

**INTERNATIONAL
WORKSHOP
ON
RECENT DEVELOPMENTS IN
NEURAL NETWORKS**

3rd - 5th October 2012

Convener

Dr. V. Vaidehi,
Professor and Head
Department of Information Technology

Coordinators

Mrs. D. Sangeetha
Mr. P. M. Ashok Kumar



Organized by

Department of Information Technology,
MIT Campus, Chromepet,
Anna University, Chennai - 600044
&
Centre for International Affairs,
Anna University, Chennai - 600025

Objective

This workshop is intended to provide opportunity to Faculty members, Research scholars, Industry participants and the Students to enrich their knowledge in the area of recent development in Neural Networks and applications.

About the workshop

Artificial Neural Network became a formal Computer Science area of study in the early 1990's. It plays a major role in solving complex real world application scenarios. Artificial Neural Networks have been developed as generalization of mathematical models of biological nervous systems. Neural networks are employed to solve problems of pattern recognition, non linear regression, optimization, etc. in the field of Signal Image processing and communication systems. The workshop is designed to introduce applications of neural architectures in a large range of problems in the area of Signal and Image Processing and to allow exchange of information among researchers and system designers in advanced topics such as RBF, Complex Valued, Sequential/Online, Extreme Learning etc.

Speakers

1. Prof. N. Sundararajan (Retd), School of Electrical and Electronics Engineering, Nanyang Technological University, Singapore.
2. Dr. Sundaram Suresh, Associate Professor School of Computer Engineering, Nanyang Technological University, Singapore.

Target Audience

The workshop is designed to appeal to a wide variety of participants and include: Industry Delegates, Academic Faculty, Researcher Scholars, and UG/PG students aspiring to join in the IT World.

About Anna University Chennai

Anna University was established on 4th September, 1978 as a unitary type of University. Its constituent colleges are College of Engineering Guindy, Madras Institute of Technology, Alagappa College of Technology and the School of Architecture and Planning. It offers higher education in Engineering, Technology and allied Sciences that are relevant to the present needs of the society. Anna University successfully launched university micro-satellite 'ANUSAT' sponsored by ISRO which was functional for three year period (2009 – 2012).

About Madras Institute of Technology (MIT)

Madras Institute of Technology is a pioneer institute, established by the great visionary and industrialist Shri C.Rajam on 18th July, 1949. The education in this institute is application oriented, thereby helping the students make a smooth transition from college to the industrial world. MIT campus of Anna University offers higher education with the objective of devising and implementing programs of education in engineering and technology, constituting a blend of the conventional and unconventional career courses in UG, PG & Ph.D levels that are relevant to the current and projected need of society. This is reflected in the profile of the vast number of MIT alumni occupying key positions in various MNCs and Research Organizations all across the globe. Shri Dr. A.P.J. Abdul Kalam, our formal President of India is an illustrious alumnus of MIT.

About the Centre for International Affairs (CIA)

Centre for International Affairs (CIA) is responsible for admission of students under Foreign Nationals (FN), Non-Resident Indians (NRI), and People of Indian Origin (PIO) and Children of Indian Workers in Gulf Countries and for Undergraduate Degree (B.E/B.Tech/B.Arch) and Postgraduate degree (M.E/M.Tech/MBA/MCA/M.Sc/M.Plan) programmes. It organizes International Seminar Series periodically with experts from foreign Universities as resource persons on specific topics of Applied Sciences, Technology and Engineering. The Centre also conducts foreign languages such as German, French and Japanese for faculty member and students.

About the Information Technology Department

The Department of Information Technology was established in the year 2000 with the objective of imparting knowledge towards cutting-edge technologies in Information Technology and Computer Science. The computational needs of the researchers and engineers are met through well equipped laboratories. The resources in the department are continually updated with the changing industrial trends. The department has well equipped laboratories with facilities that are vital to train the students in state-of-art software and hardware. IT department has received funding from (i) DST - FIST scheme for setting up Sensor Network and Cloud Computing lab, (ii) DST - NRDMS for the project "Complex Event Processing in Sensor Networks", (iii) UGC - DRS - SAP research grant for Pervasive Computing, (iv) UGC major research grant for the project "Video streaming in 3G wireless networks for Telemedicine Application". This department organizes several workshops, conferences (ICRTIT) and Faculty Development Programs for the benefit of the society.

Topics to be covered

- Review on Neural Network,
- Extreme Learning Machine (ELM),
- Review on sequential learning algorithms MRAN/EMRAN/GAP,
- Meta Cognitive Neural Networks,
- Fast Learning cognition Neural Networks,
- Complex valued Neural Networks,
- Hands on session with MATLAB coding,
- Applications of Neural Networks.

Programme Fee

Industry Delegates	: Rs. 3500/-
Academicians	: Rs. 2000/-
Research Scholars	: Rs. 1500/-
U.G. /P.G. Students	: Rs. 1000/-

Important Dates

Last date of registration (mail) : 15th September, 2012
Receipt of application with DD : 18th September, 2012
Intimation regarding selection : 25th September, 2012
Registration

Registration will be done on "FIRST COME FIRST SERVED" basis. As seats are limited, early registration is recommended. Interested aspirants shall send the filled in registration form and the DD in favour of "**The Director, CPDE, Anna University – Chennai**" payable at Chennai. Lunch will be provided at the workshop. Accommodation should be arranged by the participants only. Please mail your registration form with the payment immediately to:

The Co-ordinator,
Department of Information Technology,
MIT Campus, Anna University,
Chromepet, Chennai-600 044.

For registration related information, please contact
Phone No. : 044 2251-6020
Email id : annamitdoit@yahoo.in

Note:

In case of UG/PG Students, kindly bring the bonafide certificate from your institution.

Sponsorship Certificate

Mr. / Ms. / Dr. _____ is the employee of our institute / Organization and is hereby sponsored for the above workshop. He / she will be permitted to attend the course, if selected.

Date:

Place:

Seal:

Signature of the sponsoring Authority

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3rd - 5th October 2012

APPLICATION FORM

Name : _____
Designation : _____
Department/
Organization : _____
Address : _____

Phone : _____
E-mail : _____

Registration Category & Fee

- | | |
|---|--------------|
| <input type="checkbox"/> Industry Delegates | : Rs. 3500/- |
| <input type="checkbox"/> Academicians | : Rs. 2000/- |
| <input type="checkbox"/> Research Scholars | : Rs. 1500/- |
| <input type="checkbox"/> P.G. Students | : Rs. 1000/- |
| <input type="checkbox"/> U.G. Students | : Rs. 1000/- |

Demand Draft No. : _____
Dated : _____
Bank & Branch : _____

Declaration

The information given is true to the best of my knowledge. I agree to abide by the rules and regulations governing the workshop. If selected, I shall attend the workshop for the entire duration.

Date:

Place:

Signature of the applicant