



FMFP 2014

5th International and 41st National Conference on Fluid Mechanics and Fluid Power

12th December to 14th December, 2014



Welcome to FMFP-2014:

The National Society for Fluid Mechanics and Fluid Power (FMFP) is a registered Society that has been functioning quite successfully over the past 42 years. One of the Society's main activities is to conduct the annual Fluid Mechanics and Fluid Power (FMFP) Conference. Once in four years, the conference is organized at the international level. The aim of the conference is to bring together national and international experts on a common platform and share the state of the art on various topics related to fluid mechanics and fluid power. The previous editions of the international conference were held at IIT Delhi, IIT Roorkee, IIT Bombay and IIT Madras. The next international conference will be held at [IIT Kanpur](http://www.iitk.ac.in/fmfp14) from December 12th to December 14th, 2014.

Important Dates:

Abstract submission opens	1st January 2014
Abstract submission deadline	15th February 2014
Abstract acceptance notification	10th March 2014
Submission of full length draft paper for review	19th May 2014
Author notification of draft paper acceptance	19th July 2014
Submission of revised draft paper for review (if required)	31st July 2014
Notification of final acceptance	25th August 2014
Submission of final paper	15th September 2014
Early bird registration deadline	15th October 2014
Date of Conference	12th -14th December 2014

Registration:

Indian participants:

Registration fee includes conference kits, tea/coffee and food.

Registration Fee	Academic Institute (Rs.)	Industry/R&D Organization (Rs.)	Students (Rs.)	Accompanying Person (Rs.)
Before Oct. 15, 2014	7,000/-	10,000/-	3000/-	3500/-
After Oct. 15, 2014	9,000/-	12,000/-	4000/-	4000/-

Indian participants (FMFP Members):

Registration fee includes conference kits, tea/coffee and food.

Registration Fee	Academic Institute (Rs.)	Industry/R&D Organization (Rs.)	Accompanying Person (Rs.)
Before Oct. 15, 2014	6,000/-	9,000/-	3000/-
After Oct. 15, 2014	8,000/-	11,000/-	3500/-

Food (Breakfast, Lunch & Dinner) will be provided from 12th December to 14th December 2014.

Foreign participants:

Registration fee includes conference kits, tea/coffee and food (Breakfast, Lunch & Dinner) from 12th-14th December 2014.

Category	Before Oct. 15, 2014	After Oct. 15, 2014
Regular	USA \$ 350	USA \$ 400
Students	USA \$ 200	USA \$ 250
Accompanying Person	USA \$ 150	USA \$ 200

Accommodation:

All registered participants are expected to stay together in the Institute Guest House at nominal cost, during the conference. Sharing preferences may be indicated during the online registration process. Depending on the availability of rooms against the demand, outside accommodation will be arranged in hotels. Student participants will be accommodated in post-graduate hostels of the institute. More details about the accommodation will be provided in the conference website in future.

Conference Details:

Language: The official language of the FMFP-2014 is English.

Venue: The venue of the conference is the campus of Indian Institute of Technology Kanpur, Kanpur, India. Lectures/ Presentations/ sessions will be held in the Lecture Hall Complex located inside the campus.

Topics/Tracks: (a) Fundamental Issues and Perspectives in Fluid Mechanics, (b) Measurement Techniques and Instrumentation, (c) Computational Fluid Dynamics, (d) Instability, Transition and Turbulence, (e) Turbomachinery, (f) Multiphase flows, (g) Fluid-structure interaction and flow-induced noise, (h) Microfluidics, (i) Bio-inspired fluid mechanics, (j) I. C. Engines and gas-turbines, (k) Specialized topics: (1) Non Newtonian flows, (2) Transport phenomena in materials processing and manufacturing processes, (3) MHD and EHD flows, (4) Granular flows, (5) Power plant engineering, (6) Nuclear reactor thermal hydraulics.

Instructions for Authors:

Original research articles broadly within the scope of the conference topics, written in English language, are solicited. Authors will have to sign a declaration of originality at the time of final submission. Paper submission process involves the following two stages:

Stage #1: Preliminary Paper (Extended Abstract) Submission:

- The authors submit an extended abstract before the deadline.

Stage #2: Full Paper Submission:

- The authors submit the final manuscript before the deadline.
- The maximum page limit for full paper is 10 pages.
- Format of the Extended Abstract and full paper are available in conference website.
- All full-length manuscripts accepted by the conference technical committee, will be available in electronic format at the time of the conference.
- At least one of the authors must register and present his/her work per full-length paper/poster.

Invited Speakers:

Prof. E. J. Gutmark, University of Cincinnati, USA

Prof. M. Hanif Chaudhry, University of South Carolina, USA

Prof. S. "Bala" Balachandar, University of Florida, USA

Prof. Haecheon Choi, Seoul National University, South Korea

Prof. Jocelyn Bonjour, CETHIL, France

Prof. Sumanta Acharya, Louisiana State University, USA

Prof. Markus Raffel, DLR, Germany

Prof. M. G. Worster, University of Cambridge, UK

Details of the Conference are available at:

<http://www.iitk.ac.in/fmfp14>



Organized by:

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