

International Conference on Computational Modeling in Science and Engineering (ICCMSE-2023)

(On the eve of superannuation of Prof. Y. N. REDDY)



XXXII CONGRESS OF APTSMS

OCTOBER 28 - 30, 2023

Organized by

Department of Mathematics, National Institute of Technology Warangal

In association With

Andhra Pradesh & Telangana Society for Mathematical Sciences (APTSMS), Hyderabad

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PAPER SUBMISSION WEBSITE

To submit the paper, register yourself on the website
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Login with the registered credentials and then click on create new submission
Conference website:
<http://cms.nitw.ac.in/conference/iccmse2023/>

IMPORTANT DATES

Submission of Full Paper	31st Aug, 2023
Acceptance of full-length paper	20th Sept, 2023
Final Paper (Camera Ready) Submission	10th Oct, 2023
Registration	10th Oct, 2023

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.

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 service courses, institute level PhD and minor course, the Department offers two P.G. Programs, M.Sc. (Applied Mathematics) and M.Sc. (Mathematics and Scientific Computing) and one Integrated MSc (Mathematics) program. The department offers PhD degree and at present, 50 Research Scholars are working for their Ph.D.

OBJECTIVE

The objective of this international conference is to bring together academicians, researchers and leading scientists to exchange innovative ideas, methods and results, and discuss recent developments and visions of the future related to the general theme of computational modeling in science and engineering. This conference will focus on the invited talks on latest areas, presentation and discussion of most recent innovations, trends and concerns, practical challenges encountered and its relevance in science and engineering. The deliberations at the conference are expected to influence the current researchers regarding their pursuits. This conference is arranged in honor and on the eve of superannuation of Prof Y.N. Reddy.

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 paper, copyright transfer agreement and registration fee on or before the last date.

ICCMSE - 2023 is planning to bring out Conference Proceedings in a book (free of cost) by SPRINGER / CAMBRIDGE PRESS or a special issue of SCOPUS/SCI indexed journal with APC. 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.

TOPICS OF INTEREST

Topics of the conference, but are not limited to, are the following:

- **Mathematical Modeling & Differential Equations**
- **Fluid Mechanics, Computational Fluid Dynamics, Heat Transfer and Thermodynamics,**
- **Mathematical Biology**
- **Mathematical, Complex & Functional Analysis**
- **Operator theory, Number theory, Graph Theory**
- **Algebra, Linear Algebra, Cryptography, Networks**
- **Financial and Industrial Mathematics,**
- **Fuzzy Sets & Logic, Optimization & Control**

BEST PAPER AWARD

To encourage the young researchers below the age of 35 years, Prof. Meenakshi Sundaram Memorial Best Paper in Applied Mathematics & Prof U.M. Swamy Best Paper award in Mathematics will be given as per following rules

1. The paper should be of a single author with novel ideas.
2. The author shouldn't exceed the age limit of 35 years by 30-01-2023
3. The full-length paper along with the abstract should be sent to General Secretary, APTSMS

REGISTRATION FEE

Category	Non-Members of APTSMS	Members of APTSMS
Delegates from Academic and R & D Institutions	Rs. 3000/-	Rs. 2500/-
Students/Research Scholar	Rs. 2000/-	Rs. 1500/-
Only Participation/Accompanying person	Rs. 2000/-	Rs. 1500/-
Delegates from Industry		Rs. 8000/-
Foreign Delegates		USD 200/-

The registration fee excludes the paper publication cost

Account Name	Conference Chair	The filled in registration form along with the DD should be sent to: Conference Chair, ICCMSE-2023, Department of Mathematics, National Institute of Technology, Warangal-506 004, Telangana State, India. E-mail: chair_cmse2023@nitw.ac.in
Account No	37494838784	
Name of the Bank	State Bank of India	
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ABOUT Prof. Y. N. REDDY

Prof. Yanala Narsimha Reddy, born on 9th October 1958 has obtained B.Sc. in 1980 from Osmania University, Hyderabad and M.Sc. in 1982 from REC Warangal. He has obtained Ph.D. in Mathematics from IIT Kanpur in 1986. He had served at BITS Pilani for 3 years and at NIT Nagpur for 3 years. He joined REC Warangal in 1992. Then he was elevated to the position of Professor in 2003. His research area is Numerical Analysis and published 124 research papers in the reputed International journals and guided 13 Ph.D.'s. He has visited USA and UK. He is a Member Board of Studies of several NIT's and Universities. Prof. Reddy has served as Head of the Mathematics Department for 2 times, Registrar of NIT Warangal for 2 times and presently Dean, Faculty Welfare. He was awarded the BEST Faculty Award in 2016.

Felicitations to Prof Y. N. Reddy on the eve of his superannuation is scheduled on 29/10/2023

ABOUT APTSMS

The Andhra Pradesh Society for Mathematical Sciences (APSMS) was found three decades ago with initial efforts of Late Prof. N.Ch. Pattabhi Ramacharyulu, the then Professor of Mathematics, Regional Engineering College, Warangal, and Prof. P.V. Arunachalam, the then Professor of Mathematics, Sri Venkateshwara University, Thirupathi, & Former Vice Chancellor, Dravidian University. Since its inception, the APSMS has grown in size and importance. It has been successfully and successfully organizing its annual congresses, providing a forum for research workers, young and old, to present their findings and for reviewing the state of the art in their specialized areas of Mathematical sciences besides bringing together academics for camaraderie and intellectual interaction. APSMS has been renamed as APTSMS (Andhra Pradesh Telangana Society for Mathematical Sciences) in 2018. For list of Endowment lectures of APTSMS and other details, please visit aptsms.org

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Last date for submission of full-length paper is 31st August 2023