An International Conference on

Emerging Frontiers in Mathematical and Computational Sciences

October 24 - 26, 2024

(EFMCS - 2024)





DEPARTMENT OF MATHEMATICS
NORTH - EASTERN HILL UNIVERSITY
SHILLONG, MEGHALAYA, INDIA

North- Eastern Hill University (NEHU)

The North-Eastern Hill University (NEHU) was established in 1973 to disseminate and advance knowledge in the hilly areas of North Eastern Region of India. It has a special mandate to improve the socio - economic conditions and welfare of the people in these areas, particularly emphasizing their intellectual, academic, and cultural advancement. In the past 50 years, the University has rendered yeoman's service to these areas in fulfilling this mandate.

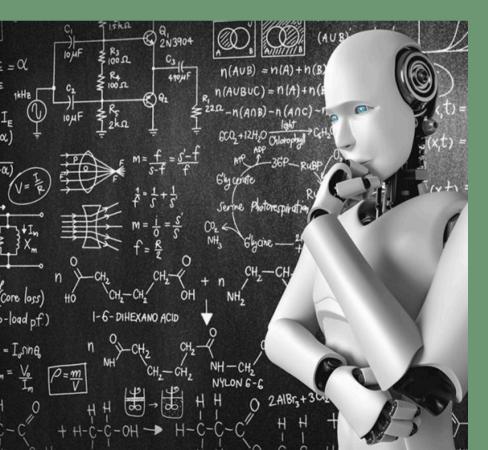


Department of Mathematics, NEHU, Shillong



The Department of Mathematics was established in the year 1974. From that time onwards, the department has been striving to provide quality and rigorous M.Sc., M.Phil., and Ph.D. courses in the fundamentals of the core area of mathematics like Algebra, Analysis, Differential Equations, Numerical Analysis, Topology, Geometry and Number Theory along with their applications such as Relative Theory, Cosmology, Computational Fluid Dynamics and many more. It has always followed the culture of all good universities of the world and pursued fundamental research of an original nature rather than repetitive and marginal research.

Objective



The main objective of this conference is to promote mathematical research and to focus on the recent Higher Mathematics, Engineering advances in Mathematics, Mathematical Sciences, Mathematical Modelling, Environmental Modelling, Nano-Science, and Technology, etc. The conference aims to provide an ideal platform for young researchers to interact with senior scientists, exchange their views and ideas, and initiate possible scientific collaboration in different domains. The program will include the participation of renowned keynote speakers, oral presentations, poster sessions related to the topics dealt with in the Scientific Program, and social events.

Conference learning outcomes



- Create a positive academic and research environment during this period after the global pandemic.
- Interaction with mathematicians from other institutes, universities, and colleges.
- Students will be encouraged to participate in research orientation by being provided with a platform for disseminating their research outputs.
- Students would get exposure to the various application areas of mathematics.
- The interdisciplinary nature of mathematical sciences would be understandable to the students in a stronger way.

Advisory Board Members

National International

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Dean, School of Physical Sciences
NEHU Shillong



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Dr. A.M. Buhpang
HOD, Mathematics Dept.
NEHU Shillong



<u>Co - Convener</u>

<u>Dr. S. Mondal</u>

Assoc. Prof., Mathematics Dept.

NEHU Shillong

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Dr. Deiborlang Nongsiang, Asst. Prof., Mathematics Dept., NEHU, Shillong
Mr. Phanjoubam Chinglensana, Asst. Prof., Mathematics Dept., NEHU, Shillong

Our 2024 Speakers



Prof. Precious Sibanda
University of KwaZulu- Natal,
South Africa



Prof. Sagnik Dey Indian Institute of Technology Delhi, India



Prof. Prashanta Kumar Mandal Visva-Bharati Santiniketan, India



Prof. Om Prakash Indian Institute of Technology Patna, India



Prof. Surajit Chattopadhyay Amity University Kolkata, India



Prof. Bankteshwar Tiwari Banaras Hindu University, Varanasi, UP, India



Prof. Satyajit Roy Indian Institute of Technology Madras, India



Prof. Sukumar Das Adhikari Ramakrishna Mission Vivekananda Educational and Research Institute, India



Prof. Ram Prakash Sharma
National Institute of
Technology Arunachal
Pradesh, India



Prof. Vinay Wagh Indian Institute of Technology Guwahati, India

Topic related to the theme of the conference, but are not limited to:

Theme Area 1: Mathematical Modeling and Simulation

Topics: Flui

Fluid dynamics

Numerical Analysis

Mathematical Physics

Environmental Modeling

Mathematical Biology

Mathematical Chemistry

Differential Equations

Complex Modeling

Theme Area 4: Data science and its realworld applications

Topics:

Applied Statistics

Operations Research

Big-Data Analytics

Theme Area 2: Applications of Engineering Mathematics

Topics:

Nano Science and

Nanotechnology

Computational Engineering

Scientific Computing

Computational Mechanics

Dynamical system

Dynamics

Theme Area 5: Mathematics in Astrophysics and Earth System Science

Topics: Relativity and Cosmology, etc.

Theme Area 3: Applications of Pure Mathematics

Topics:

Discrete Mathematics

Algebras

Fuzzy Sets and Logic

Number theory and cryptography

Special Functions

Topology

Functional Analysis

Fixed Point Theory

Graph Theory

Geometry



Call for Papers:

Authors are invited to submit the full-length abstract in the prescribed MS Word format (given below) on an A-4 size page on or before the last date to to the given link below (File name: Abstract_Your name). The contributed abstract must be original and should not have been accepted/ published in any journals/proceedings. Upon the notification of acceptance, the author will have to submit the final copy of the full-length abstract and registration fee through the registration link on or before the last date.

LINK OF ABSTRACT & COPYRIGHT FORMAT:

https://forms.gle/oefXiHwFpgd9jpuF9

ABSTRACT SUBMISSION LINK:

https://forms.gle/G2jeQ1Jy8xYJNcio7

Publications:

After the peer review process, some selected full-length manuscripts (presented at the conference) will be submitted to the reputed publishers for publication in WOS/ Scopus/ UGC-CARE-indexed journals and a proposal is already submitted to Springer for possible publication (without publication fee). The further review process would be as per the review process of the publishers/journals.



Registration Fee

Participants	Indian Delegates Early-bird Late		Foreign Delegates Early-bird Late	
Students/ Research Scholar/ PDF	INR 1500	INR 2000	USD 100	USD 150
Faculty Member	INR 2500	INR 3000	USD 150	USD 200
Industry and R&D Persons	INR 3000	INR 3500	USD 200	USD 250
Additional Paper/ Author/ Attendee	INR 1500	INR 2000	USD 100	USD 150

Registration fee includes conference kit and fooding. (Note that the registration fee does not include accommodation.)

PAYMENT DETAILS (DIRECT DEPOSIT IN BANK ACCOUNT)

Account Number: 054101000090003

Account Holder Name: FO NEHU

Bank Name: INDIAN OVERSEAS BANK

IFSC Code: IOBA000541

Branch Name: Morellong Building, Shillong

Branch Address: Shillong - 793001

Important Dates

Submission of abstract	1st July 2024		
Acceptance of abstract	30th July 2024		
Early-bird Registration	30th August 2024		
Late Registration	30th September 2024		
Submission of full length article	30th September 2024		

Accommodation and Travel

A limited number of accommodations for the participants will be arranged on a payment basis in the University Guest House on prior request.

No travel support will be provided to the participants

(*Registration fee does not includes accommodation and travel support)

Reach Out



+919932020872/ +918414033829



mathconference2024.nehu@gmail.com



https://www.nehu.ac.in/event



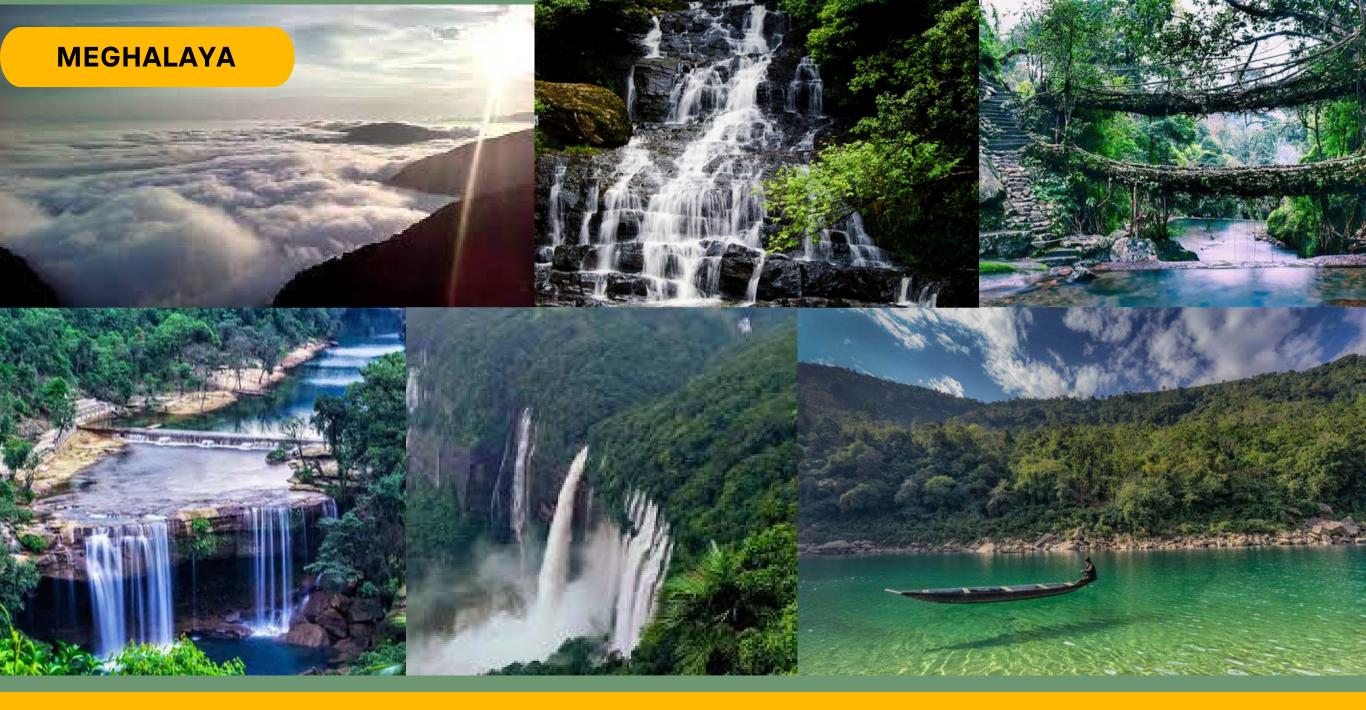
Department of Mathematics, North–Eastern Hill University, Shillong – 793002, Meghalaya, India



REGISTRATION LINK:

https://forms.gle/oefXiHwFpgd9jpuF9





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