

TEQIP-III Sponsored Course in

Department of Mechanical Engineering
I.I.T. Delhi, New Delhi-110016, India

On

Surface Texturing for Green Technologies

Time: 25th-29th March 2019

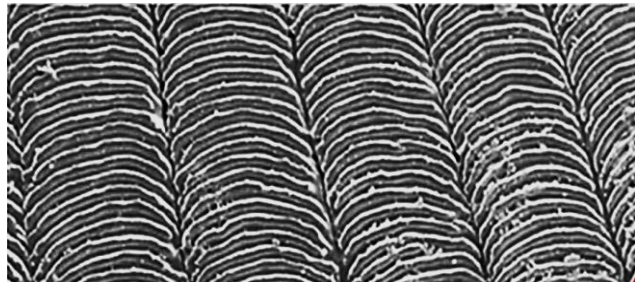
Venue: IIT Delhi Sonapat Campus

Coordinator: Prof. R. K. Pandey

TEQIP-III Sponsored Course

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Surface Texturing for Green Technologies



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Course coordinator
Prof. R. K. Pandey



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Overview

Green technology involves the impact of innovations on the environment. It encompasses the issues pertaining to energy efficiency, cleanliness, sustainable resources, safety and health etc. associated with the products and processes. Due to growing awareness towards the damage due to climate change, presently a lot of thrust is being given on the green innovations employing surfaces textures / structures. It is expected that participants will gain a first-hand awareness on different textured surfaces and their roles in developing the green technologies in terms of saving the energy due to reduction in friction, reducing the heat dissipation, minimising the material loss, reducing the use of chemicals, self-cleaning action, strengthening the structures, developing the light weight structures etc.

Objectives of course

- To highlight the importance of textured surfaces and interfaces in green innovations through theoretical and experimental approaches.
- Simulations of textured surface (stochastic and deterministic) for the desired features in fields of engineering disciplines.
- Demonstration of green concepts/ technologies using textured surfaces/ structures

Pedagogy

Participants will be provided a course kit containing the lecture materials. Lectures and case studies will be presented through audio-visual mode. Please bring your Lap-top loaded with MATLAB and FORTRAN.

Faculty

Experienced faculty from various departments/centres of IIT Delhi along with guest faculty from reputed institutes/universities/industries will deliver the lectures and case studies.

Participants

Faculty and research scholars of institutions/organisations coming under TEQIP-III; Faculty from non-TEQIP institutions; Researchers, R & D professionals and executives from industries. Total participants= 50 [Number of participants from TEQIP-III organisations= 30; Non-TEQIP organisations=20]

Course fee and payments

(i) TEQIP approved institutes

No course fee shall be charged from faculty of TEQIP-III approved colleges, institutes, universities and organisations. However, a security deposit of Rs 2500/= (DD of INR two thousand five hundred only) each participant has to attach with the filled registration form. This DD will be given back in the cases where (1) the candidate is not selected for the course; (b) if the selected candidate joins the course. The amount will be forfeited if the selected candidate does not join the course. Demand draft should be drawn in favour of "IITD CEP ACCOUNT" payable at New Delhi.

(ii) Non-TEQIP institutes and industries

Payment should be done digitally by this category of participants.

- Research scholars: Rs. 3,000 + 18% GST (excluding lodging and boarding charges)
- Faculty : Rs. 10,000 + 18% GST (excluding lodging and boarding charges)
- Industry person : Rs. 20,000 + 18% GST (excluding lodging and boarding charges)

The bank account details are as follows:

Bank name: State Bank of India, I.I.T. Delhi, Hauz Khas, New Delhi-110016
Saving account no: 36819334799
IFSC code: SBIN0001077
MICR code: 110002156
Account holder name: IITD CEP ACCOUNT
PAN No. AAATI0393L

Scanned copy of the filled registration with digital payment receipt has to be sent to the coordinator through email to "rajpandey@mech.iitd.ac.in". The selection will be done on first come first serve basis. Accordingly, the confirmation will be notified to candidates.

Course coordinator

Dr. R. K. Pandey
Professor
Department of Mechanical Engineering
IIT Delhi, New Delhi-110016, India
E-mail: rajpandey@mech.iitd.ac.in
Phone:011-26591277,09871279371

Venue of course

IIT Delhi
I-Tech Campus, Plot No. 4B,
Rajiv Gandhi Education City
Kundli, Sonapat-131028,
Haryana

Registration Form

Name of applicant:

Designation:

Highest qualification:

Date of birth (DD/MM/YYYY):

Gender: Female / Male.....

Institute name with complete address:

.....

.....

E-mail ID of applicant:

Mobile number of applicant:

Do you need accommodation: Yes / NO (Twin sharing basis AC rooms at IIT Delhi's Sonapat campus)

Details of fee paid:

Transaction ID/DD no:

Transaction date:

Issuing bank:

I,....., certify that above information provided by me are correct.

(Signature of applicant with date)

Dr./Prof./Ms/Mr.....is an employee/ a research scholar of my organisation/ institute and is permitted to attend the course on "Surface Texturing for Green Technologies" at Sonapat Campus of IIT Delhi.

Signature of head with date and seal

[Participant needs to carry the institute/organisation valid identity card and Aadhar card both in original and photocopy. Accommodation will be provided to participants on twin sharing basis in AC rooms if indicated above in this form.]

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