

(TOPAS-2017)
**A NATIONAL CONFERENCE
ON
ENGINEERING MATHEMATICS**

16-17th, DECEMBER 2017



Organized by
DEPARTMENT OF MATHEMATICS
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR -721302, WEST BENGAL, INDIA

Webpage: www.iitkgp.ac.in

Supported by
Theoretical Computer Science Group (TCSG)
Operations Research Group (ORG)
Pure Mathematics Group (PMG)
Applied Mathematics Group (AMG) &
Statistics Group (SG) of the Department



Objectives

Main objective of the Conference is to provide a common platform to Indian Scientists, Engineers, Academicians as well as Research Scholars from all over the country to discuss recent work on different branches of Engineering Mathematics such as Theoretical Computer Science (TCS), Operations Research (OR), Pure Mathematics (PM), Applied Mathematics (AM) and Statistics (S). Our main concern is to inspire all the scientists and engineers for the collaborative research work in various branches of Mathematics. The conference enables academicians, engineers and scientists to promote their thoughts and research ideas through various invited talks. Paper presentation will provide an opportunity to the young researchers, engineers and scientists to interact with each other and to exchange their innovative ideas in Mathematics.

Thrust Areas

1. Theoretical Computer Science (**T**)
2. Operations Research (**O**)
3. Pure Mathematics (**P**)
4. Applied Mathematics (**A**)
5. Statistics (**S**)

The thrust area is briefly known as TOPAS. Brief name of the conference of this year is

TOPAS-2017: This conference is periodic in nature. It will be arranged every year in the middle of December for two days (Saturday and Sunday).

Accommodation

A limited number of rooms are available in the Technology Guest House on the payment basis. Accommodation can be arranged in the Technology Guest House after receiving the request from the participants. Accommodation for the young research scholars can be arranged in the Student Hostel on payment basis.

Deadlines:

Abstract Submission (within 200 words)	August 31, 2017
Acceptance of Abstract	September 17, 2017
Full Paper Submission (Optional)	October 17, 2017
Payment of Reg. Fee	October 17, 2017
Abstract / Full paper must be submitted to:	topas@iitkgp.ac.in / 2017topas@gmail.com

Registration Fee:

FACULTY / ENGINEERS / SCIENTISTS	₹ 3000/-
RESEARCH SCHOLARS	₹ 2000/-
ACCOMPANY PERSONS	₹ 1500/-
Late Fee (After October 17, 2017)	₹ 1000/-

Payment of Registration Fees details is given in last page.

Patron:

Professor Partha Pratim Chakrabarti
Director, IIT Kharagpur

Convener:

Professor M.P. Biswal
Head, Department of Mathematics, IIT Kharagpur

Co-convener:

Prof. U. C. Gupta (Statistics)
Department of Mathematics, IIT Kharagpur

Other Co-conveners:

1. Professor D. K. Gupta (Theoretical Computer Science)
Department of Mathematics, IIT Kharagpur
2. Professor G. Panda (Operations Research)
Department of Mathematics, IIT Kharagpur
3. Professor P.D. Srivastava (Pure Mathematics)
Department of Mathematics, IIT Kharagpur
4. Professor S. Bhattacharyya (Applied Mathematics)
Department of Mathematics, IIT Kharagpur

About the Institute

The Indian Institute of Technology Kharagpur (IIT Kharagpur or IIT KGP) is established by the Government of India in 1951. It is the first of the IITs to be established, and is recognized as an Institute of National Importance by the Government of India. As part of Nehru's dream for a free self-sufficient India, the institute was established to train scientists and engineers after India attained independence in 1947. Among all IITs, IIT Kharagpur has the largest campus 2100 acres, most departments, schools and centres and the highest student enrollment.

About the Department

The Department of Mathematics has started in 1951 through the vision and untiring efforts of late Prof. B. R. Seth, the first head of the Department. With his dynamic leadership, a strong school of Continuum Mechanics came into existence. In fact, this school has become a pool to cater experts to various other new Institutes that have come up consequently. The Department provides the following Academic Programmes (1) 5-year Integrated M.Sc. Mathematics & Computing, (2) Joint M.Sc. – Ph.D. in Mathematics, (3) Joint M.Tech. – Ph.D. Program in CSDP, (4) MS Programme and Research Programme (Ph.D.) in Mathematics. The first two programmes are first of their kind in the Country and witnessed integration of Mathematics with Theoretical Computing Science. Current areas of research of the department can be broadly classified into the categories like Pure Mathematics group, Theoretical Computer Science Group, Operations Research Group, Applied Mathematics Group and Statistics Group. The Department tried its best to cater the needs of the Institute where specific tailor made courses are to be offered to the needs of engineering departments. This helped to have a close collaboration with some of the engineering departments, which lead to joint Ph.D. supervisions.

Route Map

Kharagpur is a well known over the land marks. One, the longest railway platform and the other, the Indian Institute of Technology, more commonly known as IIT situated about 120 km west of Kolkata. The nearest airport to Kharagpur is the Netaji Subhas Chandra Bose International Airport, Kolkata. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes drive (5km) from the Kharagpur Railway Station.

Tourist / Historical places

IIT Kharagpur is place with historical importance known as Hijli detention camp. Digha is 120 km and Bishnupur is 90 km from this place. Near by places like Golebazar, Gatebazar and Jagannath Temple are to be visited. Nehru Museum and Hijli Prison Cell are the sightseeing places in the Campus.

Advisory Committee

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43. Prof. N. Gupta, BIT Mesra, Ranchi
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14. Prof. B. Bhowmik, IIT Kharagpur

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2. Prof. K. Ghoshal, IIT Kharagpur
3. Prof. N. Gupta, IIT Kharagpur
4. Prof. R. Dutta, IIT Kharagpur
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2. Prof. B. Bhowmik, IIT Kharagpur
3. Prof. A.V. Rao, IIT Kharagpur
4. Prof. R. Nanduri, IIT Kharagpur

(III) Accommodation

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2. Prof. D. Biswas, IIT Kharagpur
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(IV) Cultural

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5. Prof. A. K. Ojha, IIT Bhubaneswar
6. Prof. R Nayak, IIT Bhubaneswar



Host

Shri Pradip Pyne
Registrar, IIT Kharagpur

Please contact: **Prof. M. P. Biswal, Convener-TOPAS(2017)**
E-mail : topas@iitkgp.ac.in / 2017topas@gmail.com

The details of our Bank Account to enable electronic payment

1. Name of the Account as appearing in the Bank Account : CEP-STC
2. Bank Account Number : 9556 220 000 2955
3. Name of the Bank : SYNDICATE BANK
4. Branch Name : SRIC, IIT Kharagpur
5. M I C R Code of the Bank : 721025103
6. IFSC Code of the Bank : S Y N B 0 0 0 9 5 5 6
7. SWIFT Code of the Bank : S Y N B I N B B 1 2 0

卐 Registration form 卐

National conference on Engineering Mathematics (TOPAS 2017)

16 - 17th Dec, 2017

(To be submitted through online)

1. Name : _____

2. (a) Age : _____ (b) Sex : M / F _____

3. Present Position : _____

4. Affiliation : _____

5. Address of correspondence : _____

E-mail : _____

Phone / Mobile : _____

6. Area(s) of interest : _____

7. Accommodation required : Yes / No _____

8. Accompany Persons : _____

9. Title of Paper : _____

For Foreign Delegates

10. Nationality : _____

11. Date of Birth _____

12. Name as it appears in the Passport : _____

13. Passport Number : _____

14. Date of Issue : _____ Date of Expiry : _____

Date : _____

Place : _____

Signature of the Applicant