

Patrons

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- **Dr. A. U. Digaskar**
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Managing Committee

- **Pulkit Kumar**
PhD Scholar
- **Umang Makadia**
Mtech Scholar
- **Manju Lata**
PhD Scholar
- **Shrekumar Soni**
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For any query related to workshop please contact:
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Also you can email us at:
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Who can attend ?

- Educators/Academician
- Engineers
- Scientists from R&D institutions and industry
- Students (Ph.D. & M.Tech. Scholars)
- Thermal Analysis Tool Users
- Anyone interested in thermal analysis



Registration Fees / Participants

₹ 2000/-

For registration, please follow link:

Last date of registration 15-December-2017

NATIONAL LEVEL
FIVE DAY WORKSHOP ON

ADVANCES IN HEAT TRANSFER AND REFRIGERATION

(09 - 13, JANUARY, 2018)



Organized by:



**Institute of Infrastructure Technology
Research and Management**

(An Autonomous University established by Government of Gujarat)

Near Khokhara Circle, Maninagar East,
Ahmedabad, Gujarat 380026

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Supported by:



**Science and Engineering Research Board
Department of Science and Technology**

Government of India

About IITRAM

Institute of Infrastructure Technology Research and Management (IITRAM) is an autonomous university established by Government of Gujarat. It provides engineering education with specialization in Infrastructure and Management of Infrastructure to create centers of excellence, to organize advanced studies and to promote research. It shall foster cultural and ethical values with a view to enhance professional morality, research integrity, globally acceptable business ethics and morals for professionals. IITRAM Ahmedabad offers Bachelor of Technology programs in Civil Engineering, Mechanical Engineering, and Electrical Engineering. Admission to these programs is through the ACPC for the candidates from Gujarat and through JOSAA for other candidate outside of Gujarat. The institute also offers Masters and Ph.D. studies in various fields of engineering, sciences and humanities, and social sciences.

About Mechanical Engineering Department

The Department of Mechanical Engineering at IITRAM, Ahmedabad started right after one year of the inception of campus in 2014 and has been offering B.Tech. Mechanical Engineering, M.Tech. (Mechanical Infrastructure) and Doctoral Programs. The department has state of art laboratory and infrastructural facilities for teaching, training, research and development.

About the Workshop

The main objective of the workshop is to create awareness about the current advances of research in Heat transfer and Refrigeration and the focus will be given on importance of the knowledge of solving real life and industrial problems in the process of achieving the individual, collective and societal goals with sustainable technology, processes and products. It will disseminate information on the latest developments in the areas of Heat transfer and Refrigeration with special impetus on CFD which will be discussed in detail. Effective computational fluid dynamics analysis facilitate efficient and quick simulation of heat transfer and fluid flow of a product, part or structure to determine its performance level across diverse fluid forces. Also the workshop will present several examples and case studies of topics related to title of workshop for better understanding. This workshop encourages the personal and professional development of young academician, scientists and engineers, and promotes cooperation with other engineering and technical societies to enhance interactions with industry, government agencies and the public at large.

Financial Assistance

For outstation participants, financial support for travel in train (II class sleeper) and/or ordinary bus will be provided on production of the ticket/vouchers. Lunch and high tea will be arranged to all participants during the workshop. Limited accommodation in student hostel will be made available if requested in advance for out stationed candidates on sharing basis.

Topics

- Numerical modelling of heat transfer in various applications
- Heat transfer enhancement
- Inverse heat transfer
- Combustion heat transfer
- Solar refrigeration
- Trans critical CO₂ Refrigeration
- CO₂ Capture

Workshop Features

- Guest Speakers
- Poster Sessions
- Technical Short Courses
- Hands-on Software Training - ANSYS
- Visit to nearby power plant and refrigeration plant

Speakers

Renowned speakers from IITs and industries will participate in the workshop.

- **Dr. Prabal Talukdar**
Professor, Mechanical Engg. Dept., IIT Delhi.
- **Dr. PMV Subbarao**
Professor, Mechanical Engg. Dept., IIT Delhi.
- **Dr. S. K. Tyagi**
Associate Professor, CES, IIT Delhi
- **Dr. Malti Goel**
CEO & Founder Climate Change Research Inst.
- **Dr. Ajit Kumar Parwani**
Asst. Prof., Mechanical Engg Dept., IITRAM.
- **Dr. Dileep Kumar Gupta**
Asst. Prof., Mechanical Engg. Dept., IITRAM.