

## ABOUT PEC-PUDUCHERRY

Pondicherry Engineering College is an Institution promoted and fully funded by the Government of Puducherry. The College was started in 1984 under the VII Five Year Plan. It is an autonomous Institution for the purposes of administration, staff recruitment and College development and is managed by a Board of Governors. The College is affiliated to Pondicherry University, Puducherry, for the academic purposes. The College has been growing from strength to strength since its inception.

Department of Electronics and Instrumentation Engineering was started in 1998 and has been producing resourceful engineers for the past ten years. The department has establishment and modernized laboratories. The department has been blessed with well-experienced and highly-motivated faculty members. Applied research in emerging areas forms the major strength of the department. The department primarily focuses on areas like microprocessors, micro-controllers, Telecommunication, Robotics, Biomedical, Digital signal processing, transducers and measurement, Control in Process applications, virtual instrumentation etc.

## ABOUT ACDOS

Automatic Control & Dynamic Optimization Society (ACDOS) was established in 2011 by national and international member from industry, govt. organisations and academia. The objective is to promote automatic control and dynamic optimization discipline in academia and industry across India. For details please visit <https://acdoss.org/>

## PROGRAM DATE & VENUE

This symposium will be conducted in the **College Auditorium** of Pondicherry Engineering College.

The dates of the workshop are 21<sup>st</sup> and 22<sup>nd</sup> of October 2016.

## EXPECTED PARTICIPANTS

Researcher from industries, academia and government research organizations who work in the broad area of systems and system identification can get benefited with the nature of the talks. Lectures are designed for researcher working in Systems, Control and Identification.

Researchers work in the field of control and optimization are welcome to get inputs from industry and research organization about the application and challenges in identification. Advances in identification will form a key such that researcher working in identification will also get benefited.

## ORGANIZING COMMITTEE

**Prof. Ramesh Babu**, PEC-Puducherry.

**Dr. Shaikh Faruque Ali**, IIT-Madras.

**Prof. Ananda Natarajan**, PEC-Puducherry.

**Dr. Jayesh Barve**, GE-Bangalore.

## A two-day workshop on **Advances in System Identification**

21<sup>st</sup> – 22<sup>nd</sup> October 2016

Jointly organized by



**Automatic Control and Dynamical  
Optimization Society  
Bangalore, India**



**Department of Electronics and  
Instrumentation Engineering  
Pondicherry Engineering College  
Puducherry – 605 014**

## MOTIVATION & THEMES

Obtaining systematic information from observations is a key aspect for efficient performance of many industrial work. Identification of the state of the critical parameters of a plant is as crucial as controlling it. As the obtained information leads to the formulation of a model of the system under consideration. Such a model is some form of pattern that explains the observations made and allows for predictions of future system responses to be made.

The workshop will bring industry and academia together. Participant will be able to find the link between industry and academia through system identification. Given the enormous diversity of application of system identification following special topics are selected for the participant such that everyone receives an overview if applications of system identification.

This workshop brings in together national research organizations, industry and academia to bring forward their challenges and breakthroughs

## TOPICS

A few representative topics are given below

- System Identification in process applications
- Challenges in identification of bio-medical systems
- Industrial system identification
- Flight vehicle system identification
- Identification of parameters of city transport system

## INVITED SPEAKERS

Lectures will be given by the eminent experienced personalities from DRDO, NAL, GE and academicians from IITs/IISc.

## REGISTRATION

Cheque/ DD should be drawn in favour of **ACDOS, Bangalore.**

| Type     | Member   | Non Member |
|----------|----------|------------|
| Students | 500 INR  | 500 INR    |
| Academic | 1500 INR | 2000 INR   |
| Others   | 2000 INR | 2500 INR   |

Major Sponsor: **TEQIP, PEC.**

**Accommodation:** Paid accommodation will be arranged on first come first serve basis in nearby hotels. Please visit [www.eiecouncil.com](http://www.eiecouncil.com) or contact Prof. P. Ramesh Babu for details on rates and hotels. Transport will be arranged for the participants to and from these hotels only.

## CONTACT

### Prof. P. Ramesh Babu

Professor and Head  
Electronics and Instrumentation Engineering,  
Pondicherry Engineering College, Puducherry  
Puduchery-605 014.

Tel.: (0413) 2655281 Extn: 551;

Mb.: 8903067588

Email: [prameshbabu@pec.edu](mailto:prameshbabu@pec.edu)

## Registration Form

(Deadline 10 October 2016)

On

## Workshop on Advances in System Identification

21<sup>st</sup> - 22<sup>nd</sup> October 2016

Duly filled registration form should be sent to the coordinator so as to reach on or before 10<sup>th</sup> October 2016. (for additional copies, please photocopy this form)

## REGISTRATION FORM

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Email: \_\_\_\_\_

Mobile: \_\_\_\_\_

Experience: \_\_\_\_\_

Contact No: \_\_\_\_\_

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Date \_\_\_\_\_ signature of applicant