



1st INTERNATIONAL CONFERENCE
ON
'ADVANCES IN FLUID DYNAMICS' :IAFD-2025
21st & 22nd March, 2025



Organized By:
Department of Mathematics in Association with Research and
Innovation Sapthagiri NPS University ,
#14/5, Chikkasandra , Hesarghatta Main Road, Bengaluru – 560057

ABOUT THE UNIVERSITY

At Sapthagiri NPS University, we take pride in being a beacon of academic brilliance, seamlessly blending innovation, creativity with enjoyment. Our primary objective is to cultivate a dynamic learning environment that goes beyond traditional education, fostering creativity, and preparing students for real-world success. We educate, empower and enrich academic knowledge and inculcate value education to students.

Join us on a transformative journey where education meets excitement, knowledge transforms into innovation, creativity and success becomes a way of life.

ABOUT THE CONFERENCE

Research in area of Fluid dynamics which is mostly Inter and multi-disciplinary has led to several innovations in the fields of aerospace, space, automotive, petroleum industry, medicine, neurosciences, drug delivery system, nanofluids and environment.

Advancements in the above fields are quite rapid through the consistent efforts of researchers and academicians all over the world. In view of this, to create a platform for dissemination and discussions of the outcomes of the current research in the above fields , the Department of Mathematics, School of Engg & Technology in association with Research & Innovations, SNPSU, is planning to Organize an International Conference on “Advances in Fluid Dynamics” on 21st – 22nd March 2025.

This Conference shall focus on: CFD, Multiphase flow, Combustion, Aerodynamics, Micro-fluids, Nano-fluids, Turbulence, Boundary layer, Energy Harvesting, Medical Device Design, Drug delivery system, Blood Flow, Transportation & Building System.

This conference being inter & multi- disciplinary shall attract well over 100 participants from both within India & abroad who shall contribute Technical papers in the above mentioned focus areas. These technical papers shall be reviewed by the experts in the specific domains and the same shall be published as Conference Proceedings.

CONFERENCE THEME

We are inviting full paper article submission related to but not limited to the topics listed below. The papers will go through a rigorous review process and the final selection of Papers will be the decision of Technical Committee.

❖ CFD	❖ Compressible flows
❖ Multiphase flows	❖ Energy harvesting
❖ Combustion	❖ Experimental fluid dynamics
❖ Aerodynamics	❖ Medical device design
❖ Microfluids	❖ Drug delivery system
❖ Nanofluids	❖ Laparoscopes and endoscopes
❖ Turbulence	❖ Blood flow
❖ Boundary layer	❖ Energy systems
❖ Transportation systems	❖ Building systems

Advisory Committee:

- ❖ Dr. Mallikarjunaiah, Associate Professor, A&M, Texas, USA.
- ❖ Dr. Zulfiqar Khan, Professor & DirectorNanoCorr, Energy & Modelling, Bournemouth U K.
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- ❖ Dr. Sivasankaran Sivanandam, Professor, King Abdulaziz University, Saudi Arabia.
- ❖ Dr R. Venkatesh, Associate Professor Indian Institute of Science, Bangalore, India.
- ❖ Dr. Sumitra R, Professor, Director, School of Computational Sciences, Nrupathunga University, Bangalore, India.
- ❖ Dr. S R Sudheendra, Professor and Head, Presidency University, Bangalore, India.

Keynote Speakers:

- ❖ Dr. Alan Jeffrey Giacomini, Professor of Chemical Engineering, Canada Research Chair in Physics of Fluids.
- ❖ Dr. Rushi Kumar B, Professor, VIT, Vellore, India.
- ❖ Dr. Mona Kanso, PhD Postdoctoral Associate, Massachusetts Institute of Technology, Chemical Engineering Dept
- ❖ Dr. Monica Naccache, Associate Professor, Brazil, Associate Editor, Physics of Fluids.
- ❖ Dr. Natalie Germann Deputy Editor, Physics Of Fluids

CHIEF PATRONS

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Sri G D Manoj, Honorable Pro-Chancellor, Sapthagiri NPS University

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Dr. K S Venkateshappa, Chief Administrative Officer, SNPSU
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- Mrs. Deepika R, Asst Prof, Maths, SNPSU

IMPORTANT DATES:

- ❖ Abstract Submission Deadline : 03-02-2025
- ❖ Notification of Acceptance-Abstract : 10-02-2025
- ❖ Notification of Acceptance- Full Paper : 10-03-2025
- ❖ Submission of Final Manuscripts : 15-03-2025
- ❖ Registration Opens : 20-12-2024
- ❖ Registration Deadline : 15-03-2025
- ❖ Conference Dates : 21st & 22nd, March 2025

International participants are allowed to register for online presentations.

FULL LENGTH PAPER SUBMISSION

Authors are requested to submit their full-length manuscript in the given format after creating an account on conference webpage

Contact Email: icafd2025@gmail.com

Registration:
Category Regular Registration Student
(Indian) **Rs. 1000/-**
Other Indian Delegates **Rs. 1500/-**
International Delegates **USD 50**

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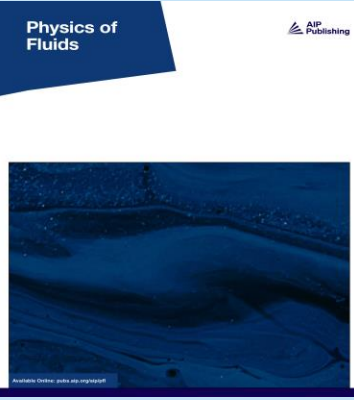
PUBLICATION

Abstract of the papers presented at this conference shall be published as a proceedings in book form. Authors of selected papers from IAFD-2025 will be invited to submit an extended and improved version for consideration in **PHYSICS OF FLUIDS** An International Journal after reviewing as per the journal standards.

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Lalbagh