

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. IEEE offers a wide range of learning, career enhancement, and employment opportunities within the engineering sciences, research and other technology areas

The goal of these programs is to ensure the growth of skill and knowledge among professionals and to foster individual commitment to continuing education among IEEE members, the engineering and scientific community and the general public. IEEE provides various university and corporate partner programs, online learning resources and certificate programs through its continuing education offerings for students and professionals. These continuing education offerings also provide access to technical courses at conferences and section meetings, society education programs and various print materials.

The IEEE has more than 377,000 members in 160 countries. The IEEE publishes more than 1,000 leading-edge conference proceedings every year, which are recognized by academia and industry worldwide as the most vital collection of consolidated published papers in electrical engineering, computer science and related fields. Student branches provide an opportunity for student members to begin networking in their areas of interest and future profession. There are nearly 2,000 student branches in 80 countries at various educational institutions.

IEEE Madras Section

IEEE Madras Section came into existence in 1973 and has crossed its silver jubilee year. IEEE Madras Section has an active membership of 2085 life/senior members/ members. The student membership is around 6554. The IEEE Madras Section conducts technical lectures by eminent personalities from several fields, symposiums and conferences.

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 Tamilnadu.

About the 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 in association with Department of Electrical and Electronics Engineering, Anna University of Technology, Madurai is organizing Faculty Development Programme (FDP) on the topic of Wavelet and its Applications. This two day FDP will be an excellent opportunity to listen to the experts in this field and also to discuss basics and advanced topics with hands-on training using MATLAB and will explore new directions in the fields of signal / image processing and wavelet analysis issues. Further this Programme aims to share the knowledge of all researchers, scientists, engineers and policy makers in this area.

Course Contents

- **Introduction to Wavelet:**

Fundamentals of linear algebra and vector spaces, Wavelet theory, Time frequency representation, Multi-resolution Analysis and implement issues of wavelet realization

- **Application of Wavelets to:**

1. Image Compression
2. Denoising
3. Image Segmentation
4. Statistical clustering
5. Feature extraction

- **Hands-on training in Wavelet Toolbox**

Participants

The FDP is aimed to faculty members of Engineering Colleges and Technical Universities in Tamilnadu. The

objective of the course is to impart the ability to communicate better with students.

Course Fee

There is course fee of Rs.500/- for IEEE members and for non- members Rs.1000/-. The fee includes course kit and lunch. The number of seat is limited and the participant will be chosen on a first-come-first-serve basis.

Accommodation

Boarding and lodging will be provided in the Institute Guest houses/Hostels on chargeable basis on request.

Schedule

The course on "Wavelets and its Applications" is proposed to be held on November 4th and 5th 2011. The program will be for two days with 4 sessions theory, each of maximum one and half hour and 4 sessions hands on training, each of maximum one and half hours.

Important Dates

Last Date for Registration: 31.10.2011

Date of Intimation of Selection: 01.11.2011
(Intimation through E-mail)

Resource Persons

Dr. N. Malmurugan

Director Research,
Mahendra Engineering College,
Tiruchengode, Namakkal Dist.

Dr. P. Venkatakrisnan

Assistant Professor,
Department of Information Technology,
Thiagarajar College of Engineering, Madurai 625 015.

How to reach the AUT, Madurai?

Anna University of Technology is situated in Alagar Koil Road in Madurai. The nearest railway station is Madurai. A lot of buses and autos are available to reach Anna University of Technology from Madurai. Buses are available from Periyar bus terminus to reach the University.



REGISTRATION FORM

Name :
Designation :
Organization :
Contact Address :
Email :
Tel. / Cell No. :
Reg. Category :
IEEE Member : Yes / No
(If yes enclose photocopy of membership card)
Reg. Fee :
DD No. :
Date :
Bank :
Accommodation : Yes / No

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

Date: **Signature of the 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, Chennai - 600 025

Contact Details for Course

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IEEE MADRAS SECTION

FACULTY DEVELOPMENT PROGRAMME



Course Title:

**WAVELETS AND ITS
APPLICATIONS**

Date

04th & 05th November 2011

Co-ordinators

**Dr. N. Kumarappan
Mrs. M. Bhavani
Mr. R. M. Sasiraja**

Venue:

**ANNA UNIVERSITY OF
TECHNOLOGY, MADURAI**

Organized by

IEEE MADRAS SECTION
Room No. 3, ISTE Professional Centre
Gandhi Mandapam Road, Chennai- 600 025
&

**ANNA UNIVERSITY OF
TECHNOLOGY**

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