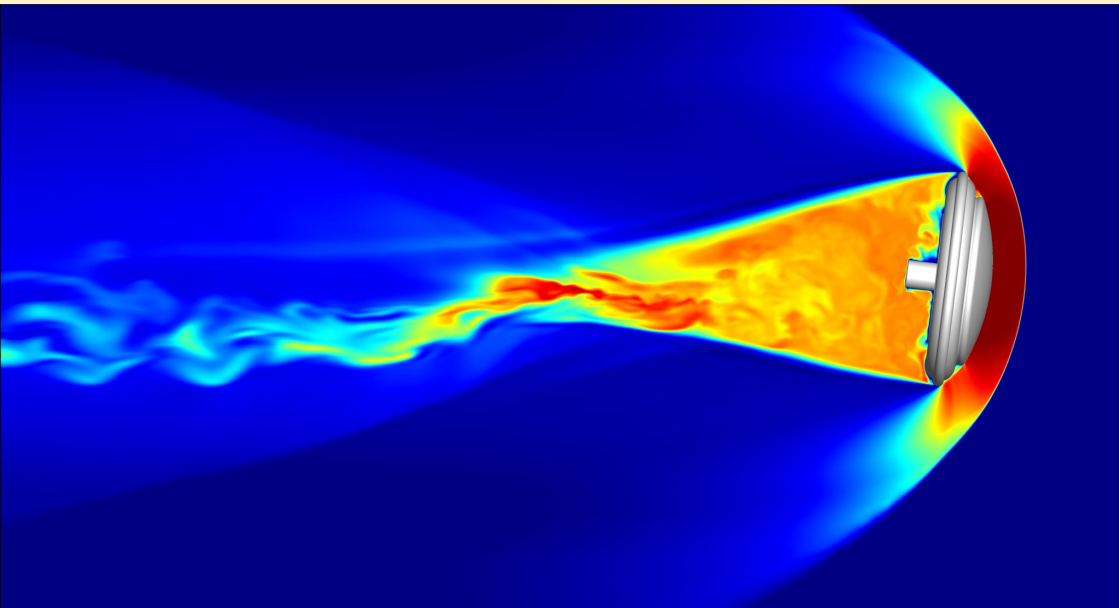




**Sardar Vallabhbhai National Institute of Technology,
SVNIT-Surat**

**2nd National and 1st International conference on
Advances in Fluid Flow and Thermal Sciences**

ICAFFTS 2021



24th—25th September, 2021

SVNIT Surat, Surat, Gujarat, India

<http://icaffts2021-svnit.com/>



Organizing Chairman

Prof. J. Banerjee

Dr. R.D. Shah

Dr. Hemant B. Mehta

Dr. Manish Rathod

**Department of Mechanical Engineering
SVNIT-Surat, Gujarat**

About Conference:

ICAFFTS 2021

The 2nd National and 1st International Conference on Advances in Fluid Flow and Thermal Sciences (ICAFFTS-2021) is held to celebrate the 60th anniversary of the SVNIT Surat founding day. The philosopher Soren Kierkegaard said, “Life can only be understood backwards, but it must be lived forwards.” SVNIT Surat’s 60th anniversary allows us to reflect on the achievements of our past colleagues and students, but it also challenges us to look ahead. We must protect what is precious from the past, but we must also look forward, continue to innovate, and strive to excel. SVNIT has proven to be one of the prestigious institutes in India but still constant efforts are made in reaching its zenith. Therefore, to celebrate the Diamond Jubilee many initiatives, key events are organized. This conference is one among many events to celebrate the Diamond Jubilee and foster the repute of the institute. The aim of the conference is to gather academic scholars, researchers and practitioners across the globe to disseminate advances in the fields of fluid flow and heat transfer and to foster an environment conducive to exchanging ideas and information.



About SVNIT-Surat:

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and it is elevated to Sardar Vallabhbhai National Institute of Technology with the status of ‘Deemed University’ on 4th October 2002. The Sardar Vallabhbhai National Institute of Technology (SVNIT) is one of the pioneering engineering institutions of the country, which has contributed many outstanding engineers in India and abroad. It is conducting six UG programs, seventeen PG programs, three integrated five years M.Sc. Programs, and Ph.D. program in all disciplines of engineering and applied sciences. Special attention is given to interdisciplinary research all across departments. The institute has an excellent placement record and growing by high pace in research as well.

About Department:

ICATTS 2021

The Department of Mechanical Engineering is one of the oldest departments from the start of institute (1961). The department has qualified and dedicated faculty members with the specialization in various areas. The department is undertaking a UG programs in Mechanical Engineering, five PG programs (Thermal System Design, Mechanical Engg., Turbo Machines, CAD/CAM, and Manufacturing Engg.) and a research program leading to Ph.D. degree in related specialization. For industry people, master program by research and part time Ph.D. program are also available. The research facilities in mechanical department are developing with addition of new equipment and laboratories, and modernization of old laboratories, high pace in research as well.



Topics will include but not limited to the following tracks:

1. Mini/Micro/Nanoscale Flow and Heat Transfer
2. Multiphase Flow and Heat Transfer
3. Flow Instability and Turbulence
4. Porous Media, Radiation, Inverse and Bio Heat Transfer
5. Computational Methods
6. Combustion, Fire and Fuels
7. Refrigeration and Cryogenics
8. Flow Visualization, Measurement and Instrumentation
9. Application of AI in Flow and Heat Transfer
10. Thermal management of Electronics systems
11. Flow and Heat Transfer in Advanced Applications
12. Thermo-economic Analysis of Energy Systems
13. Miscellaneous Topics

Important Dates:

ICAFFTS 2021

Paper Submission Opens	April 15, 2021
Paper Submission Closes	June 30, 2021
Notification of Accept/Decline	July 15, 2021
Revised Manuscript Due	July 30, 2021
Early Bird Registration opens	July 30, 2021
Early Bird Registration closes	August 15, 2021
Registration closes	August 30, 2021
Conference dates	September, 24-25, 2021

Paper Submission:

High quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of Heat Transfer and Fluid Flow are cordially invited for presentation at the conference. Researchers are invited to submit Full Paper (maximum six pages) online, in the prescribed format, covering the mentioned conference themes (but not limited to) on or before 30th June 2021. All selected papers will be peer reviewed and accepted papers will be published in the SCOPUS Indexed conference proceeding. Papers of archival quality with extended version will be considered for the possible publications in SCOPUS Indexed journals. Templates for the manuscript submissions can be downloaded from the conference website (<http://icaffts2021-svnit.com/>),

Accommodation

Delegates will be provided twin-shared accommodation in the Institute. This accommodation is limited and will be available to registered participants on a first come first served basis. Accommodation charges will be borne by the delegates. For student delegates, accommodation will be provided at hostels on campus at nominal charges.

Sponsorship

The organizing committee of ICAFFTS-2021 takes immense pleasure in inviting sponsors to showcase your products and services to the Conference participants and delegates. For sponsorship category, tariff and potential branding benefits details kindly visit <http://icaffts2021-svnit.com/>

Registration:

ICAFFTS 2021

Registration Fee: Registration can be completed after online payment of registration fees. Before proceeding for registration please read the instruction given in the conference website: <http://icaffts2021-svnit.com/>.

	Foreign Participants (US \$)		Indian Participants or from SAARC countries (in INR)	
	Before 15 Aug 2021	After 15 Aug 2021	Before 15 Aug 2021	After 15 Aug 2021
Students/ Research Scholars	120	150	3000	4000
Academic Institutions	400	450	7500	8500
Accompanying persons	150	150	3000	3000

Organizing Committee

PATRON

Prof. S.R. Gandhi,
Director, SVNIT Surat

ORGANIZING CHAIRMAN

Prof. J. Banerjee
Dr. Hemant B. Mehta
Dr. R.D. Shah
Dr. Manish Rathod

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Prof. Pinaki Chakraborty, OIST, Japan	Dr. Malay K. Das, IIT Kanpur
	Prof. Mahesh V Panchagnula, IIT Madras

Keynote Speakers:

ICAFFTS 2021



Prof. Rufat Abiev
St.Petersburg State Institute
of Technology



Prof. Saptarshi Basu
IISC Bangalore



Prof. Suman Chakraborty
IIT Kharagpur



Prof. Amit Agrawal
IIT Bombay



Prof. Pinaki Chakraborty
OIST Japan



Dr. Arun Kumar Nayak
BARC

How to Reach Us:



SVNIT Surat is located approximately 8.5 km from Surat Airport. It takes 15 minutes travel by car. Airport taxis are available for a comfortable journey. Surat railway station and Surat central bus station are 11.5 km from SVNIT Surat. Auto rickshaw, Ola-Uber service are available at any time of the day.

Contact Us:

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SV National Institute of Technology – Surat,
Surat, Gujarat, India

Webpage: <http://icaffts2021-svnit.com/>



Dumas Beach



Statue of Unity



Saputara Hill Station

National Salt Satyagraha Memorial, Dandi



Dandi Beach



Gadteshwar Mahadev Temple

