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Ms. Sheena Scaria - Assistant Professor

Important Dates

Last date of Extended abstract submission : **15.09.2024**

Intimation of Acceptance : **18.09.2024**

Last Date of Registration : **20.09.2024**



Conference Website

Contact

Dr. D. Piriadarshani, Conference Chair

Mobile: +91 9566272329 / +91 9884180428 | E-mail ID: hitsmaths@gmail.com



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



Department of Mathematics
Organizes

International Conference

on

Computational Mathematics and Advances in Modern Technology

Date: 16th - 18th October, 2024 Venue: Bay Range Campus, HITS

About HITS

Hindustan Institute of Technology & Science (HITS), is a leading prestigious and recognized institution in India, located at Chennai, Tamil Nadu, established in 1985, it offers a wide spectrum of Undergraduate, Postgraduate, Diploma, Research & Doctoral Programmes in diverse fields of Engineering, Technology, Architecture, Management, Law, Fashion Design, Aviation, Applied Sciences, Allied Sciences, and Arts and Sciences. HITS is recognised as Deemed to be University by UGC in 2008 and received Category - II status from MHRD which empowers HITS with Academic Autonomy. The technical courses at UG and PG levels are approved by AICTE. NBA has accredited seven undergraduate programmes offered by Aeronautical Engineering, Aerospace Engineering, Computer Science Engineering, Electronics and Communication Engineering, Information Technology, Electrical and Electronics Engineering and Mechatronics Engineering under Tier 1 category. HITS is a part of the most illustrious Hindustan Group of Institutions which caters to the academic needs of over 15,000 students. HITS is a prestigious Institution accredited with 'A+' Grade by NAAC, Govt. of India and B.Tech programmes accredited by IET.

About Conference

The objective of this international conference is to forge a seamless connection between the domains of mathematics and technology, fostering collaboration to propel progress and drive growth. Serving as a dynamic platform where the elegance of mathematical principles converges with the practicality of modern technology, this event effectively bridges the gap between academia and industry, aligning with Sustainable Development Goals such as Quality Education, Industry, Innovation, and Infrastructure, as well as Sustainable Cities and Communities.

Our central focus is on nurturing collaborations that push the boundaries of computational mathematics and technological innovation. Through engaging discussions, insightful presentations, and interactive sessions, our aim to illuminate the intricate connections between fundamental mathematical concepts and cutting-edge technologies.



Resource Persons



Prof. Ismail Naci Cangul
Department of Mathematics
Bursa Uludag University
Turkey



Prof. Samad Noeiaghdam
Department of Applied Mathematics
South Ural State University
Chelyabinsk, Russia



Prof. Paul Manuel
Department of Information Science
College of Computing Science & Engineering
Kuwait University, Kuwait



Prof. Wutiphol Sintunavarat
Faculty of Science and Technology
Thammasat University
Pathum Thani, Thailand



Prof. Broumi Said
Department of Mathematics
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Casablanca, Morocco



Prof. Uditha Prabhath Liyanage
Department of Statistics
and Computer Science
University of Kelaniya
Kelaniya, Sri Lanka



Prof. Sanjeewa Perera
Department of Mathematics
University of Colombo, Sri Lanka



Prof. Rama Bhargava
Department of Mathematics
IIT - Roorkee



Prof. R. Radha
Department of Mathematics
IITM, Chennai



Prof. Rajeeva Karandikar
Professor Emeritus
Department of Mathematics
Chennai Mathematical Institute (CMI)
Chennai



Prof. Suresh Singh
Department of Mathematics
University of Kerala
Kerala



Prof. C. Vijayalakshmi
Department of Statistics and
Applied Mathematics
Central University of Tamil Nadu
Thiruvavur, Tamil Nadu



Mr. Satheesh Rajamani
Senior Vice President & Head
Product Business Division
BGR Energy Systems Ltd., Chennai



Mr. Magesh Venkataramani
Executive Director
Deloitte Technology Consulting, Chennai

Thrust areas for submission

TRACK I: Pure Mathematics

- Algebra, Complex Analysis & Real Analysis
- Functional Analysis
- Geometry & Topology
- Fluid Mechanics
- Solid Mechanics
- Differential Equations

TRACK II: Applied Mathematics

- Graph theory
- Fuzzy Theory
- Operations Research
- Numerical Analysis

- Game theory
- Decision Theory
- Probability & Statistics
- Mathematical Modeling

TRACK III: Computer Science & Artificial Intelligence

- Data Analytics & Business Intelligence
- Machine Learning & Cyber Security
- Artificial Intelligence & Robotics
- Computational Modelling & Simulations
- Internet of Things
- Deep Learning
- Neural Networks
- Image Processing

- Computational Optimization
- Blockchain
- Cloud Computing & Edge Computing
- Cryptography

TRACK IV: Engineering and Technologies

- Power Electronics, Devices & Controllers
- Electrical Machines & Drives
- Smart Grid Research & Applications
- Communication Technologies & Research
- Industrial Innovation & Nanotechnology
- 5G/6G Network Evolution
- Advanced Design & Information Technologies

- Advanced Manufacturing
- Advanced Materials: Design, Processing, Characterization & Applications
- Advances in Aerospace Technology
- Biomedical & Biotechnology Engineering
- Conventional & Renewable Energy Technologies

Publications

All the selected papers after the Peer Review Process will be published in the Scopus Indexed Proceedings / Journals with Article Processing Charges (APC)

- Montes Taurus Journal of Pure and Applied Mathematics (MTJPAM)
- Journal of Mathematics and Statistics
- Springer Proceedings in Mathematics and Statistics
- Indian Journal of Technical Education (UGC care listed journal)

Registration Fee

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

Category	Students / Research Scholars	Faculty	Professional
Internal	1500 INR	2000 INR	-
External (National)	2000 INR	3000 INR	3500 INR
External (International)	100 USD		

Award Category

→ **BEST PAPER**

→ **BEST PRESENTATION**

