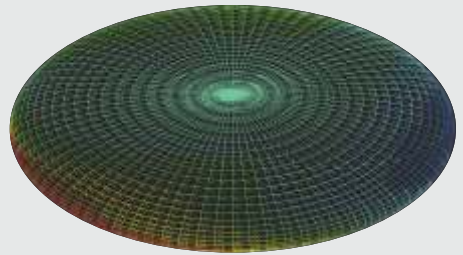


INTERNATIONAL CONFERENCE
on
*Fluid Dynamics
and its applications*

July 12 - 14, 2017
(Wednesday, Thursday & Friday)



Organized by
Department of Mathematics



Vidyaya Anantam Akhutho

B. N. M. Institute of Technology

(Approved by All India Council for Technical Education & Affiliated to Visvesvaraya Technological University, Karnataka and ISO 9001: 2008 Certified Institution)

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About B N M Institute of Technology (BNMIT)

BNMIT is one among a handful of engineering colleges which is located in the heart of the city of Bengaluru. It is situated in Banashankari II stage, a quiet and well known locality of the city with good access to all essential facilities. The calm and serene campus is set in lush, landscape gardens and enveloped by hundreds of trees away from traffic, best suited for pursuit of excellence in studies.

During the last decade, BNMIT has done exceedingly well in academics to be bracketed among the top five colleges of Karnataka. BNMIT has highly qualified and experienced faculty and attracts the best of students. Excellent performance in academics, cultural and sports events is the hallmark of the institution. College has the distinction of its students getting ranks every year. BNMIT offers undergraduate Engineering courses in Electronics & Communication Engineering, Electrical & Electronics Engineering, Computer Science & Engineering, Information Science & Engineering and Mechanical Engineering branches. BNMIT also offers a Master's Degree in Electronics & Communication Engineering, Electrical & Electronics Engineering, Computer Science & Engineering and Master of Business Administration.

BNMIT has Research & Development centers in the Department of Electronics & Communication Engineering, Electrical and Electronics Engineering, Computer Science & Engineering, Physics, Chemistry, Mathematics and Master of Business Administration. With a good industry - academia interaction, BNMIT is regularly organizing national and international level workshops and conferences and has received high appreciation from all quarters for its academic standard. Many top companies regularly visit the campus for placement.

Department of Mathematics

The Department has full fledged, experienced and academically oriented faculty. The faculty members are involved in sustained developmental programmes and also participate in conferences and workshops for upgrading their knowledge. The Department has a Research Centre recognized by Visvesvaraya Technological University, Belgaum, Karnataka. The Department is actively engaged in research areas of Fluid Mechanics and Graph Theory. Three faculty members have received the doctoral degree and fourteen students are pursuing research towards their doctoral degree in the research centre. The Department has also successfully conducted international conferences and symposia on mathematical topics relevant to Engineering. It has hosted the 52nd Congress of the Indian Society of Theoretical and Applied Mechanics (ISTAM-An International Meet) in collaboration with Indian Institute of Technology, Kharagpur and also organized two other International Conferences.

About the Conference

This conference intends having deliberations on modeling deterministic systems as well as stochastic systems. The experience of various researchers working on fluid dynamics is intended to be brought to the audience comprising of many young researchers so that they get to know the state of the art in the field of fluid dynamics. It is intended that on participation in the conference the participants get a better knowledge to use mathematical techniques to analyze complex systems. The theoretical topics together with real life examples from various fluid dynamical problems are planned for presentation and discussion. Some of the topics likely to be covered by the eminent speakers are *convection using Lorenz and Ginzburg-Landau models, atmospheric convection and pollution, microgravity convection, nonlinear stability, newer methods of solving nonlinear equations like the homotopy analysis method, differential transform method, mathematical packages available for solving nonlinear ordinary & partial differential equations, dynamical systems, numerical methods like Kantorovich-Galerkin, boundary element and such other methods.*

Speakers from premier institutions in India and abroad with a vast knowledge in the field of fluid dynamics and who have been quite active in the field for a long time will be delivering the invited talks. A good number of young researchers are part of the list of speakers. The conference provides a platform for mutual dissemination of ideas on fluid dynamics between Indian and Foreign researchers, both young and old, cross-continental, intra-continental and intra-national collaboration are intended to be initiated as a by-product of the conference. Researchers working on nonlinear problems may greatly benefit from the outcome of the conference and continue further with investigation of more meaningful problems. The main stake-holders are those interested in understanding and solving fluid dynamics problems.

Call for Papers

Papers are invited on topics related to the theme of the conference.

Important Dates

Last Date for Registration &
Submission of Abstract:

31st March 2017

Submission of full length paper:

10th April 2017

Submission of Abstract of Papers and Registration Form

All participants presenting papers in the conference should prepare an abstract of about 250 words. The paper must be presented by the author or co-author only. The copy of abstract along with the completed registration form and registration fee should be sent to **Dr. S. Manjunath, Program chair** on or before 31st March 2017.

A soft copy of the abstract as well as the paper should be sent by e-mail to hodmathematics@bnmit.in / smanjunath@bnmit.in. Reviewed papers will be published in the printed Conference proceedings. Consultation with reputed publishers like Springer is in progress. Paper presentation is not mandatory for participation in the conference.

Registration Fee: Rs. 3000/-for Indian Delegates (including teachers who are pursuing Ph.D.) & US \$200 for Foreign Delegates. Indian students will have to pay Rs.1000/- and foreign students US \$100 as registration fee.

Mode of Payment

Demand Draft in favor of **BNMIT – MATHS** payable at Bengaluru, Karnataka State, India.

Online Transfer:

Account Name : **BNMIT-MATHS**

Account Number : **1147101032831**

IFSC Code : **CNRB0001147**

Bank Name & Address : **Canara Bank, Banashankari II Stage,
Bengaluru, Karnataka, India**

Guidelines to Authors

Researchers should submit the papers in the following format: 5 to 10 pages, in single column, 1.5 lines spacing, 12 point Times New Roman font, in A4 paper that also include illustration. The first page should include the paper title, authors' names, affiliation, postal address, e-mail, a brief abstract. References involving journals must follow the structure of: Authors' name, year of publication, title, name of the journal, volume number and page number. References involving text books must follow the structure of: Authors' name, year of publication, title, name of publisher.

Lodging, Boarding, Financial Support & Tourism

Lodging arrangements for the participants will be made in Hostel on request. For hotel accommodation, please contact the program chair. Financial support cannot be assured to the participants at the present time. Individual or group request of arrangement for tourism may be considered by the local organizing committee depending on the demand at the time of the conference.

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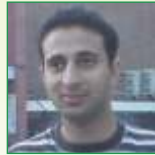


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