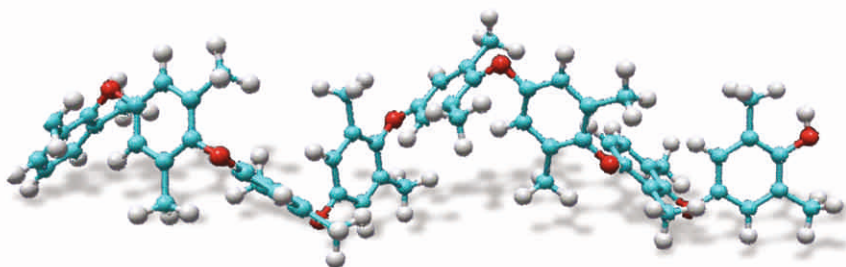




INTERNATIONAL CONFERENCE ON
**ADVANCES IN POLYMER SCIENCE
AND RUBBER TECHNOLOGY (APSRT)**
CHALLENGES TOWARDS 2020 AND BEYOND

March 3-5, 2011



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
AS A PART OF DIAMOND JUBILEE CELEBRATIONS OF IIT KHARAGPUR

ABOUT THE CONFERENCE

The real journey of macromolecules started in 1920s when Hermann Staudinger introduced the revolutionary concept of 'Macromolecules'. The foundation stone of rubber technology was laid, when Charles Goodyear first started and patented the vulcanization of natural rubber in 1839. There have been tremendous advances in science and technology of polymer and rubber since last few decades. Apart from their conventional application in the field of construction, automobiles, engineering and defence, polymers and rubbers are now being used in critical applications like in aerospace, microelectronics, medical and biomedical. The continuous development in polymer based advanced materials for self healing, shape memory, microelectronics etc are expected to change the quality of human life in future. Due to globalization as well as recent economic recession there are interesting developments in polymer and rubber industries. Different industries and research institutions have been urged to develop new polymers and polymeric materials and to explore new innovative technology for production of quality products. This International Conference will delineate recent developments in the science and technology of polymers and rubbers. It will also focus on the future trends in the field of polymer and rubber science towards the next decade which will bring the completion of almost a century since the concept of "Macromolecules" put forward by Staudinger.

This conference will include plenary lectures, invited lectures, special lectures by experts from academia and industries. Young scientists are also encouraged to give oral and poster presentation.



About Indian Institute of Technology Kharagpur



Indian Institute of Technology (IIT) Kharagpur the first member of the 16 member IIT family (7 existing and 9 new IITs, as shown in the map of India) was established in May, 1950 in Hijli, Kharagpur in the eastern part of India. IIT Kharagpur started its journey in the old Hijli Detention Camp where some of our great freedom fighters toiled and sacrificed their lives, before our country finally became independent on 15th August, 1947. This is probably one of the very few Institutions in the World which started its journey in a prison house. IIT Kharagpur is the largest in IIT

family. The campus is very green, clean, calm and quiet and free from urban noise and pollution, an ideal temple for study and research. The campus is imaginatively laid out with green parks, huge playgrounds, big auditoriums, students' hostels, residential zones for faculty and staff members, health centre, cultural-cum-social and recreational zones for campus community. The Institute campus has all elements to fall in love at first sight.

Rubber Technology Centre

Rubber Technology Centre (RTC) is a unique Centre, the first of its kind in our country. The first Rubber Technology Laboratory in our country for the purpose of teaching and research was established in 1955 in the Department of Applied Chemistry in IIT, Kharagpur under the collaborative program with the British Government (the Colombo Plan), the USA Government (Technical Collaboration Mission) and Ministry of Education, Government of India. The independent Rubber Technology Centre was established in 1981. The Centre acquired advanced processing, testing and characterization equipment from Indo-British, Indo-French Collaborative Programs and also a large number of research projects from CSIR, DST, DAE, ISRO, ARDB, DRDO, DBT, RDSO. During last three decades since its inception this Centre has done pioneering work in research and education in rubber and polymer science and technology. The Centre has many research projects funded by different Government funded agencies, industries (in India and abroad) and importantly by National & International collaborative/exchange research program.



The Centre is now well-equipped with different modern analytical instruments required for the basic and applied research in rubber and polymer science and technology. The state of the art research program of the Centre is focused on the development of new products, novel processing technology, polymer blend & alloys in developing advanced materials like nanocomposites, novel block and graft copolymers, thermoplastic elastomers (TPE), smart materials, thermoreversible self-healing materials, EMI shielding materials.

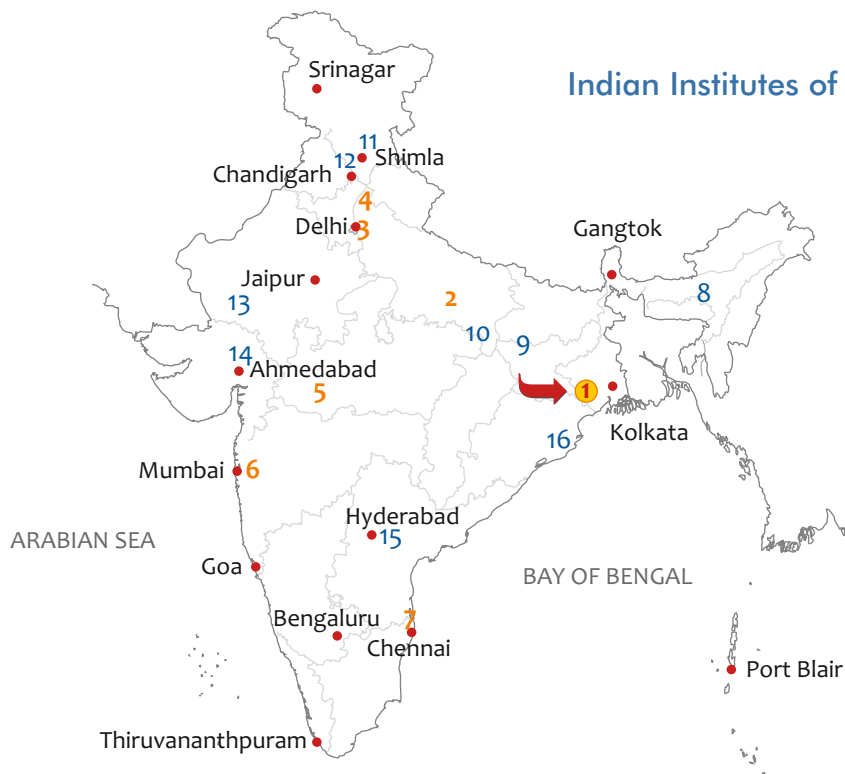
Conference Topics

- New methods for synthesis of polymers and rubbers
- Chemical and physical modification of polymers and rubbers
- Polymer blends & composites
- Nanotechnology with polymer
- Polymers in life science
- Polymers in energy
- Polymers in separation/purification
- Characterization of polymers & rubbers
- Polymer/Rubber compounding & processing
- Smart polymers and composites
- Paints, coatings and adhesives
- Design and development of different rubber products
- Recycling of polymers & rubbers
- Intellectual property rights in polymers

Conference Language

English

Location of IIT Kharagpur in India



Indian Institutes of Technology

- 1 IIT Kharagpur
- 2 IIT Kanpur
- 3 IIT Delhi
- 4 IIT Roorkee
- 5 IIT Indore
- 6 IIT Bombay
- 7 IIT Madras
- 8 IIT Guwahati
- 9 IIT Patna
- 10 IIT Varanasi
- 11 IIT Mandi
- 12 IIT Rupnagar
- 13 IIT Jodhpur
- 14 IIT Gandhinagar
- 15 IIT Hyderabad
- 16 IIT Bhubaneswar

Accommodation

Accommodation will be arranged on request in Hotels/Guest Houses. Charges will be paid by the participants.

Venue & Duration

The conference will be held in the Indian Institute of Technology, Kharagpur during March 3-5, 2011.

Place and Climate

Kharagpur is about 120 km south-west of Kolkata and is well connected by rail and road with important metros like Delhi, Mumbai, Chennai, Bangalore and Kolkata and also with other important cities in India. It is known that Kharagpur Railway station has the longest railway platform in the World. The distance from Kolkata airport (an International airport) to Kharagpur is about 130 km and is travelled in about 2 hours by car. The climate at Kharagpur during early March is very pleasant. Temperature varies from 17-25°C.

International Conference Committee

Patron: Prof. D. Acharya, Director, IIT Kharagpur

Chairman: Prof. G. B. Nando, Head, RTC

Convenor: Dr. Nikhil K. Singha

Co-Convenor: Prof. Dipak Khastgir

Treasurer: Prof. T. K. Chaki

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DRM, SE Railway, Kharagpur

Registration Fees

Overseas Delegates:

Participant	: \$ 400
Accompanying person	: \$ 150
Students	: \$ 250

Indian Delegates:

Industry	: ₹ 8000/- (₹ 7000 for IRI/AIRIA Member)
Academia / Research Institute	: ₹ 4000/-
Students	: ₹ 2500/-
Accompanying person	: ₹ 1500/-

For registration after January 31, 2011 and spot registration: 20% extra charges will be applicable.

Invitation to participate in the conference as sponsors, co-sponsors and supporters.

Sponsorship

(Includes 4 free delegates + mention on banners, brochures, souvenirs etc. + one page advertisement) ₹ 1,00,000/- (\$ 2000)

Co-Sponsorship

(Includes 2 free delegates + mention on banners, brochures, souvenirs etc. + half page advertisement) ₹ 50,000/- (\$ 1000)

All payments will be made in favor of "APSRT 2011" payable at Syndicate Bank, Kharagpur or any other National Bank at Kharagpur.

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(Includes 1 free delegate + mention on banners, brochures, souvenirs etc. + half page advertisement) ₹ 30,000/-

Souvenir

One page advertisement : ₹ 10,000/-
Half page advertisement : ₹ 5,000/-

Important Dates & Deadlines

Deadline for Abstracts	: Nov. 30, 2010
Notification for acceptances	: Dec. 20, 2010
Deadline for full manuscripts (Extended abstract)	: Jan. 31, 2011
Last date for advance registration	: Jan. 31, 2011

Publication

Authors of papers selected for presentation in the conference will be expected to give oral presentation or poster presentation during the conference and submit the complete manuscript (3-4 pages) as per guidelines before the deadline. All accepted abstracts and papers will be published in proceedings.

Exhibition

An exhibition will be organized during the conference. Limited stalls (2.5m x 2.5m) will be available and will be distributed on "first come first served basis".

Proceedings

Abstracts of accepted papers will be published in the conference proceedings which will be handed over to the delegates at the registration counter.



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CHALLENGES TOWARDS 2020 AND BEYOND

March 3-5, 2011

REGISTRATION FORM

Participation Oral Presentation Poster Presentation Sponsor Co-sponsor

Name

Title

Position

Address

Abstract/Title

Name of authors

Phone Fax

Email

Cheque No Amount

Bank Date

Signature Date

Registration payments should be made through bank drafts or cheques in favour of 'APSRT 2011' payable at Kharagpur India. Bank transfer of registration fee may also be made. Please send the transfer receipt to the address below. The bank details are as follows.

Name of the bank: Syndicate Bank, SRIC, IIT Kharagpur - 721302, INDIA

Account No.: 95561010000489 | **Swift Code:** SYN BIN BB120

Correspondence

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