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Please send your entries to:

**Prof. Tapan Kumar Chaki**  
Rubber Technology Centre  
Indian Institute of Technology  
Kharagpur – 721302  
Dist: Midnapore (West)  
West Bengal, INDIA

Phone : 03222 - 283182  
Fax : 03222 - 282292  
E-mail : [tapan@rtc.iitkgp.ernet.in](mailto:tapan@rtc.iitkgp.ernet.in)  
[tapanchaki2009@gmail.com](mailto:tapanchaki2009@gmail.com)



### **About Kharagpur:**

Kharagpur is about 116 kms. away from Kolkata in the south west direction and is joined by train as well as by bus services from Kolkata. The weather is pleasant during October.

### **Draft/Cheque :**

Draft or Cheque should be drawn in favour of "CEP-STC, IIT Kharagpur, a/c" payable at Kharagpur and be sent by registered post /courier to:

Prof. Tapan Kumar Chaki  
Rubber Technology Centre  
Indian Institute of Technology  
Kharagpur – 721302  
Dist: Midnapur (West)  
West Bengal, INDIA

**Phone :** 03222 – 283182/282291

**Fax :** 03222 - 282292

**Gram :** Technology Kharagpur

**E-mail :** [tapan@rtc.iitkgp.ernet.in](mailto:tapan@rtc.iitkgp.ernet.in)  
[tapanchaki2009@gmail.com](mailto:tapanchaki2009@gmail.com)

## **SHORT TERM COURSE**

### **ON TECHNOLOGY UPGRADATION IN RUBBER TECHNOLOGY**



**27-31 OCTOBER, 2014**

**Coordinator:  
Prof. Tapan Kumar Chaki**

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

### **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 defence, 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 behaviour 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, equipments and technologies used in rubber industries. The course will include theory classes followed by practical classes.

### **Topics likely to be covered in the course are:**

- \* New Rubbers and Thermoplastic Elastomers
- \* Raw Materials' Characterization by different techniques
- \* Rubber Compounding and Processing
- \* Compound Analysis by Reverse Engineering
- \* Trends in Rubber Products Manufacturing including Design
- \* Applications of Computers in the Rubber Industry
- \* Total Quality Management
- \* Safety and Environment

### **Lectures:**

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

### **Duration of the Course:**

Duration of the course will be from October 27-31, 2014, which will cover both theory as well as practical classes.

### **Registration:**

**Registration fee of the course for each participant is Rs. 8000/-.** This fee includes registration kit and course material including bound volume of all lectures delivered during the course. The registration form duly filled in and signed by the sponsoring authority should reach the Coordinator by 30 September, 2014. 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 CEP/Technology guest house located in the campus on chargeable basis separately.

### **Eligibility:**

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

### **REGISTRATION FORM**

### **SHORT TERM COURSE ON TECHNOLOGY UPGRADATION IN RUBBER TECHNOLOGY**

Please complete and return to the address overleaf as soon as possible, but not later than September 30, 2014.

1. Name:
2. Academic Qualification:
3. Designation:
4. Mailing Address including e-mail:
5. Name and Address of Sponsoring organization:
6. Details of Registration Fee: Draft/Cheque No. :
7. Signature & Date:
8. Topics from the list suggested, where the participant is most interested:

*Signature of Sponsoring  
Authority*

**SHORT TERM COURSE  
ON  
TECHNOLOGY UPGRADATION  
IN  
RUBBER TECHNOLOGY  
27-31 OCTOBER, 2014**

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 half page advertisement charge will be Rs. 5000/- (Rupees five thousand only). The advertisement will be put in the following format:

**With best compliments  
from**

**(Name of company with address)**

A copy of the book will be sent to the advertiser free of charge. If you are interested in advertising in the book, please draw the crossed cheque/bank drafts in favour of "Rubber 97 Prize Fund" payable at Kharagpur and send to the following address along with the form given overleaf before 30 September, 2014

**Prof. Tapan Kumar Chaki**  
Rubber Technology Centre  
Indian Institute of Technology  
Kharagpur – 721302  
Dist: Midnapur (West)

Name of the company:

Address of the company:

Name & Position  
of the person  
authorizing booking  
of advertisement:

Phone No:

Fax No:

Cheque /Bank Draft No.  
& other details:

Signature