

ADVANCES IN POLYMER SCIENCE AND RUBBER TECHNOLOGY VISION 2030 TO BE HELD ON SEPT. 24-27, 2019 (APSRT 2019)

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Important Dates & Deadlines

Deadline for 1page abstract:
15th July, 2019

Notification for acceptances:
31st July, 2019

Last date for advance
registration: **16th August, 2019**

Proceedings

Abstracts selected for
presentation in the conference
will be expected to give oral
presentation or poster
presentation in the conference.
All accepted abstracts will be
published in proceedings.

Mini Expo

A mini expo will be
organized during the
conference. Limited stalls
(2.5m x 2.5m) will be
available.



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POLYMER SCIENCE
AND RUBBER
TECHNOLOGY
APSRT 2019
Vision 2030**
24-27 SEPTEMBER 2019



RUBBER TECHNOLOGY CENTRE
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR INDIA

ABOUT INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Indian Institute of Technology Kharagpur (IIT KGP), the first and largest of 26 members IIT family was established in the year 1951 at Hijli detention camp at Kharagpur in West Bengal, India. This is probably one of the very few Institutions in the World which started its journey in a prison house. Since its inception in May 1951, this Institute has been transformed into a breeding ground for the dissemination of knowledge in the field of engineering and technology to reach the frame of a world class Institute. Not only it has preserved the traditional Gurukul Ashram Culture of India but also has emerged as one of the best Technological Institutes of The Modern World. The campus is very green, calm and quiet and free from urban noise and pollution, an ideal temple for education and research. The campus is imaginatively laid out with a beautiful lake, 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.



ABOUT 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 government organization and industries. During last three decades since its inception this Centre has done pioneering work in research and education in rubber and polymer science and technology. In 2014 it was awarded as the best Institute for education and research in Rubber Science and Technology by the 'Rubber Asia' magazine.

The state of the art research program of the Centre is focused on the development of new functional advanced polymers & elastomers, novel processing technology, new polymer and rubbers from sustainable materials, polymer

blends & alloys in developing advanced materials like nanocomposites, based on nano-clay, nano-silica, nano-titania, novel block and graft copolymers, thermoplastic elastomers (TPE) and thermoplastic vulcanization (TPV). The research agenda of RTC also includes development of smart materials based on self-healable rubbers & polymers, shape-memory polymers, hydrophobic polymers, thermo-reversible core shell materials, multi-responsive hydrogels for targeted drug delivery magnetic-polymers, EMI shielding materials, radiation

processing/crosslinking, reactive mixing etc. The Centre also works on the innovative technologies for the development of different products, like green tire technology, inflatable seals, cables, conveyor belt, rubber roller, shoes, packaging etc. The Centre has close collaboration with the academia as well as many polymer and rubber industries in India and abroad. The details of the activity of the Centre is available in this website: <http://www.iitkgp.ac.in/department/RT>

CONFERENCE LANGUAGE

English

LOCATION OF IIT KHARAGPUR IN INDIA



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 September 24-27, 2019.

PLACE AND CLIMATE

Kharagpur is about 130 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 of 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 2.5 hours by car. The climate at Kharagpur during late September is very pleasant. Temperature varies from 24-30°C.

OBJECTIVE OF THE CONFERENCE

The main objective of this conference is to bring the scientists and technologists working in polymer science and rubber technology under one umbrella to discuss recent advances and innovative technologies in the above mentioned area. They will discuss the future trends towards 2030.

CONFERENCE TOPICS

- ◆ New materials via novel synthesis & modification process
- ◆ Green & sustainable process & technology
- ◆ Blends, composites and TPEs
- ◆ Nanotechnology with polymers and rubbers
- ◆ Polymers in life science
- ◆ Polymers in Energy
- ◆ Novel Characterization and analytical techniques
- ◆ Rubber/Polymer compounding
- ◆ Rubber Processing and Vulcanization
- ◆ Smart materials and composites
- ◆ Paints, coatings and adhesives
- ◆ Design and development of different rubber products, Modelling
- ◆ Recycling of polymers & rubbers

INTERNATIONAL CONFERENCE ON ADVANCES IN POLYMER SCIENCE & RUBBER TECHNOLOGY

Vision 2030

September 24-27, 2019

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