



1st INTERNATIONAL CONFERENCE

ON

'ADVANCES IN FLUID DYNAMICS' (IAFD-2025)

21st & 22nd March, 2025



Organized By:

Mathematics Department in Association with Research and Innovation, Sapthagiri NPS University

#14/5, Chikkasandra , Hesarghatta Main Road, Bengaluru – 560057

ABOUT 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 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 hosting 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 peer review 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 & Director NanoCorr, Energy & Modelling, Bournemouth U K.
- ❖ Dr. Kanchana C , Universidal de Tarapa, Chile.
- ❖ Dr. M Sankar, Head, R&C,UTAS-Ibri, Sultanate of Oman.
- ❖ Dr. Sivasankaran Sivanandam, Professor, King Abdulaziz University, Saudi Arabia.
- ❖ Dr. Rushi Kumar B, Professor, VIT, Vellore, 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, Editor-in-Chief, Physics of Fluids, University of Nevada, Reno, USA
- ❖ Dr. Mona Kanso, Postdoctoral Associate, Chemical Engineering Dept, Massachusetts Institute of Technology, USA
- ❖ Dr. Monica Naccache, Associate Professor, Associate Editor, Physics of Fluids, Pontificia Universidade Catolica do Rio de Janeiro (PUC-RIO), Brazil.
- ❖ Dr. Natalie Germann , Professor, Deputy Editor, Physics of Fluids, University of Stuttgart, Germany
- ❖ Dr. O. D. Makinde, Professor, Military Science, Stellenbosch University, South Africa
- ❖ Dr. Ram Balachandar, Professor, Engineering and Technology, Canada

CHIEF PATRONS

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

KEY UNIVERSITY OFFICIALS

- Dr. Jayanthi V, Honorable Vice-chancellor, SNPSU
- Dr. H Rama Krishna, Registrar, SNPSU

CONFERENCE CHAIR

- Dr. Ramesh C S
- Dean R & I SNPSU

CONFERENCE CO-CHAIR

- Dr. Kalaiarasan
- Dean School Of Engineering, SNPSU

CONVENER

- Prof. Parshwanath P
- HOD Mathematics, SNPSU

ORGANIZING SECRETARY

- Dr. Manoj Kumar C N
- Asst Prof, Maths, SNPSU

TECHNICAL COMMITTEE

- Dr. Saravanan V, Asst Prof, Maths, SNPSU
- Dr. Vinodh K S, Asst Prof, Maths, SNPSU
- Mr. Yogesh V, Asst Prof, Maths, SNPSU

ORGANIZING COMMITTEE

- Dr. Niranjan C M, Asso Prof, Maths, SNPSU
- Dr. Jyothi Prasad Gorantla, Asso Prof, Maths, SNPSU
- Dr. Shazia Banu W, Asst Prof, Maths, SNPSU
- Dr. Surekha Desai, Asst Prof, Maths, SNPSU
- Dr. Shilpa G, Asst Prof, Physics, SNPSU
- Mr. Jagadish Angadi, Asst Prof, Maths, SNPSU
- Mrs. Sumitra Devi M R, Asst Prof, Maths, SNPSU
- Mrs. Kayalvizhi P, Asst Prof, Maths, SNPSU
- Mr. Santhosh H C, Asst Prof, Maths, SNPSU
- Mrs. Shwetha B S, Asst Prof, Maths, SNPSU
- Ms. Anitha M, Asst Prof, Maths, SNPSU
- Ms. Harshitha M V, Asst Prof, Maths, SNPSU
- Mrs. Mamatha C S, Asst Prof, Maths, SNPSU
- Mrs. Sushma P M, Asst Prof, Maths, SNPSU
- Mrs. Pushpa S, Asst Prof, Maths, SNPSU
- Mrs. Rachana R, Asst Prof, Maths, SNPSU
- Mrs. KVRR Gari Neeraja, Asst Prof, Maths, SNPSU
- Ms. Srivalli M R, Asst Prof, Maths, SNPSU
- Mrs. Chaitra C N, Asst Prof, Maths, SNPSU
- Mrs. Supreetha C M, Asst Prof, Maths, SNPSU
- Mr. Jayarama H R, sst Prof, Maths, SNPSU
- Ms. Shravani V, Asst Prof, Maths, SNPSU
- Ms. Bhavitha B G, Asst Prof, Maths, SNPSU
- Mrs. Deepika R, Asst Prof, Maths, SNPSU

IMPORTANT DATES

- ❖ Abstract Submission Deadline : 03-03-2025
- ❖ Notification of Acceptance-Abstract : 10-03-2025
- ❖ Notification of Acceptance- Full Paper : 12-03-2025
- ❖ 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 the conference webpage

Contact Email: icafd2025@gmail.com

Registration

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



<https://forms.gle/qKm7xzEoiwa9oRB6>

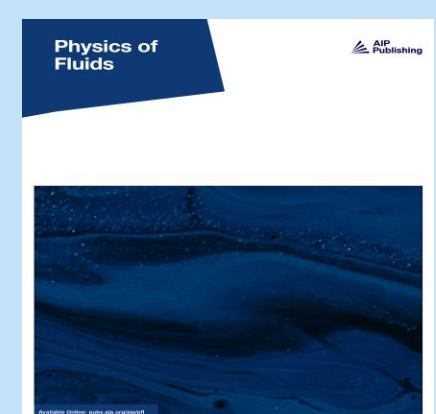
PUBLICATION

Abstracts 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.

CONTACT

manoikumarcn@snpsu.edu.in
+91 9886279543

PUBLISHING PARTNER



<https://pubs.aip.org/aip/pof>



Vidhana Soudha



Lalbagh