

2<sup>nd</sup> INTERNATIONAL CONFERENCE ON  
NUMERICAL HEAT TRANSFER AND  
FLUID FLOW (NHTFF-2020)

Organized by

Department of Mathematics, NIT Warangal

January 17 - 19, 2020

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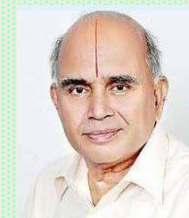
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2<sup>nd</sup> INTERNATIONAL CONFERENCE ON  
NUMERICAL HEAT TRANSFER AND  
FLUID FLOW (NHTFF-2020)

In memory of late Prof. T. K. V. Iyengar  
on the eve of his birth anniversary



January 17 - 19, 2020



**Conference Chair**

Prof. D. SRINIVASACHARYA

**Conference Coordinator**

Prof. J. V. RAMANA MURTHY

**Conference Secretary**

Dr. CH. RAMREDDY

Organized by

DEPARTMENT OF MATHEMATICS

**NATIONAL INSTITUTE OF TECHNOLOGY**

Warangal-506 004

Telangana State, India.

## OBJECTIVE

Heat transfer and fluid flow problems are encountered in various domains, including heat exchangers, electric and microelectronics cooling, automotive and aerospace, air conditioning, fuel cells cooling, building engineering as well as conversion of renewable energy.

The objective of this conference is to bring together researchers in a forum to exchange innovative ideas, methods and results, and visions of the future related to the general theme of computational methods in heat and mass transfer. This conference will focus on the presentation and discussion of analytical, numerical and experimental methods used in the study of heat transfer and fluid flow problems.

## TOPICS OF INTEREST

A wide range of topics related to classical and emerging areas of computational methods in heat and mass transfer, and fluid flows for both steady and transient states will be welcome. Topics include but are not limited to

- **Finite element, Finite difference, Finite volume and Spectral methods**
- **Fluid Mechanics, Heat Transfer and Thermodynamics**
- **Multiphase and Non-Newtonian fluid flows**
- **Micropolar, Couple stress and Nanofluid flows**
- **Biofluid Mechanics**
- **Turbulent and Complex flows**
- **Numerical methods in fluid flow and heat transfer**
- **Transport phenomena in porous media**

## CALL FOR PAPERS

Authors are invited to **submit the Full Papers**, not exceeding 8-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.

**NHTFF – 2020 is planning to bring out Conference Proceedings in the form of a special issue of journal/book from a reputed publisher with SCOPUS/SCI/SCIE/ESCI/Web of Science index. 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.**

## IMPORTANT DATES

Submission of Full Paper	30 <sup>th</sup> Nov, 2019
Acceptance of full length paper	15 <sup>th</sup> Dec, 2019
Final Paper (Camera Ready)	
Submission & Registration	25 <sup>th</sup> Dec, 2019

## BEST PAPER AWARD

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

## REGISTRATION FEE

Delegates from Academic and R & D Institutions	Rs. 4000/-
Delegates from Industry	Rs. 6000/-
Students/Research Scholar	Rs. 3000/-
Foreign Participants	USD 300
Foreign Students	USD 200

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

## Mode of payment (Online transfer/Demand Draft)

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## About Prof. T. K. V. IYENGAR

He was an eminent Professor of Mathematics who contributed for the development of the Department. His area of research is fluid mechanics. He has produced ten Ph.D's and published more than seventy five research papers in international Journals of high repute. He has widely lectured on diverse topics at various institutes of higher learning. He is one amongst those who could lecture for all levels of listeners. Versatile in diverse fields, he is associated with RECW/NITW for over 44 years in different capacities like Head of the Department, Dean(Students) Affairs) and Member of the Board of Governors.

He has received A.P. Scientist Award (2002) from APCOST and Best Teacher Award (2003) from A.P. Govt. He was President of APSMS (2004) and President of ISTAM (2006). He expired on 15.02.2017

## ACCOMMODATION

Limited accommodation may be provided on payment basis in the Institute Visitors Block depending on availability and on first come first serve basis.

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 (see the conference website for details). However, in case of difficulty, we will assist on your prior request.

## ABOUT THE DEPARTMENT

The Department of Mathematics is a highly reputed Departments 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). At present, 22 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.

## 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. Over the years the college has established itself as a premier Institution imparting technical education of a very high standard. 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.