

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 patients safety. The use of higher clock frequency puts in additional limitations owing to EMI/ EMC issues.

In this workshop, the issues related to EMC design, EMI Testing, EMI/EMC problems in Industries and their solution etc will be discussed. The recent advances in the area of EMI/EMC will also be presented.

CONTENTS OF THE WORKSHOP

- I. Introduction to EMI/EMC
- II. Mitigation techniques
 - Shielding
 - Grounding
 - Bonding
- III. PCB design
- IV. EMC measurement methods
- V. EMI/EMC Problems in industries & their solution
- VI. Interaction

REGISTRATION & FEE PARTICULARS

Application in prescribed format and the registration fee in the form of DD drawn in favour of “**Continuing Education, NIT Rourkela**” payable at SBI, NIT Branch Rourkela-8 (Code-2109) must reach the Convener on or before **05.09.2008**.

Fees

Employees from Industry from R&D Organizations	Rs 4,000.00
Faculties from Educational Institution	Rs 2,000.00
Students	Rs 1,000.00

Registration fee includes boarding, lodging & Workshop material. Travel expenses shall be borne by the participants.

National Workshop on RECENT ADVANCES IN EMI/EMC 19 -20 September 2008 Registration Form

1. Name :

2. Designation :

3. Organization/Institution :

4. Address :

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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)

Copies of this form can be made, if necessary. Please send the filled in form to the Convener on or before **05.09.2008**.

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

CORRESPONDENCE

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Department of Electronics & Communication Engineering

The Department of Electronics & Communication Engineering aims at producing qualified and dynamic engineers in the fast changing areas of Electronics, Instrumentation and Communication Engineering. The department offers two undergraduate courses (a) Electronics and Communication Engineering and (b) Electronics and Instrumentation Engineering. These courses have gained paramount importance and have proved to be indispensable to industrial establishments.

The department has sophisticated and modern laboratory equipment and has been undertaking several research and development projects in the areas of Digital Signal processing, Neural Networks, Soft Computing, Biological inspired signal processing, Communication Engg and Intelligent Instrumentation. The Department has a faculty trained from reputed institutes in India and abroad and boasts of having internationally reputed teachers in the area of specialization. The student placement track record has been excellent with many of them placed in reputed organizations. The department also offers M tech courses with specialization in (a) Telematics and Signal Processing and (b) VLSI and Embedded systems.

National Workshop

On

RECENT ADVANCES IN ELECTROMAGNETIC INTERFERENCE/ ELECTROMAGNETIC COMPATIBILITY

19th -20th September 2008

Convener

Dr. Santanu Kumar Behera

Co-Convener

Prof. Sarat Kumar Patra



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