ORGANIZED BY

DEPARTMENT OF MATHEMATICS

INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN ANALYSIS, OPTIMIZATION, COMPUTING-INNOVATIONS AND APPLICATIONS

(ICAOA-2027)

March 15 - 17, 2027 | NEHU, Shillong | 09.00 AM – 05.00 PM



DATE
March 15 – 17, 2027

VENUE
Department of Mathematics, NEHU, Shillong

TIME
09.00 AM – 05.00 PM
Monday–Wednesday

ABOUT ICAOA-2027

The 1st International Conference on Recent Advances in Analysis, Optimization, and Applications (ICAOA) 2027 is timely and academically significant, as analysis and optimization play a fundamental role in modern mathematics and their applications across science, engineering, economics, computer science, and technology.

The conference aims to bring together international researchers, academicians, scientists, young researchers, and students to share recent findings, exchange ideas, explore emerging research areas, and establish research collaborations. Particular emphasis will be placed on providing young researchers with opportunities to interact with experts and learn about current developments.

CONFERENCE THEMES

- Functional Analysis
- Operator Theory and Variational Inequalities
- Fixed Point Theory and Approximation Theory
- Fractional Calculus
- Topology
- Optimization Theory
- Numerical Analysis
- Harmonic and Complex Analysis
- Graph Theory
- Ordinary and Partial Differential Equations
- Wavelet Analysis
- Dynamical Systems
- Differential Geometry
- Algebra
- Engineering Applications

CALL FOR PAPERS

Original and unpublished papers are invited for presentation at the conference. The presented papers may be eligible for publication in the conference proceedings after peer review (Proposal submitted). The selected and peer-reviewed papers may be considered for publication in SCI/Scopus indexed journals (with additional charges, if any).

PROGRAMME

The academic sessions will consist of plenary lectures, invited and contributed talks by eminent mathematicians, with paper presentations by young researchers in various technical sessions.

IMPORTANT DATES

Last Date of Abstract Submission — **10th February 2027**
Notification of Abstract Acceptance — **15th February 2027**
Last Date of Registration — **1st March 2027**
Conference Dates — **15th–17th March 2027**

REGISTRATION FEE

Foreign delegates — **US $100**
Faculty members — **₹4000**
PG / Research Scholars — **₹2500**
Registration includes a conference kit, abstract, access to all technical sessions, high tea, coffee breaks, lunches and dinners.

ABOUT THE UNIVERSITY

North-Eastern Hill University (NEHU) was established in 1973 with the vision of disseminating and advancing knowledge in the hilly areas of the North-Eastern Region of India. NEHU presently has more than 49 academic departments organized under eight Schools of Studies, with departments located at its Shillong and Tura campuses. The University was entrusted with a special mandate to contribute to the socio-economic development and welfare of the people of the region, with particular emphasis on their intellectual, academic, and cultural advancement. Over the past five decades, NEHU has made significant contributions towards fulfilling this mandate and has rendered invaluable service to the people and communities of the region.

ABOUT THE DEPARTMENT

The Department of Mathematics was established in 1974. Since its inception, the Department has been committed to providing high-quality and rigorous M.Sc. and PhD programmes, with a strong emphasis on Algebra, Analysis, Nonlinear Functional Analysis (Fixed Point Theory), Complex Analysis, Differential Equations, Numerical Analysis, Topology, Geometry, and Number Theory. It also promotes research in Relativity Theory, Cosmology, Algebraic Topology, Mathematical Modelling, and other interdisciplinary fields.

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- Dr. Javid Ali — India
- Dr. Ashok K. Singh — India

LIST OF SPEAKERS

- Prof. Eberhard Malkowski — Germany/Serbia
- Prof. Wutiphol Sintunavarat — Thailand
- Prof. Ariana Pitea — Romania
- Prof. A. Razani — Iran
- Prof. Ovidu Bagdasar — UK
- Prof. Liliana Guran — Romania
- Prof. Vasile Berinde — Romania
- Prof. K. Jha — Nepal
- Prof. Y. Kimura — Japan
- Prof. Supama — Indonesia
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- Prof. Anita Tomar — SDSUU, India
- Prof. M. Malik — IIT, Mandi, India
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- Dr. Javid Ali — AMU, Aligarh, India
- Dr. Izhar Uddin — JMI, New Delhi, India

CONTACT & CONFERENCE IDENTITY

Prof. Santosh Kumar,
Convener, ICAOA-2027,
Department of Mathematics,
North-Eastern Hill University,
Shillong, Meghalaya – 793022.
Email: icaoa2027@gmail.com
http://www.nehu.ac.in

Registration:
https://forms.gle/NSirPJdupo3D4sTm9



PAYMENT DETAILS

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