Silver Jubilee Workshop on
Introduction to Geometric Algorithms

October 31 - November 02, 2008

http://cse.iitkgp.ac.in/geomalgos

Organized by

Department of Computer Science and Engineering
Indian Institute of Technology
Kharagpur

Speakers

Subir Kumar Ghosh (TIFR Mumbai)

Sandip Das (ISI Kolkata)

Subhas Chandra Nandy (ISI Kolkata)

Yogish Sabharwal (IBM IRL Delhi)

Partha Pratim Goswami (CU Kolkata)

Swami Sarvattomananda (Vivekananda Univ. Belur)

Vijay Natarajan (IISc Bangalore)

Niloy J. Mitra (IIT Delhi)

Subodh Kumar (IIT Delhi)

Sharat Chandran (IIT Mumbai)

Partha Bhowmick (IIT Kharagpur)

Jayanta Mukhopadhyay (IIT Kharagpur)

Arijit Bishnu (ISI Kolkata)

Topics

Computational geometry
Art gallery problems and approximation algorithms
Geometric facility location problems
Voronoi diagrams

Geometric paradigms
Randomized techniques for geometry
Duality transformations in geometry
Computing center point using the prune-and-search technique

Computer Graphics
Cache friendly compressed representation of geometry
Scalar field visualization
Symmetry and structure detection for 3D geometry
Visibility of maps for point clouds

Digital Geometry
Anatomies of lines and circles in the light of number theory
In the quest for good digital distances
Act locally, change globally: Shape transformations by local interchanges

Coordinators

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Department of Computer Science and Engineering
IIT Kharagpur

Subir Kumar Ghosh
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TIFR, Mumbai

Registration

(Inclusive of lunch, accommodation, and course materials)

Academic Institution (Faculty): Rs. 600.
Industry: Rs. 1000.

Bonafide students (graduated/post-graduate/doctoral) from institutes other than IIT Kharagpur
will be given free registration covering lunch and accommodation.

For details, please visit:
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