

AICTE SPONSORED

National Seminar

on

**INTELLIGENT SYSTEM APPLICATIONS TO FUTURE
CHALLENGES IN
POWER ENGINEERING
(ISAPE)**



09-11 September 2009

Coordinators

**Dr.M.Sudhakaran
Dr.P.Ajay-D-Vimal Raj**



**Organized by
Department of EEE
PONDICHERRY ENGINEERING COLLEGE
Puducherry – 605014
India**

INTRODUCTION

The National Seminar with its theme, "Innovating new technologies to transform the future," will provide a national forum for the dissemination of information and experience on all aspects of high technology and advances in the power engineering field, emphasizing the application and utility of intelligent techniques to power systems planning, operation and restructuring activities. The National Seminar envisages to address the research challenges in power engineering, encompassing important issues such as wide area system disturbances and monitoring, remedial actions and restoration, advanced power system measurements, operations and planning in competitive environment with renewable energy and distributed resources. The course is intended to provide an exposure to the participants on the recent trends, developments and challenges in the field. The seminar would offer valuable information to teachers from engineering colleges, engineers from power utilities and research organizations. The topics of interest are broadly categorized into, but not limited to the following topics.

CONTENTS

Intelligent techniques such as Genetic Algorithm (GA), Particle Swarm Optimization (PSO), Evolutionary Programming and Neural networks applied to

- Power Systems Operational Challenges and Performance Requirements
- Optimization Techniques
- Power System Operation, Stability, Security, Quality and Economic Issues
- Distribution System Reforms
- Deregulation and Restructuring of Power System
- Energy Management / Energy Audit

COMMITTEE

Patrons

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Dr.P.AJAY- D- VIMAL RAJ, Dept. of EEE, P.E.C.

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ABOUT PUDUCHERRY

The history of Puducherry goes back to the Roman Times, but factually started with the arrival of the French in 1693. The town was built to its present form, during the two and a half centuries of French colonial rule. Heritage is one of the most precious gifts Puducherry offers to its tourists and visitors. The coastal town of Puducherry with a French ambience is known for its serene atmosphere. Legend associates ancient Puducherry with the great Hindu sage Agastya. Sri Aurobindo Ashram and the nearby Auroville International Township lend a unique spiritual flavour to the city. The small enchanting town is a fine blend of spiritual aura, French colonial heritage, Tamil culture and cosmopolitan outlook of many nationalities.

ABOUT PEC

The Pondicherry Engineering College is an institution promoted and fully funded by the Government of Puducherry. The college was started in the academic year 1985-86 under the seventh plan. The college has the best-of -breed infrastructure and to provide quality Engineering Education with autonomy in the matters of administration. Ever since its inception, the college has been growing phenomenally and currently offers eight undergraduate and eleven post graduate courses and Ph.D. programmes in the major disciplines of Engineering and Technology. All the UG courses are accredited by the National Board of Accreditation (NBA) of AICTE

EEE DEPARTMENT

The EEE Department was started in the year 1993. The department offers a B.Tech course in EEE, M.Tech course in Electrical Drives & Control and research programmes leading to Ph.D. Degree. The department has a team of highly qualified, dedicated and motivated faculty with well equipped laboratories for advanced study and research. The department has executed a number of research projects.

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**National Seminar
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**Intelligent System Applications to Future Challenges in
Power Engineering**

09-11 September 2009

**PONDICHERRY ENGINEERING COLLEGE
Department of EEE**

(Please use CAPITAL LETTERS)

REGISTRATION FORM

1. Name:.....

2.a) Date of Birth..... b) Sex: M / F

3.Designation:.....

4. Institution/Organization:.....

5. Address for Communication:

.....

Pin Code.....

Phone:(STD code)Mobile.....

E-mail:.....

6. Highest Qualification.....

7. Specialization.....

8. Years of Experience

Teaching

Industry

9. Area of Work/ Interest.....

10. Whether accommodation needed: Yes/ No

11. DD No./ date

DECLARATION

The information furnished in the application form is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the National Seminar for the entire duration. I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the course. On provisional selection. I will send the confirmation letter for participation, by speed post so as to reach on or before 25-08-09.

Place:

Signature of the applicant

Date:

SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Ms

..... is an employee of our institute and is hereby sponsored for the National Seminar on Intelligent System Applications to Future Challenges in Power Engineering at Pondicherry Engineering College, Puducherry during the period 09-11 September 2009. He/she will be permitted to attend the course, if selected.

Place

Signature of the Sponsoring

Date:

Authority (with Seal)

ADDRESS FOR CORRESPONDENCE

Dr.M.SUDHAKARAN

Assistant Professor

Coordinator,

National Seminar on ISAPE

EEE Department

Pondicherry Engineering College,

Pillaichavady, Puducherry – 605 014.

Phone: 0413- 2655281 Extn: 502 (office)

Mobile: 09994071997, 09486142839

E-mail: isape_eee@pec.edu

Visit us: www.pec.edu

RESOURCE PERSONS

The faculty for the course will be from Pondicherry Engineering College, Pondicherry and other reputed Academic Institutions and Industries.

ELIGIBILITY

The candidates must be graduates in Electrical Engineering working either as teachers in AICTE approved institutions or in Power utilities / Industries/ Research organizations.

REGISTRATION FEE

- Teachers in AICTE approved institutions can apply and participate in the programme with a registration fee of Rs.300/- which will be refunded at the end of the programme.
- For participants from Industry, the registration fee is Rs.5,000/-.

HOW TO APPLY

Application in the prescribed format attached herewith or its photocopy duly recommended/sponsored by the Head of the Institution/ Organization along with the registration fee (as DD drawn in favour of The Coordinator, ISAPE, payable at CANARA BANK, Pondicherry, should reach the coordinator on or before 15-08-2009. On receipt of the intimation of the provisional selection, the candidates are required to send the confirmation letter of participation to the coordinator, so that the list of participants can be finalized.

FINANCIAL ASSISTANCE

The participants from AICTE approved institutions, who attend the National Seminar in full, will be paid to and fro sleeper class railway/bus fare by the shortest route. Also they will be provided with free boarding and lodging facilities within PEC campus on a first come first serve basis.

IMPORTANT DATES

Last Date for Receipt of Applications: 15-08-2009

Intimation of Provisional Selection: 18-08-2009

Last Date to Confirm Participation: 25-08-2009