SHORT TERM COURSE on Study on 2D and 3D Modeling in the Field of Mechatronics, Robotics and Engineering fields (SFMRE-2016)

ORGANISED BY DEPARTMENT OF MECHANICAL ENGINEERING NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA - 769008, INDIA

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http://www.nitrkl.ac.in/Academic/6ShortTermCourse/Default.aspx

❖ Bank Transaction Details:
The D.D. from any nationalized bank should be drawn in favour of "Continuing Education NIT Rourkela" payable at SBI, NIT Campus Branch, Rourkela, India. (Code-2109)

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INTRODUCTION

Nowadays Auto CAD and 3D Modeling are the essential tools in all Engineering applications. Basic knowledge on these tools is very much required for higher studies in Under Graduate, Post Graduate and Ph. D. level. For Finite Element Analysis knowledge on 2D and 3D modeling is an integral part. Condition Monitoring heavily depends upon field data and robust CAD model and subsequent Numerical and Experimental Analysis. Artificial Intelligence (AI) technique is very much required for predicting the damage in the Dynamic System during condition monitoring. The course intent to deliver Basics on Auto CAD 2D modeling, 3D Modeling, ANSYS Finite Element Analysis and knowledge on various AI Techniques for condition monitoring of Dynamic Systems.

THEMES

The seminar SFMRE-2016 will focus on current AutoCAD 2D modeling, 3D Modeling and Dynamic Analysis of Mechanical Systems for Condition Monitoring including the following themes with 30 hours of lectures and class assignments.

- Auto CAD
- FE Analysis
- ANSYS
- 3D Modeling
- CATIA Modeling
- Matlab Tools
- Condition Monitoring

VENUE

Rourkela is a major hub of industrial activities in Eastern India, with cluster of Steel Industries. The city also hosts the Software Technology Park of India (STPI). Rourkela en routes Calcutta (Howrah) - Mumbai main line of South Eastern railway. The Rourkela railway station and intrastate bus stop are 6 kms and 2 kms from NIT Rourkela respectively. The climate at Rourkela during November will be pleasant with temperature ranging from 22°C to 35°C.

ACCOMMODATION

A limited number of rooms with shared accommodations are available in Halls, North and South Guest House of the institute. The confirmed accommodation for the delegates can be arranged by the organizing committee members either in the institute guest house or in halls on request accompanied with advance charge in the form of D.D as per the GH Charge.

REGISTRATION FEE STRUCTURE

- Industry delegates Rs.1000/- (without accommodation and food)
- Delegates from R&D and Academic Institutions Rs. 800/- (without accommodation and food)
- Bona fide Student/Research Scholar delegates Rs.500/- (without accommodation and food) and Rs. 300/- for NIT Rourkela Students
- Delegates from outside India €200 or US $ 300

Last date of registration 22nd November 2016.

Registration Form for Delegates

Name: ____________________________
Address:
Mobile/Phone: ____________________________
E-mail: ____________________________
Gender: ____________________________
Accommodation Required: Yes [ ] No [ ] (If yes, Institute Guest House [ ] or Hotel [ ]): Details of total amount of registration fee. (Accommodation charges and food to be borne by rest participate)
D.D. No: ____________________________
Amount __________________ Date __________________

Mailing Address
Dr. Dayal R. Parhi
Course Coordinator, SFMRE-2016,
Department of Mechanical Engineering, National Institute of Technology,
PROFORMA

SHORT TERM COURSE

ON

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Date: ____________ Signature