



Graduate School on Advanced Sliding Mode Control

Sponsored by International Federation of Automatic Control

Venue:

Indian Institute of Technology Jodhpur, India

Date: December 05-10, 2024



Chief Patron:

Prof. Avinash K. Agarwal,
Director, IIT Jodhpur

Organizing Committee:

- Prof. Bijnan Bandyopadhyay,
(Chair) IIT Jodhpur
- Dr. Jayesh Barve, GE Vernova
- Prof. Deepakkumar M.
Fulwani, IIT Jodhpur
- Dr. Abhisek K. Behera, IIT
Roorkee

Contact:

Prof. Bijnan Bandyopadhyay
Department of Electrical Engg.
IIT Jodhpur, India
Tel: +91 9619877889
Email: bijnan@iitj.ac.in

Registration Dates:

Start: 01/10/2024
End: 30/11/2024

Registration Fees:

Student: 5,000 INR
Industry: 12,000 INR
Academic: 8,000 INR
Young Women: 3,000 INR
(Below 30 Years)

Bank Details:

Account Name: Research &
Development IIT Jodhpur
Account No: 01421000144666
Bank: HDFC
Address: HDFC Bank Limited, 57
B, 9th Chopasani Road, Jodhpur
342003, Rajasthan
IFSC Code: HDFC0000142

The Graduate School on Advanced Sliding Mode Control, sponsored by IFAC, is to be held at IIT Jodhpur, from December 5-10, 2024. It provides an opportunity for young researchers and students to participate and interact with leading researchers in the variable structure and sliding mode control.

IFAC: (www.ifac-control.org/) The International Federation of Automatic Control was founded in September 1957. IFAC multinational federation is concerned with automatic control and its representation in the fields of engineering, science and the impact of control technology on society. Join us in challenging the new era in electronic communication, publication and exchange of ideas.

ACDOS: (www.acdos.org) Automatic Control & Dynamic Optimization Society (ACDOS) was established in the year 2011 with a noble objective to promote automatic control and dynamic optimization discipline in academia and industry across India. The society aims to host international conferences and technical workshops regularly in order to promote close interaction between industry and academia. The society also participates in curriculum development for graduate and under-graduate studies in addition to facilitating productive research in this field. The society volunteers to honor eminent persons who excelled in this field in industry and academic circles. ACDOS is also a proud National Member Organization (NMO) of the IFAC.

Speakers:

Prof. Sarah K. Spurgeon, UCL, UK
Prof. Antonella Ferrara, Univ. of Pavia, Italy
Prof. Bijnan Bandyopadhyay, IIT Jodhpur, India
Prof. Jaime A. Moreno, UNAM, Mexico
Prof. Andrzej Bartoszewicz, Lodz Univ. of Tech.,
Poland

Prof. S. Janardhanan, IIT Delhi, India
Prof. Deepakkumar M. Fulwani, IIT Jodhpur,
India
Dr. Shyam Kamal, IIT (BHU) Varanasi, India
Dr. Sohom Chakrabarty, IIT Roorkee, India
Dr. Abhisek. K. Behera, IIT Roorkee, India

Topics:

Sliding Mode Control and Observation
Optimization Based Sliding Mode Control
Discrete-Time Sliding Mode Control
Higher Order Sliding Mode Control
Lyapunov Based Design of Sliding Mode Control

Free-Will Arbitrary Time Sliding Mode
Control
Event-Triggered Sliding Mode Control
Applications to Robotics, Energy Systems,
Transportation Systems

- Registration is on first-come first service basis.
- Free accommodation and return travel support (III-Tier AC train from place of work to Jodhpur) for young women participants (proof of date of birth is required).
- The list of eligible Young Women participants will be informed by email.
- Accommodation will be provided in the IIT Jodhpur campus on payment basis (subject to availability).
- Please send the copy payment details and age proof along with registration form by email to bijnan@iitj.ac.in.
- For any query, kindly email to either bijnan@iitj.ac.in or abhisek@ee.iitr.ac.in with subject Advanced Graduate School on SMC 2024.



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Registration Form

Name: _____

Designation: _____

Institution/Organization: _____

Age: _____ Gender: _____ Contact No: _____

Email: _____

----- Payment Details -----

Category: *Student/Academic/Industry/Young Women (Below 30 years)*

Registration Fees: _____

Date: _____

Bank: _____

Transaction Details: _____

Bank Details for Online Transfer:

Account Name: Research & Development IIT Jodhpur

Account No: 01421000144666

Bank: HDFC

Address: HDFC Bank Limited, 57 B, 9th Chopasani Road, Jodhpur 342003,
Rajasthan

IFSC Code: HDFC0000142