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Assistant Professor, The ICFAI University Tripura

Convener

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Prof. M. Saha Sarkar, Senior Professor (retd.), SINP.

Prof. V. K. Manchanda, President, Indian Nuclear Society.

Shri G D Mittal, Vice President, Indian Nuclear Society.

Shri Kishor U Agrawal, Former Associate Director, NPCIL, Joint

Secretary Indian Nuclear Society & Executive Director (Technical & Strategic) TENEX JSC

Shri O. P. Rai, Treasurer, Indian Nuclear Society.

Shri S K Malhotra, Former Head, Public Awareness Division, DAE.

Prof. Indranil Mazumdar, Senior Professor, TIFR.

Prof. Gautam Gangopadhyay, Professor, Calcutta University.

Prof. Anil Kumar Gourishetty, Professor, IIT Roorkee.

Prof. Dipankar Narayan Basu, Associate Professor, IIT Guwahati.



About the Conference

The conference on “Innovations in Nuclear Physics and its Application to Nuclear Power Generation” brings together eminent scientists, academicians, and industry experts to discuss recent advances in nuclear science and its technological applications. The program begins with an inaugural address on the status of nuclear science and technology in India, followed by invited talks spanning key areas such as nuclear structure, nuclear reactions (fission and fusion), nuclear astrophysics, neutrino physics, and advanced experimental techniques including accelerators and instrumentation. A special focus is given to emerging domains like nuclear data and the application of artificial intelligence and machine learning in nuclear physics. The conference also highlights applied aspects through dedicated sessions on nuclear power generation and safety, addressing both technological developments and societal relevance. The event concludes with a summary session outlining major insights and future directions, aiming to foster collaboration and knowledge exchange within the nuclear science community.

Conference Topics

- Nuclear Structure
- Nuclear Reaction
- Nuclear Astrophysics
- Nuclear Data & its applications in Nuclear Science & Technology
- Artificial Intelligence & Machine Learning in Nuclear Physics
- Accelerators Developments & Facilities for Nuclear Physics
- Advanced Detector Technologies in Nuclear Physics
- Nuclear instrumentation, techniques & Applications
- Neutrino Physics
- Nuclear Energy
- Nuclear Power Generation
- Non Power Application of Atomic Energy
- Nuclear Safety, Radiation protection and Regulatory Frameworks

National Conference In Collaboration With Indian Nuclear Society On Innovations In Nuclear Physics And Its Application To Nuclear Power Generation

20 July 2026 - 24 July 2026

HYBRID MODE

Visit Conference Website:

<https://physics.iutripura.in/INPNPG2026/>



About The ICFAI University, Tripura

The ICFAI University, Tripura was established in 2004 through an Act of State Legislature (Tripura Act 8 of 2004). The University has been approved by the University Grants Commission, under Section 2(f) of the UGC Act, 1956. The ICFAI University, Tripura is a member of the Association of Commonwealth Universities (ACU), London, UK, Association of Indian Universities (AIU), New Delhi, India, The Institution of Engineers (India) and Association of Management Development Institutions in South Asia (AMDISA), Hyderabad. The University is accredited by the Bar Council of India (BCI), National Council of Teachers Education (NCTE), Distance Education Bureau (DEB) and NAAC. The University has Bachelor, Master, and Doctoral programs in Management, Finance, Science and Technology, Information Technology, Education, Law, and other areas and is widely recognized as an institution devoted to quality research and teaching. The University gives utmost importance to the Industry-University interface.

About the Faculty of Science & Technology (FST)

Faculty of Science & Technology (FST), a constituent unit of the ICFAI University, Tripura (IUT). FST is committed to providing quality education in the field of science and technology. It helps the students develop professional competence through their exposure to labs and workshops and industry exposure through internships/projects in the industry with the objective of promoting new areas of Science & Technology and to play the role of a nodal department for organizing, coordinating, and promoting STEM activities in the country.

About the Department of Physics

The Department of Physics was established as a separate department under ICFAI Science School in August of 2018, it has never looked back. Department currently consists of highly qualified faculty members who have been actively involved in cutting-edge research in various emerging fields, and in developing state of art technologies. Presently we are offering Bachelors (B.Sc-Honors), Masters (M.Sc), and Doctorate (Ph.D.) courses. Students have been encouraged to join various esteemed institutions for their internship projects. The Department of Physics envisages itself becoming a Center of Excellence in the near future under the hood of ICFAI University Tripura.

Registration Details:

Designation	Online Registration Fee (INR)	Offline Registration Fee (INR)
Faculty / Scientist / Industry Fellow	1500	3000
Post Doctoral Fellow	1200	2500
M.Tech / Ph.D. Scholars	750	1500
M.Sc. Students	200	500

Payment Bank Account Details:

Name of the Account: ICFAI University Tripura
Savings Account No: 910010047489436
Bank Name: AXIS BANK Ltd
Branch: Agartala Branch
IFS Code: UTIB0000276
MICR Code: 799211002

Important Dates

- **Registration closes : 7th July 2026**
- **Abstract Submission (Last date) : 30th June 2026**
- **Abstract Acceptance : 5th July 2026**
- **Payment (Last date) : 7th July 2026**

Important Links

For Registration: <https://forms.gle/FpL36vzQ4wP7VD9T8>

For Abstract: <https://forms.gle/UcKgxCTDFtj2cJd4A>

For Payment: <https://forms.gle/zVw3ZohLKNVvrgBfA>



Location:

ICFAI University Tripura Campus, Kamalghat, West Tripura, Tripura - 799210, India

About Indian Nuclear Society

The Indian Nuclear Society (INS) is a non-profit registered professional body of nuclear scientists, engineers and technologists in India, with its headquarters at Mumbai and branches at Hyderabad, Kalpakkam, Rawatbhata, Mysore and Narora. It has more than 5,500 life members and 80 corporate members. The Society was inaugurated in January 1988 by late Shri J.R.D.Tata. The Society's mandate is to promote the advancement of nuclear science and technology and create awareness amongst general public about the benefits of atomic energy to mankind. Many Prime Ministers, Presidents and International dignitaries have graced the Annual Conferences of INS. Announcement of recent national nuclear mission by GOI, targeting about 12 times enhancement of nuclear power provides new challenges and opportunities to the fraternity of nuclear scientists and technologists in the country. Sustainable Harnessing and Advancement of Nuclear Energy for Transforming India (SHANTI) Act, 2025 fundamentally restructures India's nuclear power framework by allowing private participation in nuclear power plant operations and related activities. INS has planned range of training programs for industry as well as academic institutes to facilitate the achievement of target of 100 GWe nuclear power by 2047.

INS is uniquely placed in this area as we have a large pool of INS members who have vast experience in the area of Nuclear Science and Technology and many have been passionate teachers in DAE Training Centers spread over the country.

Contact Email (Organizers)

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- +91 9619088739
- +91 7005221519
- +91 90075 40354
- +91 7005147935

Nearby places to visit

- Tripura Sundari Temple
- Ujjayanta Palace
- Neermahal
- Unakoti
- Jampui Hills
- Sepahijala Wildlife Sanctuary
- kashba Kali Bari
- Jagannath Temple
- Dumboor Lake

Conference website link

<https://physics.iutripura.in/INPNPG2026/>