Eligible candidates:

MTech/PhD/PostDoc and/ Working graduates with more than 2 year experience, interested to learn and start their composites industry in India.

Registration, Shared accommodation and food:

MTech/PhD/PostDocs: IITKgp: Rs6,500+GST, External: Rs9,500+GST

Professionals (2+ yr experience):

Rs12,500+GST

First 30 candidates will be selected on a 'first-come-first-served-basis.' All travel to reach IITKGP is to be borne by the candidates.

Course Registration & online payment

Candidate should apply **online** through the following procedure by clicking 'how to apply' and 'how to pay' on the Short term course SELF SPONSORED at the link

https://erp.iitkgp.ac.in/CEP/courses.htm

How to reach IIT Kharagpur

The fully green academic campus about 8.5 sqkm is located 2 hr 50 min drive from Dumdum International Airport, Kolkata and 10 min drive from Kharagpur Railway Station.

Course Duration and delivery:

4-day course (cannot be booked for one day). Courses will be delivered by experts from around the world in the field of advanced and automated composites.

Enquiries

Dr Nilanjan Das Chakladar ndaschakladar@mech.iitkgp.ac.in (+913222282926) Prof Surjya K Pal (+913222269862) skpal@mech.iitkgp.ac.in

Short Term Course

20 Aug – 23 Aug 19

Present and Future

COM4 2019

Coordinators:

Dr Nilanjan Das Chakladar Professor Surjya K Pal



DHI Centre of Excellence in Advanced Manufacturing Technology

IIT Kharagpur 5th Floor, CRR Building

e: coeamt@iitkgp.ac.in t: +91-3222-281985

Day 1 (9:30 - 17:30)

- Registration
- What is Composites 4.0?
- Scope of Composite MSMEs in India
- Purpose and foundation of DHI centre
- How DHI centre could help/ collaborate with MSMEs and big industries?

Day 3 (10:00 - 17:30)

- How composites mechanics, design and fabrication are linked?
- Challenges/opportunities of setting up Composites industry in India?
- Composites in Biomedical and Spacecraft applications.

Day 2 (10:00 - 17:00)

- Traditional manufacture of composites and Industry 4.0
- Automation in Robotics Robotic Manufacture
- Advancements of composites in Aerospace Industries.
- Composites in Rail Industries.
- Automotive Composites and their enhancements.

Day 4 (09:30 - 15:45)

- In-situ sensing and prediction of automated composites
- Structural Health monitoring of aerospace composite systems.
- Zero-waste and zero-defect manufacture of composites.
- Interactive session, certificate, souvenir, feedback.

Short Term Course

COMPOSITES 4.0

Present and Future

COM4 2019

In this course, we will deliver the current stand of industrial composites in India and abroad, opportunities of MSMEs under the 'Make-In-India' initiative in Composites, or as we call 'Make-Composites-In-India'. And can we promote composite manufacturing in India as an **Industry 4.0 enabled** technology? We look forward to your support and help in composite growth in India toward automated composite fabrication to lead the World **Composite Exports – a tiny** initiative from IIT Kharagpur, India 721302.

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