

About the IEEE

The Institute of Electrical and Electronics Engineers Inc. (IEEE), a nonprofit organization, is the world's leading professional association for the advancement of technology.

Through its global membership, the IEEE is a leading authority on areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics among others. The IEEE has more than 365,000 members, including 68,000 students, in over 150 countries. It publishes 128 transactions, journals and magazines and organizes more than 300 conferences worldwide each year.

To foster an interest in the engineering profession, the IEEE also serves student members in colleges and universities around the world.

IEEE Madras Section came into existence in 1978 and has crossed its silver jubilee year. It is organizing Technical Meets, Conferences and Seminars of highest standard for the benefit of its members. The section today has the highest number of student branches among the sections in the world. The section is concerned about the welfare of the students in this part of the country and wants to improve the teaching learning process in the Engineering Colleges and Universities. With this in mind, the section is organizing **Faculty Development Programme (FDP)** for the teaching faculty members of engineering Colleges and Universities in Tamil Nadu.

Faculty Development Programme:

Teaching-learning is an important process in academic institutions. Transfer of knowledge takes place from the teacher to the students only when the teaching is effective. The young teachers need orientation and training in effective teaching. As a service to the teaching community in the engineering institutions, IEEE

Madras Section is organizing **Faculty Development Programme (FDP)** on the topics listed overleaf. The instructors for this programme are from the Tenet Group, Department of Electrical Engineering, IIT Madras.

Sponsorship:

This course is sponsored jointly by IEEE Madras Section and Intel Inc.

Schedule:

The course on "Wireless Digital Communication -- Theory and practice" is proposed to be held from 5th to 10th May 2008. The 6-day course includes 12 hours of class room teaching and 30 hours of hands-on experiments.

Participants:

The FDP is aimed at faculty members of engineering colleges in Tamil Nadu. Specifically, the course is meant for faculty who have taught courses such as Communication, Digital Communication, Probability and Random Processes for at least two years and have more than an ordinary interest in the field of digital wireless communication.

Course Fee:

The course fee is Rs.1000/- for IEEE members and for non-members the course fee is Rs.2500/-. Non-members will be refunded Rs.1500/- if they become member within one year. The number of seats is limited and the participants will be chosen on a first-come-first-served basis provided they satisfy the criterion of having taught a course in related area. The fee includes course material and lunch. Accommodation and transport will be the responsibility of the participants. Accommodation may be provided in Student hostel/ Institute guest house (on payment basis) subject to availability. Specific request has to be made in advance to the IEEE office.

Details of the Course

**Title : Wireless Digital Communication
- Theory and practice**

About the course:

The course will deal with a number of topics in wireless digital communication such as modulation, synchronization, equalization, TDM/TDMA, CDMA and OFDM. The experimental kit, designed jointly by IITM and Benchmark Systems, includes high-speed transmitters and receivers allowing the participants to transmit and receive bit-rates of interest in today's communication.

About the course instructors:

Prof. Bhaskar Ramamurthi, David Koilpillai, Devendra Jalihal. K. Giridhar and Srikrishna Bhashyam of Electrical Engineering Department, IIT Madras will be the main instructors. A number of graduate students of IITM will assist the participants in conducting the experiments.



REGISTRATION FORM

Name :

IEEE Membership No.
(if applicable) :

Name of the
Institution :

Contact Address :

Email :

Tel. / Cell No. :

Details of
Demand Draft

DD. No. :
Drawee Bank :

Note: The Bank DD shall be drawn in favour of
IEEE Madras Section, payable at Chennai.

I certify that I have taught one or more courses on (1)
Communication/Probability and Random
Processes/Digital Communication.

Signature of applicant

Signature of the Head of Institution

Complete Registration form along with
demand draft to be sent to

IEEE Madras Section
Room No. 3, ISTE Professional Centre
Gandhi Mandapam Road, Madras 600 025

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IEEE MADRAS SECTION ORGANISES



Course Title:

Wireless Digital Communication
Theory and practice

Date:

5th to 10th May 2008

Venue:

Department of Electrical Engineering
IIT Madras, Chennai - 36

Contact Address

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