

Topics Likely to be Covered:

- Basic Rubber Science and Technology
- Polymer Nanocomposites and New Polymers
- Tire Technology
- Thermoplastic Elastomers (TPEs and TPVs)
- Scope of Polymers in Electric Mobility
- Rubber Compounding & Characterization
- Compound Analysis by Reverse Engineering
- Trends in Rubber Product Manufacturing & Design
- FEM/Simulation
- Adhesion Science and Technology
- Sustainability and Circular Economy

LECTURES:

Lectures will be delivered by the faculty members of IIT Kharagpur and experts from R & D organizations and industries.

ELIGIBILITY:

Candidates must be graduates in Science/Engineering/ Technology with working experience in rubber and allied industries.

February 27 to March 02, 2023

REGISTRATION AND FEE PAYMENT PROCESS :

The course fee can be paid through IIT Kharagpur by following the steps given below:

Candidate should apply “online” by clicking “Apply for CEP Events”.

Under EVENTS section in the Institute website: www.iitkgp.ac.in. click on how to apply at the top the page.

Follow the instructions given there for signing up and editing your profile. Scroll down to the Short Term course SELF SPONSORED on **RECENT ADVANCES IN RUBBER TECHNOLOGY 2023**.

Click on the “Apply Now” Button and follow the instruction page available at the How to Apply link.

Or Contact course Coordinators if you need any information and help for registration.

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SHORT TERM COURSE ON RECENT ADVANCEMENT IN RUBBER TECHNOLOGY 2023 (RART 2023)



Rubber Technology Centre
Indian Institute of Technology
Kharagpur-721302
West Bengal, India

CO-ORDINATORS:

**DR. TITASH MONDAL
PROF. KINSUK NASKAR**

OBJECTIVE:

The last decade has witnessed an explosive development and growth of various technologies in the world. As the modern civilization depends heavily on the use of rubber in defense, aerospace, automotive and electronic industries, there is a great demand on the right elastomeric materials and the best technology. The need for improved elastomer performance such as high temperature stability and improved mechanical strength is well balanced with the need to reduce processing costs. It has become absolute necessary to understand the behavior of these new materials as well as new techniques for their evaluation. The short term course is aimed at to deal with modern methods of processing and characterization including recent developments in methods, equipment and technologies used in rubber industries. The course will include theory classes followed by demonstration in laboratory.

REGISTRATION:

Registration fee of the course for each participant is Rs. 15000/-. This fee includes registration kit and course materials including bound volume of all lectures during the course. Candidates will be selected on “First come, First served basis”.

TRAVEL EXPENSES:

All travel expenses will have to be borne by the participants.

BOARDING AND LODGING:

Boarding and lodging will be arranged in the guest house located in the campus on chargeable basis separately.

REGISTRATION FORM

Procedure for applying through IIT Kharagpur online course registration portal

Use the link : <https://erp.iitkgp.ac.in/CEP/courses.htm>

Steps to be followed : 1.Sign-Up 2.Verify your email-id (link will be sent to your e-mail) 3.Login 4.Edit Profile (Fill up all the mandatory fields, upload photo and signature) 5.Click on 'APPLY NOW' button. 6.Upload your .pdf format id-card (if necessary).

***An e-mail will be communicated from Principal Coordinator/Convenor/Organizer, IIT Kharagpur to the shortlisted applicants stating the payment procedure.

*** This is a onetime sign up process for applying through IIT Kharagpur online course registration portal. You can apply for any other program using the same Login-id and Password.

For any help please contact the coordinators



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We are planning to bind the lecture notes in the form of a book. This will be distributed amongst the participants and also sold after the course. In the past, we received good response from the companies who use this book for education and reference purpose. We are inviting advertisement for the book. The full page advertisement charge will be Rs. 15000/- (*Rupees Fifteen thousands only*). A complimentary copy of the book will be given to the advertisers

Scope for GOLD,
SILVER and BRONZE
Sponsorship Available*

*Contact coordinators
for details*



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