

Research Promotion Workshop on Introduction to Graph and Geometric Algorithms (IGAA_2010)

FEBRUARY 11-13, 2010

DEPT. OF COMPUTER SCIENCE,

BANARAS HINDU UNIVERSITY



INTRODUCTION

Advances in computing and networking, high-end computers, large data stores, and middleware capabilities are ushering in a new era of high-performance parallel and distributed computing. Along with these new capabilities come new challenges. The goal of the

Research Promotion Workshop on Graph and Geometric Algorithms (IGAA_2010)

is to encourage innovation in high performance computing and communication technologies and to stimulate the use of these technologies in key areas of computer application. It will promote the exchange of ideas and information among universities, industries, and national laboratories about new developments in high performance computing and communication that address current scientific and technical

challenges within the application community.

CONFERENCE & WORKSHOP

The conference plans to cover all the dimensions of Graph and Geometric algorithms. Broad areas of interest include:

- ❖ High Performance Applications
- ❖ Discrete Mathematics and its Applications
- ❖ High Performance Software Tools
- ❖ Distributed and Grid Computing and Graph
- ❖ Visualization and Data Management
- ❖ Problem Solving Environments
- ❖ Sequential and Parallel Algorithms and Architectures
- ❖ High Performance Discrete Event Simulation
- ❖ Graph Algorithms
- ❖ Graph Clustering
- ❖ Graph algorithms using MATLAB
- ❖ Graph Coloring
- ❖ Theory of Computation & Graph Computing
- ❖ Computing Applications etc.

IMPORTANT DATES

Full Paper Submission: Jan 10, 2010

Notification of acceptance: Jan 20, 2010

Registration due: Jan 31, 2010

Prospective authors are invited to submit full papers (up to 10 pages, single column) on topics related to the areas listed above. Submissions will be evaluated on relevance, technical quality, and exposition. Papers must not have appeared before (or be pending) in a journal or conference with published proceeding, nor may they be under review or submitted to another forum during the IGAA-2010 review process. All accepted papers will be published in the proceeding. Papers should be submitted electronically (in PDF or DOC format). At least one author of an accepted

paper must register for the conference and must present the paper at the conference.



MODE OF PAYMENT

The registration fee for participants and authors can be paid by a bank draft drawn in favour of the "Organizing Secretary, IGAA-2010, Banaras Hindu University, Varanasi-221005".

The draft along with registration form should be sent to:

Dr. P.K. Mishra

Head & Coordinator

IGAA-2010

Department of Computer Science

Banaras Hindu University

Varanasi- 221005 (India)

Participants	Amount
Student	Rs. 1200/-
Academic	Rs. 1500/-
Industry	Rs. 2000/-

VENUE

The venue for "IGAA-2010" would be at the Senate Hall, Swatantrata Bhawan, Banaras Hindu University, Varanasi-221005.

CONFERENCE COMMITTEE

Chief Patron

Prof D P Singh

Patrons

Prof B D Singh, Rector, BHU, Varanasi.

Prof S C Lakhotia, Dean, Faculty of Science, BHU, Varanasi.

Advisory Committee

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Prof C K Sharma, APSU-Rewa.

Prof L M Patnaik, IISC Bangalore.

Prof Subir Ghosh, TIFR, Mumbai.

Prof Ramesh Krishnamurti, Canada.

Prof. Umesh Singh, DST-CIMS, BHU, Varanasi.

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Prof A K Tripathi, Dept of Computer Engineering, BHU, Varanasi.

Prof A K Agrawal, Dept of Computer Engineering, BHU, Varanasi.

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Prof Manju Pandey, Dept of Zoology, BHU.

Prof A K Srivastava, Dept of Mathematics, BHU.

Prof D P Singh, Dept of Physics, BHU, Varanasi.

Organizing Secretary & Convener

Dr P K Mishra, Dept. of Computer Science, BHU, Varanasi.

PROGRAM COMMITTEE

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Mr RS, Yadav, Computer Centre, Banaras Hindu University.

Mr. Shailendra Singh, Dept. of Computer Science, RGSC, BHU, Barakachha, Mirzapur.

Mr Satendra Kuma, Dept. of Computer Science, RGSC, BHU, Barakachha, Mirzapur.

ABOUT DEPARTMENT

The department of Computer Science was established in the year 1987 with the main objective of providing trained manpower in the area of Computer and Systems Sciences and to promote state of the art research in Computer Sciences, Applications and related areas. In the beginning the department offered an undergraduate course B.Sc. (Hons.) in Computer Science. Teaching at postgraduate level was started with M. Sc. (Computer Science) program in the year 1990. The MCA program started in 1994. In addition to teaching programs, the department also offers research program leading to Ph. D degree in Computer Science.

ABOUT VARANASI

The holy city of Varanasi, known as the city of temples and learning, is a place of great historical and cultural importance. This religious capital of India is situated on the banks of the holy river Ganges and is presided over by Lord Shiva. The holy Buddhist place, Sarnath is in its precincts. Varanasi is the premiere most place of oriental learning. Simultaneously it is keeping pace with modern advanced knowledge. It has three universities. one Tibetan Institute and an Institute of Arabic Studies. The city is reputed for silk fabrics, perfumes, artistic brass and copper wares and

a variety of handicrafts. This vibrant city of joy knowledge and liberation has a magnetic attraction for people all over the world.

HOW TO REACH

The city of Varanasi is well connected by road, rail and air with all the important places of India. Tickets may also be booked online. There are also regular flights from Varanasi to Delhi, Mumbai, Khajurahu, Kathmandu and Lucknow. The Banaras Hindu University campus is only 8KM away from Varanasi Cant and 20KM away from Mughal Sarai railway station.

For details please visit:

<http://www.bhu.ac.in/ComputerScience/HP/CAConference/index.htm>

*Wish You A Very Happy New Year 2010
& Looking Forward to meet you.*