

Required Lodging/Boarding Facility?

Yes/No

Details of the Payment:

DD/Cheque can be drawn in favour of
“ Fr Conceicao Rodrigues College of
Engineering”, payable at Bandra, Mumbai -
50.

DD/Cheque No. : _____

Date: _____ Bank: _____

I agree that I will abide by the rules and
regulations governing TIFR-CRCE Workshop
and I will attend the Course for Entire duration.

Place: _____

Date: _____
Signature of the applicant

Undertaking:

Mr/Ms/Dr. _____
is an employee of our institution and is
sponsored to attend Workshop.

Place: _____

Date: _____
Signature of Head of the Institution

Course Fees:

The course is organized on a self sponsored
basis.

1. For Faculty / Participants from
Industry : Rs. 500/-
2. For Students : Rs. 300/-

This includes expenses towards food, course
material. Travel, boarding, lodging and other
expenses will be borne by participants or their
organizations.

On prior request, lodging can be
arranged, if required.

Course Contents:

- ▶ Art Gallery Problems & Approximations
- ▶ Geometric Spanners
- ▶ Links Paths & Reflection Visibility Problems
- ▶ Proximity Problems for Points
- ▶ Proximity Problems for Lines & Segments
- ▶ Geometric Facility Location Problems
- ▶ Helly's Theorem and Centre Point
- ▶ Visibility of Maps for Point Clouds

Contact Numbers :

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Workshop on Introduction to Geometric Algorithms

on
July 22-23, 2008

◀ Coordinators ▶

Prof. Subir Kumar Ghosh
Prof. Sunil Surve

Jointly Organized by
Tata Institute of Fundamental Research



&

Fr. Conceicao Rodrigues
College of Engineering.

(Affiliated to the University of Mumbai)
Celebrating 25 Yrs of Service (1984-2009)



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Background :

In the last four decades, geometry problems have been studied by computer science researchers using the framework of analysis of algorithms. The main impetus for the development of geometric algorithms came from the progress in computer graphics, computer-aided design and manufacturing. In addition, algorithms are also designed for geometric problems that are classical in nature. The success of the field can be explained from the beauty of the geometry problems studied, the solutions obtained, and by the many application domains-computer graphics, geographic information systems, robotics and others, in which geometric algorithms play a crucial role.

Objective :

This introductory workshop will provide an opportunity to the participants for getting exposed to the field of geometric algorithms. Such an exposure may benefit them in future in solving geometric problems and designing new geometric algorithms. With this objective, geometric algorithms for some problems will be presented by a distinguished panel of speakers. Open problems will also be discussed.

Participant :

Teachers and students of Computer Science and Engineering are eligible to register for this workshop. Participants are expected to have taken introductory courses in Discrete Mathematics, Data Structures, and Algorithms. Engineers and IT Professionals working in Industries are also eligible to attend the workshop.

About College :

Fr. Conceicao Rodrigues College of Engineering (CRCE), is an 'A' grade college established in 1984 by the Society of St. Francis Xavier Pilar, and is named after its founder Late Fr. Conceicao Rodrigues. The College offers Bachelor Degree courses in Production Engg., Electronics Engg., Computer Engg. and Information Technology. The college also offers Masters in Electronics Engineering, CAD/CAM and Manufacturing Engineering.

Course Faculty :

▶ Prof. Subir Kumar Ghosh

Tata Institute of Fundamental Research,
Mumbai

▶ Prof. Anil Maheshwari,

Carleton University, Canada

▶ Prof. Sudebkumar Prasant Pal

Indian Institute of Technology Kharagpur,
West Bengal

▶ Prof. Subhash Chandra Nandy

Indian Statistical Institute, Kolkata

▶ Prof. Partha Pratim Goswami

University of Kalyani, West Bengal

▶ Prof. Pinaki Mitra

Indian Institute of Technology, Guwahati

▶ Prof. Sharat Chandran

Indian Institute of Technology, Mumbai

▶ Swami Sarvottamananda

RKM Vivekananda University, West Bengal

Please visit our website for further details:

www.fragnel.ac.in

Registration Form

TIFR-CRCE Workshop on Introduction to Geometric Algorithms

Name: _____

Mailing Address: _____

Telephone (Res.) _____

Telephone (Mob.) _____

Email _____

Qualification _____

Designation &
Department _____

Address (Office) _____

Telephone (Office) _____

Fax _____

Experience -
Teaching _____
Industrial _____