalore
13.15 - 14.30	LUNCH
Session IV: Computer Graphics II (Session Chair: Dr. T S B Sudarshan)	
14.30 - 15.45	Scalar Field Visualization Prof. Vijay Natarajan, IISc Bangalore
15.45 - 16.15	TEA
16.15 - 17.30	Cache-friendly Compressed Representation for Geometry Prof. Subodh Kumar, IIT Delhi
Saturday, 24 January 2009	
Session V: Computational Geometry (Dr. Poonam Goyal)	
9.00 - 10.00	Duality Transformations in Geometry Prof. Partha Goswami, Calcutta University
10.00 - 10.30	TEA
10.30 - 11.30	Geometric Data Structures Prof. Sudebkumar P. Pal, IIT Kharagpur
11.30 - 12.30	Art Gallery Theorems and Approximation Algorithms Prof. Subir Ghosh, TIFR, Mumbai
12.30 - 13.00	Valedictory Function