

**NATIONAL CONFERENCE ON
COMPUTATIONAL MODELING OF FLUID
DYNAMICS PROBLEMS (CMFDP-2019)**

Organized by
Department of Mathematics, NIT Warangal
January 18 - 20, 2019

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Prof. D. Srinivasacharya , Head of the Department & Conference Chair	Dr. Ch. Ramreddy , Assistant Professor Conference Coordinator
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**NATIONAL CONFERENCE ON
COMPUTATIONAL MODELING OF
FLUID DYNAMICS PROBLEMS
(CMFDP-2019)**

In memory of late Prof. T.K.V. Iyengar
on the eve of his birth anniversary
(Self-Financed)

JANUARY 18- 20, 2019



Conference Chair
Prof. D. SRINIVASACHARYA
Head of the Department

Conference Coordinator
Dr. CH.RAMREDDY



Organized by
DEPARTMENT OF MATHEMATICS
NATIONAL INSTITUTE OF TECHNOLOGY
Warangal-506 004
Telangana State, India.

OBJECTIVE

This conference is expected to be attended by researchers and faculty to exchange innovative ideas, methods and results, and visions of the future related to advanced concepts in computational modeling of fluid dynamics problems. This conference will focus on the presentation and discussion computational modeling aspects in heat and mass transfer, fluid dynamics and porous media. In addition to the paper presentations there will be invited talks on latest areas/topics of research. The deliberations at the conference are expected to influence the current researchers regarding their academic pursuits.

TOPICS OF INTEREST

A wide range of topics related to classical and emerging areas of computational modeling of fluid dynamics problems will be welcome. Topics include but are not limited to

- **Newtonian and Non-Newtonian fluid flows**
- **Transport phenomena in porous media**
- **Convective Heat and Mass Transfer**
- **Laminar, Turbulent and Complex flows**
- **Micropolar, Couple Stress and Nanofluid flows**
- **Numerical Modeling of the problems in Fluid & Biofluid Mechanics**

CALL FOR PAPERS

Authors are invited to **submit the Full Papers**, not exceeding 6-pages in MS word format (soft copy) and neatly typed on A-4 size paper. Each manuscript will undergo a peer review process. The contributed papers must be original and should not have been published/accepted in journals/proceedings.

Upon the notification of acceptance, the author will have to submit final copy of the manuscript of the paper, copyright transfer agreement and registration fee and registration form on or before the last date.

CMFDP-2019 is planning to bring out Conference Proceedings and in the form of a special issue of journal form from a reputed publisher with SCOPUS /SCI/Web of Sciences indexed. Plagiarism in any form is unethical and unacceptable. In order to ensure that the content submitted is original and trustworthy, a similarity check will be done.

BEST PAPER PRESENTATION AWARD

"Best Paper Presentation Awards" will be conferred on the selected author(s) of full papers presented at the conference.

IMPORTANT DATES

Submission of Full Paper	10 th Dec, 2018
Acceptance of full length paper	20 th Dec, 2018
Final Paper (Camera Ready)	
Submission & Registration	25 th Dec, 2018

REGISTRATION FEE

Delegates from Academic and R & D Institutions	Rs. 3000/-
Delegates from Industry	Rs. 5000/-
Students/Research Scholar	Rs. 2500/-
Foreign Participants	USD 250
Foreign Students	USD 200

Registration fee includes Conference kit, Conference Buffet, Lunch, Dinner and Refreshments.

Mode of payment (Online transfer/Demand Draft)

Account Name	: Conference Chair
Account No	: 37494838784
Name of the Bank	: State Bank of India
Branch	: REC Warangal (NIT Campus)
Branch Code	: 20149
IFSC Code	: SBIN0020149
MICR Code	: 506002030

DD is to be drawn in favor of "**Conference Chair**" payable at Warangal.

The filled in registration form along with the DD/Online Receipt should be sent to:

Conference Chair, CMFDP - 2019,
Department of Mathematics,
National Institute of Technology Warangal,
Warangal-506 004, Telangana State, India.
Phone: 09849187249(DSC) / 09491824301 (CHRR),
E-mail: cmfdp2019.nitw@gmail.com; dsc@nitw.ac.in;
chramreddy@nitw.ac.in

ACCOMMODATION

Limited accommodation may be provided on payment basis in the Institute Visitors Block/DASA Hostel depending on availability and on first come first serve basis. However, Warangal city covers a wide range of hotels and other accommodation facilities to suit every budget. Participants are advised to contact the hotels directly and book their accommodation. However, in case of difficulty, we will assist on your prior request.

ABOUT THE DEPARTMENT

The Department of Mathematics is a highly reputed Department which functions with excellence as its motto. The Department was started in the year 1959 along with other Engineering and Science Departments, and has established itself as a dynamic center for academic and research activities. In addition to the teaching of courses in Mathematics for B.Tech. and M.Tech. Programs, the Department offers two P.G. Programs, M.Sc.(Applied Mathematics) and M.Sc.(Mathematics and Scientific Computing). The faculty is actively engaged in Research in diverse fields such as Fluid Dynamics, Bio Mechanics, Numerical Analysis, Differential Equations, Finite Element Method, Operations Research, Functional Analysis, Linear Algebra, Cryptography and Coding Theory. At present, 20 Research Scholars are working for their Ph.D. The Department has a full-fledged computation laboratory to meet the requirements of the M.Sc. students, research scholars and the faculty. The Department has so far produced 105 Ph.D.'s and conducted more than 53 Conferences/Seminars/Workshops/STTP's, two international conferences and Three GIAN programs. AICTE recognized the Department as QIP center for Ph.D. It is proud to say that Department of Mathematics at NIT Warangal has identified as National Resource Centre for Mathematics to develop online courses to train faculty within India.

ABOUT THE INSTITUTE

The National Institute of Technology (formerly Regional Engineering College), Warangal, established in the year 1959, is the first among the 31 NIT's in the country setup as joint venture of the Government of India and the state government. NIT Warangal is consistently ranked among top 10 technical institutions in the country. The institute offers 8 Under Graduate Programs in Engineering and 29 Post Graduate Programs leading to M.Tech, M.Sc, M.Sc.(Tech.), MCA and MBA degrees. All the Departments of the institute conduct research programs leading to Ph.D. degrees. It is located on the Hyderabad – Warangal National Highway at a distance of 3 kms from Kazipet Railway station and 12 kms from Warangal Railway station. Participants are advised to alight either at Kazipet or Warangal depending upon the train of travel. Warangal is about 135 kms from Hyderabad, the capital of Telangana State. It is well connected by rail and road.