



HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)



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SYMPHONY

CMSAE 2021 - Virtual Conference

Conference on Mathematical Sciences and Applications in Engineering

9th & 10th December 2021

Organized by
Department of Mathematics
Hindustan Institute of Technology & Science
Padur, Chennai, India

In association with



Website



Registration



ABOUT THE INSTITUTION

Hindustan Institute of Technology & Science (HITS) is a prestigious institution accredited with an "A" grade by NAAC, Govt. of India. QS, the reputed international ranking agency has awarded an overall rating of 3 stars to the institution with a 5-star rating for Faculty, Employability, Facilities, Innovation and Inclusiveness. HITS has completed over three decades of dedicated service to the nation. It has cosmopolitan ambiance with high calibre and learned faculty, who are thought leaders, consultants, technology implementers and inventors. The institution is driven by the virtuous vision of the founder chairman, Late Dr. K.C.G. Verghese, "To Make Every Man a Success and No Man a Failure", and is devoted to the excellence in research, teaching and learning. It lays significant emphasis on quality, educational standards that meet demands of the global workforce, and instills the attitude of lifelong learning in the students.

ABOUT THE DEPARTMENT

The department of Mathematics under the School of Science and Humanities was established in 1985. The department integrates all the branches of Engineering by imparting the course on Engineering Mathematics in UG and PG level. The department offers M.Phil and Ph.D programme. It comprises of well-qualified and experienced faculty. The objective of the department is to train students in the innovative field of Applied Mathematics inculcating the concepts of computing, optimizing, grouping, classifying, testing and applying various tools of Mathematics in the field of Engineering and Technology.

THE LOCATION

Hindustan Institute of Technology and Science is located at Padur about 22 kms, south of Chennai, on Rajiv Gandhi Salai (Old Mahabalipuram Road). The academic atmosphere has been conducive to a calm and productive system. The Institution is well connected to the city by public transport buses. Apart from this, the institution operates its own fleet of transport for the convenience of students and staff.

CONFERENCE THEME

The purpose of this conference is an earnest attempt to create the right interface for the exchange and dissemination of new ideas and techniques among the young researchers in various fields of Mathematics applied to Engineering and Technology. The programme consists of plenary, invited talks as well as contributed paper presentations on various technical aspects of different research areas. The primary goal is to provide directions for future research and development by identifying key problems and their solutions. This conference also shows a new direction among the research communities across the nation to discuss the most recent innovations, practical challenges encountered and the solutions adopted on the proposed conference theme. Also, it provides an opportunity for the young researchers and students to know about the recent trends and its applications in the modern society. The inspiring lectures of this conference give some novel ideas to the research society of our nation.

CALL FOR PAPERS

Topics of interest for the conference include but are not limited to:

- Real, Complex, Functional Analysis
- Numerical Analysis
- Topology
- Fuzzy Analysis
- Differential Equations
- Graph Theory
- Combinatorics
- Game Theory, Decision Theory, and Utility Theory
- Number Theory
- Probability
- Mathematical Modelling
- Linear Algebra
- Fluid Dynamics
- Operations Research
- Optimization

PAPER SUBMISSION PROCEDURE

Original research papers focusing on the above thrust areas are invited for submission. Full length manuscripts should be submitted through EasyChair at the website <https://easychair.org/conferences/?conf=cmsae2021>

Selected papers of the authors must register prior to the deadline and at least one author must present the paper at the conference.

AWARDS

- Three awards, namely, "The Best Paper", "The Best Student Paper", "The Best Paper Presenter" will be awarded
- A paper is eligible for the Best Student Paper if the paper is presented by an author, who is a full-time student.

PUBLICATION

- All accepted papers will be published in any one of the following:

AIP conference proceedings -

<https://aip.scitation.org/journal/apc>

Journal of Interdisciplinary Mathematics -

<https://www.tandfonline.com/toc/tjim20/current>

Journal of Information and Optimization Sciences -

<https://www.tandfonline.com/toc/tios20/current>

INVITED SPEAKERS

- **Dr. Roozbeh Hazrat**
Centre for Research in Mathematics and Data Science,
Western Sydney University, Australia.
- **Dr. Sanjeewa Perera**
Department of Mathematics,
University of Colombo, Sri Lanka.
- **Prof. Rodrigo Weber dos Santos**
Department of Computer Science,
Universidade Federal de Juiz de Fora, Brazil.
- **Dr. Novi H. Bong**
Department of Mathematics,
University of Delaware, Newark, USA.

- **Dr. Rama Bhargava**
Department of Mathematics,
IIT Roorkee.
- **Dr. S. Ponnusamy**
Department of Mathematics,
IIT Madras.
- **Dr. Sabyasachi Pani**
Department of Mathematics,
IIT Bhubaneswar.
- **Dr. Arvind Ayyer**
Department of Mathematics,
IISc Bangalore.

REGISTRATION FEES

National : Academia & Industry	Rs.2000
International : Academia & Industry	US\$200
National : Students	Rs.1000
International : Students	US\$100
Participation : National	Rs.500
International	US\$50

MODE OF PAYMENT

A Demand Draft must be drawn in favor of "Hindustan Institute of Technology and Science" payable at Chennai or through NEFT/RTGS transfer.

DETAILS FOR NEFT\RTGS TRANSFER

Name of Bank	Indian Overseas Bank
Branch	Padur
A/C Name	Hindustan Institute of Technology & Science
A/C No.	255402000000001
IFSC Code	IOBA0002554
MICR Code	600020191

IMPORTANT DATES TO REMEMBER

Full Length Paper Submission : Nov 30, 2021
Intimation of Accepted Manuscript: Dec 01, 2021
Last Date of Registration : Dec 03, 2021
Final Camera-Ready Paper : Jan 31, 2022
Conference : Dec 9 & 10, 2021

PROGRAMME COMMITTEE

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Patron

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Mr. Ashok Verghese - Director

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Dr. Angelina Geetha - Dean (E&T) Incharge

Dr. Uppu Ramachandraiah - Dean (Research Initiatives)

CONFERENCE CHAIR

Dr. A. Ramesh Babu - Professor & Head
(First year - E&T)

CONVENERS

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(Mathematics)

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Dr. G. Kavitha - Assistant Professor

Ms. M. Somasundari - Assistant Professor

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Dr. R. Deepana - Assistant Professor

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Centre for Research in Mathematics and
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University of Delaware, Newark, USA.

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Central University of Tamilnadu, India.

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Department of Mathematics,
Anna University, Chennai.

ADDRESS FOR CORRESPONDENCE

THE CONVENER, CMSAE 2021

**Department of Mathematics,
Hindustan Institute of Technology & Science,
Padur, Chennai - 603103.**

Mob: 9566272329, 9884180428

Email: cmsae2021@gmail.com

COORDINATORS

95912 02464 / 94442 96934 / 99628 82733