ABOUT THE WORKSHOP

More recently, the ever-increasing use of mobile communications and broadcast media channels has put huge pressure on the available frequency spectrum. Regulatory authorities are going to higher frequency spectrum, squeezing band allocations closer and closer together, relying on increasingly sophisticated EMC design methods, especially in the digital processing arena so as to keep cross-channel interference to acceptable levels. Digital systems are inherently less susceptible than the old analog systems, and also offer far easier ways (such as software) to implement highly sophisticated protection measures. But use of very high switching speed devices has brought in additional constraints in the systems. Many a times a major design constrains in these systems is from EMI and EMC compliance. Similarly in Medical equipment, new technology is being used and the performance has to comply EMI/ EMC norms considering patient's safety. The use of higher clock frequency puts in additional limitations owing to EMI/ EMC issues.

In this workshop, the recent advances in the area of EMI/EMC as well as Microstrip Antenna will be presented.

From time to time the Dept. offers short term training programs on current and emerging topics to working professionals, faculty, student and scientist of R&D organizations. These courses cover important state of the art technologies employed in various telecommunication sector, process industries and defense organizations. These courses include tutorials, hands on sessions and demonstrations. The students of B. Tech. and M. Tech., professionals will be immensely benefited in attending the proposed short term programs. This exposure will provide them excellent employment opportunity as well as carrying out innovative project work which is an essential part of their curricula.

CONTENTS OF THE WORKSHOP

- Introduction to EMI/EMC
- Microstrip Antenna & its applications
- Fractal Antenna
- Metamaterials
- Simulation of Microstrip Antenna using IE3D
- Interaction

REGISTRATION & FEE PARTICULARS

Application in prescribed format and the registration fee in the form of DD drawn in favour of "**Convenor, EMI/EMC"** payable at SBI, NIT Branch Rourkela-8 (Code-2109) must reach on or before **25.01.2009.**

Fees

Employees from Industries/ R&D Organizations	**Rs. 2,000.00**
Faculties from Educational institution	**Rs. 1,000.00**
Students	**Rs. 200.00**

Registration fee includes lodging, boarding and registration kit.

Copies of this form can be made, if necessary. Please send the filled in form to the Convenor on or before **25.01.2009**

The details of the course & the form can also be down loaded from our website, **www.nitrkl.ac.in.**

Address for communication
Prof. S K Behera
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Email: skbehera@nitrkl.ac.in, facultyece@gmail.com

Registration Form

National Workshop on

RECENT ADVANCES IN EMI/EMC

30- 31 January 2009

Registration Form

1. Name: ……..

2. Designation: ……..

3. Organization/Institution: ……..

4. Address: ……..

……

……..

Phone: ……

Fax: ……..

e-mail: ……..

5. Accommodation Required : YES/NO

6. Registration Fee Details

Amount: ……..

DD No. : ……..

Branch: ……..

Place:

Date: Signature of the Applicant

Signature of Sponsoring Authority

(With date & seal)

About the Department

The Electronics and Communication Engg. Dept. offers two B. Tech. programs (i) Electronics and Communication Engg. (ii) Electronics & Instrumentation Engg. Two M. Tech. Programs on (i) Telamatics and Signal Processing (ii) VLSI Design and Embedded System, are also offered by the department. The Dept. offers M. Tech(R) and Ph. D. programs in various specializations such as DSP, Communication Engg., VLSI Design, Soft Computing and Instrumentation Engg. The Dept. has earned name in imparting effective education, research, technology development and training in these areas. The Dept. also collaborates with Industry, Academic and Professional bodies and actively engaged in a number of technology development sponsored projects. The dept. is accredited by NBA for five years. The department is having distinguished faculties from different area of Specializations.

About the Institute

The National Institute Of Technology, Rourkela was founded as Regional Engineering College on 15th August 1961. It is one of the premier national level technical institutions in the country with reputation for excellence at under graduate, post graduate and doctoral levels. The institute boasts of its state-of-the-art academic and research infrastructure. The institute spreads over 262 hectare of lush green picturesque landscape, aims at intellectual growth in a community-friendly ambience.

Rourkela is situated on the Howrah-Mumbai main line and is well connected with Kolkata, Delhi, Chennai and Mumbai as well as with state capitals, Bhubaneswar, Ranchi and Raipur. The location of institute is about 6 kms from Rourkela railway station and 2 kms from sector-2 bus stand.

AICTE Sponsored National Workshop on Recent Advances in Electromagnetic Interference/ Electromagnetic Compatibility (EMI/EMC)

30th Jan-31st Jan 2009

Convenor
Prof. Santanu Kumar Behera

Co- Convenor
Prof. Sarat Kumar Patra

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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