



Unveiling Excellence

UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA

nirf India Ranking-2023 (151-200)

Accredited 'A' Grade by NAAC

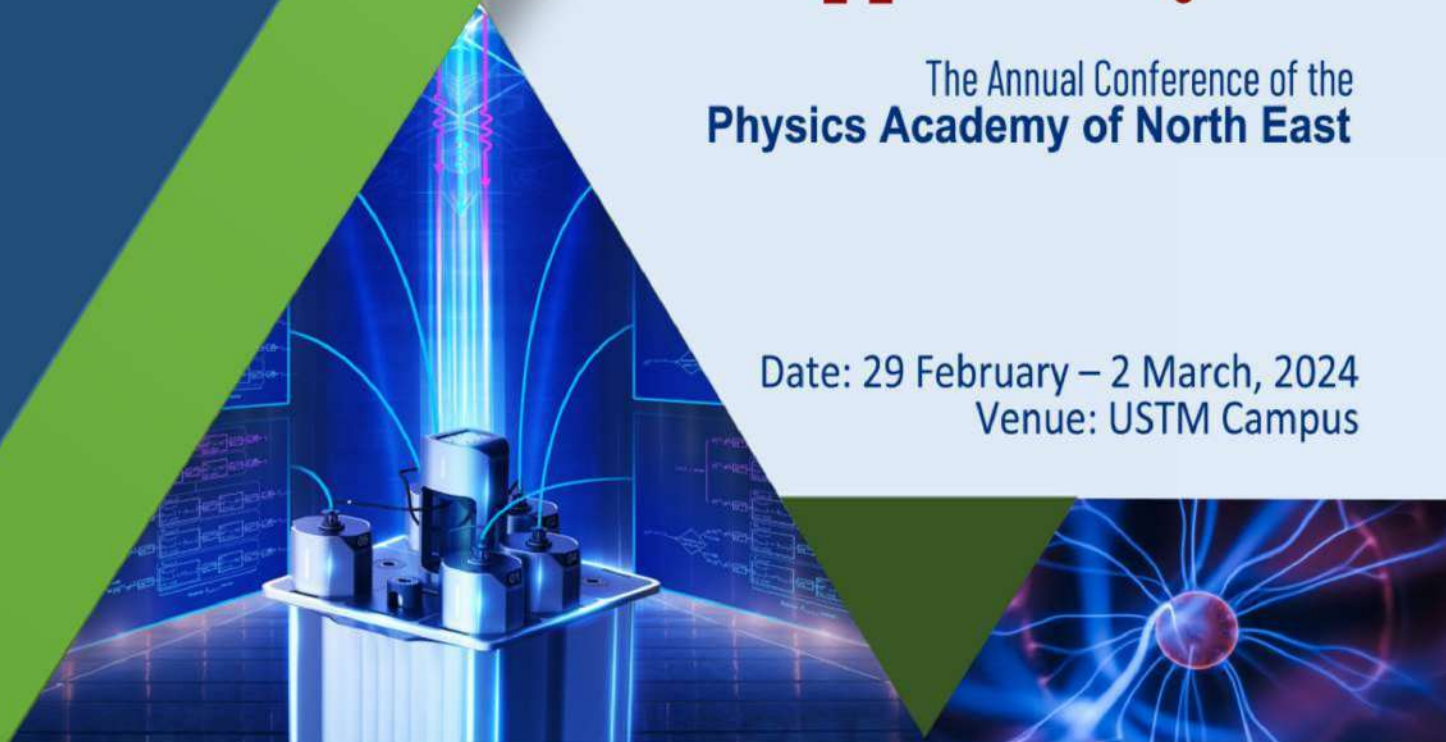


ICFPAP 2024

International Conference on **Frontiers in Pure and Applied Physics**

The Annual Conference of the
Physics Academy of North East

Date: 29 February – 2 March, 2024
Venue: USTM Campus



Organized by

Department of Physics

**UNIVERSITY OF SCIENCE & TECHNOLOGY
MEGHALAYA**

in collaboration with



**Physics Academy of North East
(PANE)**

About the Conference

International Conference on Frontiers in Pure and Applied Physics (ICFPAP-2024) will be held at USTM during 29 February - 2 March 2024 in collaboration with the Physics Academy of North-East (PANE). This conference is meant to provide a common platform for experienced and budding researchers and practicing scientists, to exchange ideas and help in the development of new ideas for the future. The tracks encompassed within the scope of this conference ranges from basic physics applications to advanced concepts. It also aims to close the gap between science and engineering and promote the aim of outcome-based research of the Govt. of India, culminating in indigenous technologies and new scientific breakthroughs. This conference will also provide a platform for young researchers to learn from their peers to enhance their knowledge and grow in career.

About USTM

USTM is the first state private university of Science & Technology in the entire North-Eastern India to be accredited "A" grade by NAAC in first cycle in the month of November 2021 and NIRF India ranked 151-200 in 2023, India. It is situated in a picturesque landscape surrounded by tranquil greenery of Assam-Meghalaya border at 9th Mile, near Khanapara, Guwahati. USTM offers Diploma, UG, PG and PhD programmes under its 10 different Schools. Presently, USTM is offering 70 different programmes to its 6000+ students, run by 750+ faculty & Staff. The best practices and uniqueness of USTM, a premier higher education hub of new India, highlighted by the holistic efforts to provide grants in the form of scholarship to meritorious as well as underprivileged students. USTM also plays a crucial role in connecting International and National Institutions of repute for collaborative activities through signing of MoUs. The university has taken initiative to implement NEP 2020 by approving Academic Bank of Credit, MOOCs, and multiple entries – exit scheme through its academic council meeting. MoUs have been initiated under Act East policy with universities and higher educational organization of far as well as neighbouring countries like Africa, Nepal, Bhutan, Bangladesh, Myanmar and Thailand.

About the Department

The Department of Physics under the School of Applied Sciences is excelling with updated methods of teaching learning process in its undergraduate as well as postgraduate programmes, since its inception in 2016. The Department is also carrying out excellent research in several areas such as Condensed Matter Physics, High-Energy Physics, Electronics and Communication Technology, Laser & Nonlinear Optics, Plasma Physics, General Theory of Relativity etc. by offering Ph.D. programme and continuously publishing papers in various international journals of repute. Excellence in teaching and research is the hallmark of the department.

About PANE

The Physics Academy of North East (PANE) was dreamt by the well-known educationist and physicist, late Prof. G. C. Deka at the IIT-Guwahati on 6th April, 1998 in with the chairmanship of Dr. D. N. Borgohain, the then Director of IIT. The Academy aimed at the gathering of eminent physicists of North Eastern India, on 11th November, 1997 at IIT Guwahati, celebrating the hundred years of discovery of the electron. The genesis of the program led by Prof. K. M. Pathak, the former VC of Tezpur University, lead the establishment of the academy with the aim of promoting physics research and education, wide dissemination of physics information, physics thoughts and culture, placement of physics graduates of North East region. Since inception, PANE has been regularly organizing its biennial series of conferences apart from various workshops and PANE lectures at different institutions.



Call for Papers

We are inviting papers for presentation in ICFPAP-2024. Potential authors will be provided with an opportunity to share their research outputs and discuss with national/international experts on new innovative ideas and concepts.

Guidelines for Abstract / Paper Submission:

- ▶ Only original unpublished work is sought. Any manuscript/work presently submitted for consideration or published in other media will not be accepted.
- ▶ For manuscript preparation please refer to the format given in the conference website: <https://ustm.ac.in/upcomingevent/>
- ▶ **Abstracts to be submitted only to the email ID: icfpap2024@gmail.com**

Tracks covered include, but are not limited to:

- Track 1: Condensed Matter Physics and Material Science
- Track 2: High Energy and Particle Physics
- Track 3: Atomic, Molecular and Laser Physics
- Track 4: General Relativity, Astrophysics and Cosmology
- Track 5: Plasma Physics and Nonlinear Dynamics
- Track 6: Nuclear and Radiation Physics
- Track 7: Instrumentation and Communication Technology
- Track 8: Meteorology and Atmospheric Physics
- Track 9: Interdisciplinary Sciences

There will be cash awards for the best oral as well as best poster presentations.

Publication of Research

Original unpublished work submitted to the conference will be published in a Book of Abstracts. The author(s) must prepare a one page abstract as per the given template. **Selected papers will be published as a conference proceeding (IOP/Springer) after peer review.** Templates for Abstract and Full Paper are available on the conference website (<https://ustm.ac.in/upcomingevent/>) or in the QR below:

IMPORTANT DEADLINES

Submission of Abstract	: 31 January, 2024
Notification of Acceptance of Abstract	: 05 February, 2024
Registration	: 15 February, 2024
Conference Dates	: 29 February-2 March, 2024
Full Length Paper Submission	: 31 March, 2024



KEYNOTE SPEAKERS



Prof. Katsunori Wakabayashi
Kwansei Gakuin University,
Japan



Prof. Kazi Hanium Maria
University of Dhaka
Bangladesh



Alesandro F. Santos
Universidade Federal
de Mato Grosso: Cuiabá, Brazil



Prof. Pankaj S. Joshi
Founding Director, ICSC
Ahmedabad University, India



Prof. Dhruba J Saikia
Astronomy Centre for Educators
IUCAA, Pune



Prof. Prasanta K. Panigrahi
Indian Institute of Science Education and
Research Kolkata, India



Prof. B Ananthanarayan
Indian Institute of Science,
Bangalore



Prof. Sourabh Basu
IIT-Guwahati



Prof. Bhupendra Nath Goswami
SERB-Distinguished Fellow,
Cotton University, Guwahati



Dr. Santanu K. Maiti
Indian Statistical Institute
Kolkata



Prof. N Madhavan
IUAC, New Delhi



Prof. Bidyut J Roy
HBNI & BARC, Mumbai

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Dr. Enamul Karim, Dean, SoAS, USTM

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Prof. Kushal Kalita, Gauhati University and General Secretary, PANE

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Dr. Faizuddin Ahmed, Physics, USTM

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Prof. Subrata Hazarika, Assam University (Diphu Campus)
Prof. Ayon Bhattacharya, NIT Meghalaya
Prof. Dambarudhar Mahanta, Tezpur University
Prof. Bipul Kumar Saikia, CPP-IPR, Sonapur
Prof. Atri Deshmukh, Assam University, Silchar
Prof. R C Tiwari, Mizoram University
Prof. Pradip Kumar Kalita, Rajiv Gandhi University, AP
Prof. Ranjit Singha, Assam University (Diphu Campus)

Payment Details*

Category	On/Before 15 th February		After 15 th February	
	Indian	Foreign	Indian	Foreign
Student	₹ 1500	\$ 60	₹ 2000	\$ 70
Research Scholar	₹ 2000	\$ 80	₹ 2500	\$ 90
Faculty/Scientist	₹ 3000	\$ 100	₹ 3500	\$ 110
Industry Personnel	₹ 4000	\$ 150	₹ 5000	\$ 160

All transactions can be made to the following account:

Payee Name : **AFTAB ANSARI**
A/C No. : **20303794126**
IFSC Code : **SBIN0014259**
Bank Name : **STATE BANK OF INDIA**
Bank Address : **NAPAAM, TEZPUR**

Aftab Ansari



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*Please save a screenshot of the successful transaction to be uploaded during online registration. Additional charges for journal publications of accepted full-length papers will be notified in due course of time. After making the payment, registration can be done using the following link: <https://forms.gle/6MnBmww6PsJCCybe7>

How to reach USTM

USTM is situated in Ri-Bhoi district and is located just 1 km from Guwahati-Shillong Road (NH-37), 9th Mile, Guwahati. USTM is at 6 km from Khanapara, 16 km from Guwahati Railway station, 14 km from ISBT Guwahati and 35 km from Guwahati Airport.



Campus: Techno City, Khanapara, Kling Road, Baridua, 9th Mile, Ri-Bhoi, Meghalaya-793101
Ph. 9508 444 000 / Web : www.ustm.ac.in