



Indian Institute of Space Science and Technology

Declared as Deemed to be University under Section 3 of the UGC Act, 1956

An Autonomous Institute under Department of Space, Govt. of India

Valiamala, Thiruvananthapuram 695 547, Kerala

IIST Online Faculty Development Programme on Control and Automation

15th to 18th December 2020

ABOUT THE INSTITUTE

Indian Institute of Space Science & Technology (IIST) is Asia's first Space Institute and the first in the world to offer complete range of undergraduate, post graduate and doctoral programmes with specific focus to space science and technology. The Institute has the unique mandate of encouraging and equipping brilliant youngsters from all parts of the country to take up career as Scientist/Engineer in Indian Space Research Organization. IIST functions as an autonomous body under the Department of Space, Government of India.

Lecture Topics

- Optimal Control Theory and Space Missions
- Avionics and Control Systems in modern civil aircraft
- Basics of Missile Control System Design
- Limitations of flight control system for unstable missiles
- Linear and Nonlinear Controller Design for Wind Energy Conversion System
- SLOSH Stability analysis in Launch Vehicles and Satellites
- Building Autonomous Robots: Intelligent Control, Imitation Learning and Deep Learning based Visual Perception
- Artificial Pancreas for Type-1 Diabetic Patients of India
- Attitude Control of Aircraft Dynamics

ONLINE FEE PAYMENT DETAILS

Name of Account Holder : Indian Institute of Space Science and Technology
Account No. : 30185378556, Bank: State Bank of India, Valiamala Branch
IFSC: SBIN0007854

After paying the fees through online, online registrations must be done at shorturl.at/czBD7 along with transaction details

Participants are eligible for attendance certificate

COURSE FEE

Rs. 500 per head to be paid online

DATES TO REMEMBER

Last date for online registration: **October 24, 2020**

ADDRESS FOR CORRESPONDENCE

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Associate Professor

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ORGANIZING DEPARTMENT

The Avionics Department offers a four year B.Tech Programme in Electronics and Communication Engineering which gives technical excellence in all areas of Avionics Engineering such as Digital System Design, Digital communication, VLSI Design, Navigation, Guidance and Control, Digital System Design, Computer Technology and Power Electronics. In addition, the department offers M.Tech in RF and Microwave Communication, Digital Signal Processing, Control Systems, Power Electronics and VLSI & Microsystems. The Department also offers Ph.D program in various disciplines of Avionics like Electronics, Electrical Engineering and Computer Science.

RESOURCE PERSONS

Dr. RV Ramanan, Adjunct Professor, IIST

Mr. Paul Russell, Senior Manager, Air India

Mr. Ram B Sankar, Scientist/Engineer, DRDL, DRDO

Prof. MV Dekhane, ISRO

Mr. Kapil Kumar Sharma, VSSC, ISRO

Prof. Radhakant Padhi, IISc, Bangalore

Dr. Ranjan Kumar Behera, IIT, Patna

Prof. L Behera, IIT, Kanpur

Dr. Rajesh Joseph Abraham, IIST

