

## About Department of Mathematics

The Department of Mathematics, IIST is offering a Ph.D program and an M.Tech program in Machine Learning and Computing. Apart from these, the Department is offering courses for the UG and PG programs offered by other departments. Presently, there are eleven faculty members in the department, working in the research areas: Mathematical Control Theory; Suspension Rheology; Partial Differential Equations; Differential Geometry and its Applications; Applied Probability and Stochastic Processes; Numerical Solutions to Fluid Dynamics; Computational Partial Differential Equations; Numerical Solutions to Partial Differential Equations; Commutative Algebra; Machine Learning Algorithms and Applications; Control and Inverse Problems.

## About IIST

Indian Institute of Space Science and Technology (IIST), situated at Thiruvananthapuram is a Deemed to be University under Section 3 of the UGC Act 1956. IIST functions as an autonomous body under the Department of Space, Government of India. The idea of such an institute was mooted keeping in mind the need for high quality manpower for the Indian Space Research Organization, one of world's leading scientific organizations engaged in space research and space applications. The institute is the first of its kind in the country, to offer high quality education at the undergraduate, graduate, doctoral and post-doctoral levels on areas with special focus to space sciences, space technology and space applications. IIST was formally inaugurated on 14 September 2007 by Dr. G. Madhavan Nair, the then Chairman, ISRO and was temporarily housed in the premises of Vikram Sarabhai Space Centre, very close from where ISRO built and launched its first rocket. Both the founding fathers of the institute, Dr G Madhavan Nair and Dr B.N. Suresh, the latter being the first Director of IIST, played a very important role in the formation of the institute, facilitating its establishment and contributing to its vision.

### Chief Patron

**Prof. Dipankar Banerjee**  
Vice-Chancellor, IIST

### Patrons

**Prof. Kuruvilla Joseph**  
Pro Vice-Chancellor, IIST

**Prof. Raju K. George**  
Outstanding Professor, Dept. of Mathematics,  
Dean SA & SW, IIST

### Conference Chair

**Prof. Deepak T. G.**  
Professor & Head, Dept. of Mathematics, IIST

### Conveners

**Prof. Sarvesh Kumar**  
Professor, Dept. of Mathematics, IIST

**Prof. Kaushik Mukherjee**  
Professor, Dept. of Mathematics, IIST

**Prof. C.V. Anilkumar**  
Professor, Dept. of Mathematics, IIST

## DEADLINES

|                     |                   |
|---------------------|-------------------|
| Registration        | October 25, 2025  |
| Abstract Submission | November 25, 2025 |
| Abstract Acceptance | December 10, 2025 |

For more details



<https://events.iist.ac.in//RDACM/>

In honour of Prof. Raju K. George

# CONFERENCE ON RECENT DEVELOPMENTS IN APPLIED & COMPUTATIONAL MATHEMATICS (RDACM-2026)

January 15-17, 2026

Organised by

**DEPARTMENT OF MATHEMATICS**



**Indian Institute of Space Science and  
Technology**  
Thiruvananthapuram, India



## Objective

This conference will provide a platform to showcase recent advances in applied and computational mathematics. Its primary objective is to offer a dynamic and interdisciplinary forum for researchers, academicians, and industry professionals to exchange ideas, present novel findings, and share insights into emerging research and real-world applications.

The event aims to foster cross-disciplinary collaboration, promote innovative methodologies, and emphasize the role of mathematical tools and computational techniques in addressing complex challenges across science, engineering, and technology. By bringing together leading experts and early-career researchers from around the globe, the conference seeks to advance both theoretical and applied mathematical research.

RDACM-2026 will feature keynote addresses, and oral presentations, all aligned with the core themes of the event.

## Topics to be covered

- Differential Equations
- Control Theory and Dynamical Systems
- Numerical Analysis
- Scientific Computing
- Mathematical Modeling
- Fluid Mechanics
- Mathematical Biology
- Artificial Intelligence & Machine Learning
- Image Processing
- Optimization & Operations Research
- Operator Theory & Approximation Theory
- Probability & Statistics
- Fractional Calculus and Its Applications
- Other emerging areas in applied and computational mathematics

## Keynote Speakers

- Prof. Daniele Boffi, KAUST, Saudi Arabia.
- Prof. Lucia Gastaldi, University of Brescia, Italy.
- Prof. M. C. Joshi, IIT Bombay, India.
- Prof. A. K. Pani, IIT Bombay and BITS Goa, India.
- Prof. Neela Nataraj, IIT Bombay, India.
- Prof. M. Thamban Nair, IIT Madras, India.
- Prof. A. K. Nandakumaran, IISc., Bangalore, India.
- Prof. P. S. Datti, TIFR, Bangalore, India.
- Prof. Mythily Ramaswamy, TIFR, Bangalore, India.
- Prof. N. Sukavanam, IIT Roorkee, India.
- Prof. Natesan Srinivasan, IIT Guwahati, India.
- Prof. K. Balachandran, Bharathiar University, India.
- Prof. P. Balasubramaniam, GRU, Dindigul, India.
- Prof. S. Panda, NIT Kozhikode, India.
- Prof. V. D. Pathak, MSU Baroda, India.
- Prof. V. O. Thomas, MSU Baroda, India.
- Prof. T. R. Ramamohan, CSIR 4th PI and RIT, Bangalore, India.

## Advisory Committee

- Prof. A. K. Nandakumaran, IISc., Bangalore, India.
- Prof. P. S. Datti, TIFR, Bangalore, India.
- Prof. M. C. Joshi, IIT Bombay, India.
- Prof. A. K. Pani, IIT Bombay and BITS Goa, India.
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## Registration Fees

|                      |               |
|----------------------|---------------|
| Students, Scholars   | Rs. 2700/-    |
| Faculty              | Rs. 3700/-    |
| Industrial Delegates | Rs. 5000/-    |
|                      | Excl. 18% GST |

## Travel & Accomodation

- Travel support will not be provided to the participants.
- Free lodging and boarding will be arranged upon request.

## Organising Committee

- Prof. N. Sabu, IIST, Thiruvananthapuram, India.
- Prof. K.S.S. Moosath, IIST, Thiruvananthapuram, India.
- Prof. E. Natarajan, IIST, Thiruvananthapuram, India.
- Prof. S. Sumitra, IIST, Thiruvananthapuram, India.
- Prof. Prosenjit Das, IIST, Thiruvananthapuram, India.
- Prof. K. Sakthivel, IIST, Thiruvananthapuram, India.

## Contact Details

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