Call for Participation

A Two-Day Short term Course
On
FUZZY SYSTEMS AND NEURAL NETWORKS IN POWER SYSTEM OPTIMIZATION
(FSNNPSO-2014)
4th-5th April, 2014
Under TEQIP Phase-II

Organizing committee

Chief Patron:
Prof. G. S. N. Raju,
Hon’ble Vice Chancellor
Andhra University
Visakhapatnam

Patron:
Prof. Ch. V. Ramachandra Murthy,
Principal,
A.U. College of Engineering (A)

Chairman:
Dr. V. Bapi Raju,
Professor & Head of the Department
Elect. Engg., AUCE(A)

Convener:
Dr. K. Vaisakh,
Professor & Chairman, BOS
Elect. Engg., AUCE(A)

Advisory Committee:
Prof. G.V. Siva Krishna Rao
Prof. K. Rama Sudha
Prof. P. Mallikarjuna Rao
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Address for Correspondence:
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REGISTRATION FORM

A Two-Day Short term Course
On
FUZZY SYSTEMS AND NEURAL NETWORKS IN POWER SYSTEM OPTIMIZATION
(FSNNPSO-2014)
4th-5th April, 2014

1. Name: ____________________________

2. Designation: ____________________________

3. Department: ____________________________

4. Institutional Address:
________________________________________________________________
________________________________________________________________

5. E-mail: ____________________________(for intimation of acceptance):

6. Mobile No: ____________________________

7. Details of Fee:

Amount: ____________________________
(Rupees ____________________________)

DD. No. _________ and date: _________

I declare that the details furnished above are correct to the best of my knowledge and belief. I also undertake to abide by the rules and other conditions prescribed during this short-term course at A. U. College of Engineering, Visakhapatnam.

Place : ____________________________
Date : ____________________________

signature
ABOUT THE ORGANISATION:
Andhra University was constituted in the year 1926. The 86-year-old institution is fortunate to have Sir C.R. Reddy as its founder Vice-Chancellor, as the steps taken by this visionary proved to be fruitful in the long run. Former President of India Dr. Sarvepalli Radhakrishnan was one of its Vice-Chancellors who succeed Dr. C. R. Reddy in 1931. The leaders of the university always believed that excellence in higher education is the best investment for the country and engaged the services of famous educationists to mention a few who set high standards for teaching and research. Keeping in pace with the global needs and challenges under the leadership and guidance of successive Vice-chancellors, the University is offering several new Courses of relevance and Contemporary significance. Andhra University has established an international image in academic excellence with the accreditation by NAAC with ‘A’ grade in April 2002 and is general University in the country to get ISO 9001: 2008 Certification in 2009. The University has five constituent colleges and four AU Campuses. Presently it is among the top universities in India for engineering. Over the years, the Andhra University College of Engineering grew from strength to strength and at present it has 15 Departments offering Undergraduate, Postgraduate and Research Programmes.

ABOUT THE DEPARTMENT:
The Department of Electrical Engineering was started in 1955 as one of the three constituents of the Department of Engineering in Andhra University and grown to the status of full Department in 1969. Over the years, the department has progressed at a rapid pace with development in both the spheres of infrastructure facilities and academic programmes. The Department offers Under Graduate in Electrical Engineering and Post Graduate programmes in Power Systems, Control Systems and Power Electronics Drives and Controls as evening course. The Department also offers Ph.D programme to promote basic research activities in the various areas of Electrical Engineering. The consultancy service is also rendered by the department. The Department has well established conventional laboratories like Electrical Machines, Networks, Measurements, Power Electronics, Microprocessor, Control system and Digital Electronics. The Department has highly qualified faculty members engaged in teaching and research with the aim of achieving excellence in the field of Electrical.

OBJECTIVE AND COURSE CONTENTS:
The proposed programme is organized with an aim to discuss the implementation aspects of ‘Fuzzy systems and neural networks in power system optimization’ to train the teachers of engineering colleges who wish to build their career in the field of power system optimization. It is expected that the experience gained by the participants through the course help them to a direct hands-on experience on application of fuzzy systems and neural networks in power system optimization.

TOPICS FOR DISCUSSION INCLUDE:
- Application Of Fuzzy Set Theory for Power System Optimization
- Application of Fuzzy Set Theory for Voltage Stability and Congestion Optimization
- Hands on Session with MATLAB on Fuzzy Optimization
- Application of Feed Forward Back Propagation NN for Power System Optimization
- Application of Radial basis NN for Power System Optimization
- Hands on Session with MATLAB on NN Optimization

WHO MAY BENEFIT:
Working professionals, teachers, academicians and students working in the area of power systems are expected to benefit from this course.

RESOURCE PERSONS:
The faculty obtained their PhD from reputed institutions like IISc and IIT will deliver the lectures in this short-term course.

LECTURE NOTES:
To fully realize the objectives of the course, the lecture notes/slides will be made available to the participants. In addition, simulation example files and documentation files, used during the course will be made available to the participants.

PARTICIPATION FEE:
- Industries and Govt. Organizations : Rs 3000/-
- Academic Institutes : Rs 2500/-
- Faculty : Rs 2000/-

Note:
- This course is planned to those participants who are really interested in learning FS and NNs in power system optimization
- Participants should be there in lecture hall 5 minutes before starting of any session
- Attendance in each and every session is compulsory else participation will be cancelled
- Participants are advised to bring their own laptop for hands on experience
- Prior experience with MATLAB coding/simulation is required in the hands-on sessions of the course.

HOW TO APPLY:
Application in the attached form along with the DD drawn in the favour of “convener, FSSNPSO-2014” payable at Visakhapatnam, AP.

IMPORTANT DATES:
- Last date for receiving registration form: 29th March 2014 (Early registration is encouraged)
- Intimation of Confirmation: Immediately after receiving the application (by email).