

National Workshop on CHALLENGES IN CONTROL ENGINEERING

8th to 10th January 2009

(Partly sponsored by TEQIP and UKIERI)

Chairman
A. Ramakalyan

Conveners
K. Srinivasan & N. Sivakumaran



Department of Instrumentation and Control Engg
National Institute of Technology, Tiruchirappalli – 620 015

Course Objectives

This workshop is intended to provide a comprehensive exposure to research scholars, young faculty members, and working scientists/engineers to emerging & challenging research issues in Control Engineering. The workshop will be a venue for the researchers to interact and discuss several thrust areas of the field. Emphasis will be laid on the presentation of current problems in theoretical issues such as model-free design of controllers, and critical application domains such as Nuclear Reactors and UAVs. In addition, this workshop intends to build up necessary background for some of the advanced topics so that the participants can take up these topics independently. The participants are expected to have fairly good knowledge in the basic control theory – classical and state-space methods.

Course Contents

The workshop has seventeen lectures and two contributed presentation sessions in the areas of

Fixed order Controllers
Robust Control of UAV flight
Flight Control
Team Theory
Dynamic Inversion and Neuro-Adaptive Design
Nonlinear Sliding Mode Control
Discrete Event Systems
Process Control
Randomized Algorithms
Smart Structures

List of Speakers

Prof. S.P.Bhattacharyya, Texas A & M Univ., USA
Prof. M.S.Bhat, IISc., Bangalore
Prof. D.Ghose, IISc., Bangalore
Prof. R.Padhi, IISc., Bangalore
Prof. B.Bandyopadhyay, IIT, Bombay
Prof. S.Mukhopadhyay, IIT, Kharagpur
Prof. M.Chidambaram, IIT Madras/NITT
Prof. M. Umapathy, NITT
Prof. R.Ayyagari, NITT
Dr. Girish S Deodhare, NAL Bangalore

This workshop will be limited to only 25 participants.
Early registration is strongly encouraged.

Last Date for registration:
Monday, December 29, 2008

REGISTRATION FORM
National Workshop on
Challenges in Control Engineering
(8th Jan 2008 to 10th Jan 2008)

NAME:

QUALIFICATION:

EXPERIENCE:

DESIGNATION:

ORGANIZATION:

MAILING ADDRESS:

TELEPHONE: (O)

(R)

EMAIL:

Accommodation on campus required?*

YES / NO

PAYMENT: Details of the DD:

Date:

Signature of Applicant

Signature & Seal of forwarding authority

Course Registration fee:

Acad. Inst./Universities/Govt. R&D Labs**	Rs. 3000/-
Research Scholars and Students**	Rs. 1500/-
Private Industries	Rs. 5000/-

NB:

*The demand draft should be drawn in favour of "The Director, NIT, Trichy"
Payable at SBI, NIT Trichy branch (code no. 1617)*

**Accommodation: Limited accommodation (first-come-first served) will be provided at Institute Hostel/ Guest House on extra payment.*

***Proof must be attached along with the application form.*

Notes:

1. Kindly print your registration form using the format given and send it along with the DD to the above address.
2. The course fees includes kit, breakfasts, lunches, coffees and snacks on all days, and a short excursion to Tanjavur on 9th January 2009 in the evening.
3. The excursion is followed by the Workshop Banquet, also included in the course fees.
4. For latest updates please visit our website:

www.nitt.edu

5. Accommodation in the hostel costs about Rs. 100/- per person per day; guest house costs about Rs. 300/- per person per day. Accommodation can be arranged on prior request and is subject to availability. Participants must pay the accommodation charges separately.
6. Restaurants are available in the campus for dinner.
7. Address for Correspondence:

Mr. K. Srinivasan & Dr. N. Sivakumaran,

Conveners,

National Workshop on Challenges in Control Engg.,

Dept. of Instrumentation and Control Engineering,

National Institute of Technology, Trichy 620 015.

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