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**Dr. Manik Banik**  
Assistant Professor, Dept. of Physics, IISER, Thiruvananthapuram



**Prof. Suman Chakraborty**  
Institute Chair Professor & Sir J C Bose National Fellow  
Dean, SRIC, IIT, Kharagpur, Fellow: American Physical Society, Royal Society of Chemistry (UK), ASME, INSA, INAE, INAS, IAS



## Online National Conference

On

## Emerging Trends in Physical Sciences (ETPS-2021)

Date: 27<sup>th</sup> September to 01<sup>st</sup> October, 2021



Organized By

Department of Physics, ICFAI Science School  
**ICFAI University Tripura**

Last Date of Registration: **26th September, 2021**

Last Date of Abstract Submission: **27th September, 2021**

Platform: **ZOOM**



**About the University:** 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 University campus based in Agartala is a lush green campus spread over 32 acres at Kamalghat Sadar, Tripura. It has over 6 lakhs sq. ft. of built-up area with academic blocks, workshops, laboratories, faculty rooms, auditorium, seminar halls, and computer labs with latest computing facility, well equipped library, canteen, sports and recreation facilities. The campus also provides latest teaching aids and is Wi-Fi enabled. The University is being widely recognized as an institution devoted to quality research and teaching. The University gives utmost importance to Industry-University interface. The University believes in creating and disseminating knowledge and skills in core and frontier areas through innovative educational programs, research, consulting and publishing, and developing a new cadre of citizens with a high level of competence and deep sense of ethics and commitment to the code of professional conduct.

**About the Department:** Ever since its inception as a separate department under ICFAI Science School in August of 2018, The Department of Physics has been growing very rapidly. The department is continuously growing, increasing the quality of education and the expanse of research with every passing year. Presently, the department offers Bachelors (B.Sc-Honors), Masters (M.Sc) and Doctorate (Ph.D) programs. The department is well equipped with state-of-the-art laboratories and boasts of an amalgamation of experienced, young and vibrant faculty members. Department currently consists of highly motivated researchers who have been actively involved in cutting edge research in various emerging fields. Wide array of research is performed in various categories with focus on Theory and Experimental Condensed Matter Physics, Mathematical Physics, Astrophysics, Statistical Physics, Quantum Field Theory, Nanomaterials, Thin films and Experimental Material Science, Experimental Nuclear Structure, Solar energy applications, General Relativity and Gravitation, Applied Physics and Inter-disciplinarity. The aim of the department is to impart quality education and research environment to the students that would lead to their overall development in next coming years. The Department of Physics envisages itself in becoming a Center of Excellence in the near future under the hood of ICFAI University Tripura.

**Objective of the Conference:** National Conference on Emerging Trends in Physical Sciences aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Physical Sciences and its allied branches. It also desires to provide a premier interdisciplinary platform to present and discuss the most recent innovations, emerging trends, and concerns as well as practical challenges encountered and solutions adopted in the diverse field of Sciences, Engineering and Applied Physics.

**Call for Contributions:** Prospective authors are kindly encouraged to contribute to and help shape the conference through submissions of their research abstracts, and papers. Also, high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all area of Sciences, Engineering and Applied Physics are cordially invited for presentation at the conference. The conference solicits contributions of abstracts and papers that address themes and topics of the conference, including figures, tables and references of novel research materials.

The conference will focus discussions on various topics of present interest, such as, but not limited to:

- Statistical Systems
- Non-Equilibrium Systems
- Quantum Field Theory
- Particle Physics
- Astrophysics and Astronomy
- Condensed Matter Physics
- Material Science
- Thin Films Depositions and Characterizations
- Nanomaterials and Nanostructures
- Solar Energy Applications
- Smart and Novel Materials
- Science of Nuclear Structure
- Optical Systems and Photonics
- Non-Linear Optics
- Gravity, Relativity and Lensing
- Electronics and Applications
- Applied Physics and Interdisciplinarity

### Who can attend/participate?

UG/PG students, Ph.D. scholars, Post-Doctoral fellows, Faculty members, Professionals, Scientists/Engineers from Research Institutions, Training Institutions, and....

Few selected papers after peer-review will be published as Conference Proceedings in a Reputed and Indexed journal. Each published article will be charged separately as publication processing fees that will be decided by the publishers. Selected participants will be informed in this regard at a later stage.

### CONFERENCE REGISTRATION DETAILS

#### Registration fee:

Students: Only Participants: **100 INR**

Paper Presentation: **300 INR per paper**

Faculty: **500 INR only**

Format for Abstract Submission: To present a paper, prepare an abstract in the following format and upload it using the registration link. <https://docs.google.com/document/d/12mop2l1FZ5XgL57jiFJPGoFx-LCkvzTr/edit>

#### Registration Link:

[https://docs.google.com/forms/d/e/1FAIpQLSff\\_C7ZF97W86Adn3FELko2vf8hXwwefFe1pMtsHHgsBn3Zbw/viewform](https://docs.google.com/forms/d/e/1FAIpQLSff_C7ZF97W86Adn3FELko2vf8hXwwefFe1pMtsHHgsBn3Zbw/viewform)

Fee Payment Details: Pay your registration fee to the following account using NEFT only.

**Account Name: ICFAI UNIVERSITY, TRIPURA**

**Account No: 910010047489436**

**Bank: Axis Bank**

**Branch: Agartala**

**IFSC Code: UTIB0000276**

#### For Any Query

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Instructions for registration: Pay the registration fee using the given accounts details. Keep a copy of the transaction details. Proceed to the registration link, fill up the necessary details and upload the transaction receipt. Upon successful registration you will get a confirmation e-mail.