

Research Promotion Workshop on
Introduction to Graph and Geometric Algorithms

National Institute of Technology

Patna

March 26-28, 2011

Program

| Time | March 26, 2010 (Saturday) | March 27, 2011 (Sunday) | March 28, 2011 (Monday) |
|-------------------------|--|--|--|
| 08.15 hr.– 09.00 hr. | Registration | | |
| 09.00 hr.– 10.00 hr. | Inauguration and Welcome Address: Director, NIT Patna | R. Inkulu : <i>Graph and Geometric Shortest Paths</i> | K. V. Subrahmanyam: <i>Network Flows and Applications</i> |
| 10.00 hr.– 10.30 hr. | Tea | Tea | Tea |
| 10.30 hr.– 11.30 hr. | Partha Goswami: <i>Introduction to Computational Geometry</i> | Sudebkumar Pal: <i>Geometric Data Structures</i> | Sandip Das: <i>Introduction to Approximation Algorithms</i> |
| 11.30 hr.– 12.30 hr. | Swami Sarvottomananda: <i>Algorithms on Planar Graphs</i> | Sathish Govindarajan: <i>Geometric Graphs</i> | Krishnendu Mukhopadhyaya: <i>Distributed Leader Election</i> |
| 12.30 hr.– 13.45 hr. | Lunch | Lunch | Lunch |
| 13.45 hr.– 14.45 hr. | Partha Bhowmick: <i>Vision, and Graphics: A Number-theoretic Introduction</i> | Surender Baswana: <i>Shortest Paths in Presence of Vertex Failures</i> | Saket Saurabh: <i>Preprocessing with Guarantee</i> |
| 14.45 hr.– 15.45 hr. | Subodh Kumar: <i>Geometry, Cache Friendly Compressed Representation for Geometry</i> | Amitabha Bagchi: <i>Random Geometric Graphs and Wireless Networks</i> | Subir Ghosh: <i>Online Algorithms for Searching and Exploration in the Plane</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: T. Haider | |