

**INTERNATIONAL CONFERENCE ON
INNOVATIONS IN THERMO-FLUID
ENGINEERING AND SCIENCES
[ICITFES - 2020]**

10-12 February 2020

NIT Rourkela, India



HONORARY CONFERENCE CHAIRS

Prof. Yunus Çengel, USA
Prof. Mihir Sen, USA

CONFERENCE CHAIR

Prof. S. Murugan

CONFERENCE CO-CHAIRS

Prof. Suman Ghosh
Prof. Manoj Kumar Moharana

CONFERENCE SECRETARIAT

Prof. S. Anbarasu
Thermo-Fluids Division
Department of Mechanical Engineering
National Institute of Technology, Rourkela
Odisha, India

email ID: conferencenitrkl@gmail.com

Website: <https://www.mypadnow.com/icitfes2020>

Student Coordinators

Mr. A. K. Aadhithiyam [Mobile +919944417260]
Mr. K. V. J. Bhargav [Mobile+919505857616]

PATRON

Prof. Animesh Biswas, Director, NIT Rourkela

CHAIRMAN

Prof. D. R. Parhi, Head,
Mechanical Engineering Department, NIT Rourkela

INSTITUTE ORGANIZING COMMITTEE

Prof. R. K. Sahoo
Prof. S. K. Patel
Prof. A. K. Satapathy
Prof. Alok Satapathy
Prof. S. Murugan
Prof. Suman Ghosh
Prof. M. K. Moharana
Prof. S. Anbarasu
Prof. S. K. Behera
Prof. S. K. Rathore
Prof. Sumit Kumar
Prof. P. S. Balaji
Prof. J. R. Senapati
Prof. Kaustav Chaudhary

INTERNATIONAL ADVISORY COMMITTEE

Prof. Yunus A. Cengel, USA
Prof. Manfred Groll, Germany
Prof. Mihir Sen, USA
Prof. Ibrahim Dincer, Canada
Prof. Yildiz Bayazitoglu, USA
Prof. Mohamed Hamed, Canada
Prof. Mirosław L Wyszynski, UK
Prof. Sai Gu, UK
Prof. Philip Davies, UK
Prof. Lingai Luo, France
Prof. Jens Klingmann, Sweden
Prof. Sergio Nardini, Italy
Prof. Gian Luca Morini, Spain
Prof. Antonio Lecuona, Spain
Prof. M. Masud K. Khan, Australia
Prof. Bohumil Horak, Czech Republic
Prof. Chengwang Lei, Australia
Prof. S. Kenjereš, The Netherlands
Prof. Ooi Kim Tiow, Singapore
Prof. Wang Yiping, China
Prof. Zakariya Kaneesamkandi, Saudi Arabia

NATIONAL ADVISORY COMMITTEE

Dr. V. Narayanan, VSSC, ISRO, Thiruvananthapuram
Dr. Ravi B. Grover, BARC Mumbai
Dr. Anindya Chakravarty, BARC Mumbai
Dr. T. S. Datta, IUAC, New Delhi
Dr. K. Ravichandran, CVRDE, DRDO, Chennai
Dr. Sandip Pal, VECC-DAE Kolkata
Dr. A. S. Ramadhas, IOCL Faridabad
Prof. Gautam Biswas, IIT Guwahati
Prof. Sarit Kumar Das, IIT Ropar
Prof. S. Kasthuriengan, IISc, Bengaluru
Prof. S. Dasappa, IISc Bengaluru
Prof. A. Ramesh, IIT Madras
Prof. M. P. Maiya, IIT Madras
Prof. Sandipan Ghosh Moulic, IIT Kharagpur
Prof. Suman Chakraborty, IIT Kharagpur
Prof. M. Ramgopal, IIT Kharagpur
Prof. Atul Sharma, IIT Bombay
Prof. P. M. V. Subba Rao, IIT Delhi
Prof. Avinash Kumar Agarwal, IIT Kanpur
Prof. Sunil Kumar Sarangi, IIT Bhubaneswar
Prof. S. P. Venkateshan, IITDM, Kanchipuram
Prof. S. K. Mahapatra, IIT Bhubaneswar
Prof. P. Muthukumar, IIT Guwahati
Prof. Santosh Kumar Sahu, IIT Indore
Prof. Anil Kumar, IIT Tirupati
Prof. Ramjee Repaka, IIT Ropar
Prof. K. Murugesan, IIT Roorkee
Prof. Arup Kumar Das, IIT Roorkee
Prof. S. Jayaraj, NIT Calicut
Prof. G. Nagarajan, Anna University, Chennai
Prof. R. Velraj, Anna University, Chennai
Prof. S. Iniyam, Anna University, Chennai
Prof. S. Venkatachalapathy, NIT Trichy
Prof. C. G. Saravanan, Annamalai University
Prof. S. Suresh, NIT Trichy
Prof. N. Sendhilkumar, NIT Puduchery
Prof. R. Senthil, Anna University Villupuram

OVERVIEW AND OBJECTIVES

The International Conference on Innovations in Thermo-Fluid Engineering and Sciences [ICITFES - 2020] has the objective to bring academicians, scientists, and researchers together who are engaged in research and development of thermo-fluid systems and their applications in various fields of engineering and science, and to disseminate their research findings. The conference theme will not only cover the topics that are listed in the brochure; but also the areas which are relevant to the thermo-fluid systems and their applications. It is anticipated that the conference will appeal to a wide range of disciplines. Plenary and keynote lectures and oral presentation of research papers will be delivered in parallel sessions so as to enable the participants to interact during the conference.

PARTICIPANTS

Scientists, Academicians, Research Scholars and Students from Academic Institutions, Researchers from Research Organizations and Industries can send their research finding for presentations.

CALL FOR ABSTRACT/FULL PAPER

Abstract of research/technical paper followed by the full paper are invited, based on the theme of the conference. Selected papers will be arranged for oral or poster presentation. The registered authors can submit multiple papers. For every additional paper, 50% of the registration fee has to be paid. Abstract/paper submission details are available in the conference website:

<https://www.mypadnow.com/icitfes2020>

PUBLICATION

Selected peer-reviewed papers from the conference will be published in peer reviewed SCI/Scopus Indexed International Journals and Conference Proceedings.

IMPORTANT DATES

Abstract Submission	30 th July 2019
Intimation of acceptance of abstract	20 th August 2019
Final submission for review	30 th September 2019
Camera ready submission	15 th December 2019
Last date for registration	31 st January 2020

THEMES OF THE CONFERENCE

Authors are invited to submit their abstract and paper in the following themes not limited to:

Aerospace Engineering
Atmospheric Science
Biological Heat Transfer and Fluid Flow
Climate Change
Combustion and Flame
Computational Fluid Dynamics
Cryogenics
Fluid Mechanics
Gas Turbines and Dynamics
Heat Transfer
Humidity and Control
Multiphase Flow
Ocean Engineering
Power and Energy
Refrigeration and Air Conditioning
Renewable Energy
Thermodynamics
Miscellaneous Topics Related to Conference Theme

REGISTRATION

Visit the conference website for complete details regarding registration and accommodation:

<https://www.mypadnow.com/icitfes2020>

SCAN ME



ABOUT NIT ROURKELA, INDIA

National Institute of Technology Rourkela is an institute of national importance created under the act of parliament. NIT Rourkela has been ranked at 215 and 27th position in QS Asia University Ranking, and QS Indian University Ranking 2019 respectively. It has also been ranked in 121 positions in QS BRICS category, 2019. Times Higher Education has figured NIT Rourkela in the group of 601-800 in World University Ranking 2019. The Institute provides quality education in a diverse and multi-cultural environment. The mission of the institute is to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for the society and be a preferred destination for undergraduate and post graduate studies. The institute is offering Ph.D. and M.Tech by Research programme in 21 branches of Engineering. The institute research centers are engaged in consultancy and research activities of several bodies such as DST, DAE, CSIR, DRDO, BARC, ISRO and private industries.

VENUE

The conference will take place at National Institute of Technology, Rourkela, India. Rourkela is a planned city located in the northern part of Odisha, India. It is the third largest Urban Agglomeration in the state of Odisha, India. It is situated about 350 kilometers from Bhubaneswar, the state capital and is surrounded by a range of hills and encircled by rivers. It is about 320 kilometers from Kolkata, a third largest city in India.

CULTURAL PROGRAM

A cultural program is planned for participants and accompanying persons during the conference.