

About The Institute

National Institute of Technology Sikkim (NIT Sikkim), an institute of national importance, is one of the ten newly sanctioned NIT(s) by the Government of India in 2009. The institute is offering B. Tech. programs in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Civil Engineering, and M. Tech. programs in Computer Science and Engineering, Microelectronics & VLSI Design and Electrical and Electronics Engineering. The Institute also offers M.Sc. program in Chemistry and Ph.D. programs in all Departments.

The Mechanical Engineering Department of NIT Sikkim started its journey in 2014. Since its inception, the department has produced globally competent Mechanical Engineers capable of contributing the society through innovation and working in multidisciplinary fields. The Department aims to conduct innovative research and to provide world-class education that instils the professional, technical, critical-thinking and communication skills necessary to make impactful contributions to society. The department aims to provide the students with a perfect blend of intellectual and practical experiences that helps them to serve our society and address a variety of needs and good human beings.

About the Workshop

The proposed online workshop is aimed at creating an effective forum for exchanges of innovative ideas and research works in the areas of recent trends in Thermo-Fluids as well as their upcoming advancement. Eminent Speakers from the field of Academia and Industry will be delivering their lectures on the thematic areas of the workshop. Following are the themes of the workshop, but not limited to:

- Heat transfer measurement and enhancement
- Convection and inverse heat convection
- Nano-Fluid synthesis and characterization
- Interactive conduction, convection and radiation heat transfer.
- Conjugate heat transfer in spacecraft and energy applications.
- Fluid Mechanics & Dynamics; Fluid Structure Interaction
- Multiphase Flows & phase change
- Applications of Micro-fluidics and Nano-fluid
- Boundary Layer concept and Free Surface Flows
- Flow Control and Diagnostics, High-Speed Flows; Shock waves

And many more



Five Days Online Workshop

on

**RECENT TRENDS
IN
THERMO-FLUIDS**

22-26th February 2021



TEQIP-3
Technical Education Quality Improvement Programme

Organized by

**Department of Mechanical
Engineering**

**National Institute of Technology
Sikkim**

Ravangla-737139, Sikkim
Website: www.nitsikkim.ac.in

Under the Aegis of
**TEQIP-III, NPIU
MoE, Govt. of India**

Registration

- Registration will be considered on First cum First serve basis.
- There will be no registration fee.
- **Click here for registration**
<https://forms.gle/c9dYUBePdJPcHrt68>
- Last date of registration is 20th February 2021

Certificate

E-certificate will be provided after conforming the attendance criteria.

Contact Persons

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Organizing Committee

Patron

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Director, NIT Sikkim

Convener

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*Dean Academic & Coordinator TEQIP-III,
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Coordinator

Dr. Shambhunath Barman
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Members

Dr. Shitendu Some, *NIT Sikkim*

Dr. Dipayan Das, *NIT Sikkim*

Mr. Susanta Kumar Pradhan, *NIT Sikkim*

Mr. Pratik Shaw, *NIT Sikkim*

Mr. Manohar Kumar, *NIT Sikkim*

Mr. Ayan Pramanick, *NIT Sikkim*

Mr. Amit Maity, *NIT Sikkim*

Resource Persons

- **Prof. Rajat Gupta,**
Director, NIT Mizoram
- **Prof. Shailendra D Sharma**
IIT Bombay
- **Prof. Suman Chakraborty**
IIT Kharagpur
- **Prof. Swarnendu Sen**
Jadavpur University, Kolkata
- **Prof. Amaresh Dalal**
IIT Guwahati
- **Prof. Pallab Sinha Mahapatra**
IIT Madras
- **Dr. Souvick Chatterjee**
Education Technical Evangelist, MathWorks

Other Eminent Speakers from IITs, NITs and other Institute of repute will also be sharing their knowledge as per the theme of the workshop.

Participants

Participants will be selected among faculty members, PhD scholars, PG & UG students, & researchers, and practicing engineers from Academia, Government and AICTE approved Non-Government Organizations.

Mode

The workshop will be organized through online platform. The joining link will be shared with the participants, well in advance.