

**First Announcement**  
**3rd NATIONAL CONFERENCE ON**  
**FRONTIERS OF MODERN PHYSICS**  
**(NCFMP 2021)**

**November 26-27, 2021**

organised by

**Department of Physics, School of Basic and**  
**Applied Sciences**

**Adamas University**  
**West Bengal, India**



**About the Conference**

In the present era of globalization, the competitive products require key ingredients such as innovative features, rapid developments, continuous upgrades and technological and research developments. To achieve this goal, it is important to develop and use innovative ideas and techniques in designs and incorporate the same in the growth of physical science and engineering. Currently, intensive research is being carried out using theoretical, computational and experimental approaches. New developments have led to dynamic advances during recent years. The objective of this conference is to bring the scientists, academicians, and researchers, in the field of Physical Sciences on a common platform to exchange ideas and their recent findings related to latest advances and applications.

The Scientific Conference on Physical Sciences is the primary forum for the presentation of new developments and research results in the frontiers of Physics. The conference aims to bring together leading academicians, scientists, researchers and students to exchange and share their experiences and research results about all aspects of Physical Sciences.

Department of Physics, School of Basic and Applied Sciences, Adamas University organizes National Conference on Frontiers in Modern Physics, which covers multi-disciplinary fields in Science and Engineering. At present it is imperative that a good research work needs collaboration with expertise in different field. Keeping it in mind, Department of Physics, School of Basic and Applied Sciences is organizing NCFMP 2021 during 26-27 November 2021.

**About Adamas University**

Adamas University is established under the Adamas University Act, 2014 (West Bengal Act IV of 2014) with a sprawling green campus extending over 120 acres, nestled in Barasat, Kolkata (13 kms away from the Subash Chandra Bose International Airport Kolkata). With a focus on multidisciplinary research, education and a learning model that emphasizes active learning, Adamas University (AU) aspires to be globally known for education, research and innovation at the intersection of disciplines. The University has many international initiatives collaborating with the industries and educational institutes to facilitate projects, research and student exchange programs. The University has been established with the vision of providing quality education to students to help them become professionally competent as well as academically knowledgeable under the 10 Schools of Studies.

**About the Department of Physics**

Located in the scenic green campus of Adamas University, Kolkata, the Department of Physics started its activity in 2015. Vision of the Physics department is to lay the foundational stone of excellence and spur development of the University as a premier institution in the field of Physics. The department is an active beehive of research being carried out in the wide variety of frontier areas as well as high quality Under-graduate, Post-graduate and Doctoral programmes. The research programme of the department cover both pure and applied physics like Condensed Matter Physics, Particle Physics, Theoretical Nano-Science, Material Science, Plasma Physics and Microelectronics, Bio-Medical Instrumentation, Electronics, Applied Electronics, Thin Film, Biophysics etc

[\(http://science.adamasuniversity.ac.in/physics/\)](http://science.adamasuniversity.ac.in/physics/)

**Call for Papers**

Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in Physical sciences. Papers are requested to be submitted to facilitate the oral presentations

as well as poster presentations. Authors are requested to send one-page abstract as well as the full length paper.

**Topics of interest for submission include, but are not limited to:**

Material Science  
Synthesis and Characterization of Materials  
Semiconducting Materials and Devices  
Optical Systems and Photonic Materials  
Materials under extreme conditions  
Biomaterials  
Nanomaterials and Nanotechnology  
Device Modeling and Simulation  
Theoretical and Computational Physics  
Biophysics and Applications  
Particle Physics  
Plasma Physics  
Microelectronics  
Bio-Medical Instrumentation  
Electronics  
Applied Electronics  
Computational Fluid Dynamics  
Mathematical Modeling  
Thin Film  
Computational Biophysics

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Dr. Rajib Lochan Hota, Central Institute of Technology, Kokrajhar, India  
Prof. Arunava Chakrabarty, Presidency University, India  
Prof. Gurudas Mandal, East West University, Bangladesh

### Invited Speakers (More to be included)

- **Padma Shri Prof. R. N. K. Bamezai**, FNASc; FNA, F.I.M.S.A; F.A.M.S.
- **Prof. Arup Kumar Raychaudhuri**, FNA, FASc, FNASc.
- **Prof. Sandip K. Chakrabarti**, Director, Indian Centre for Space Physics
- **Prof. Saurabh Basu**, IIT Guwahati
- **Prof. Chittaranjan Sinha**, Jadavpur University, Kolkata
- **Prof. Debnarayan Jana**, Calcutta University
- **Dr. Barnali Ghosh**, S. N. Bose National Centre for Basic Sciences, Kolkata

### Submission Procedure & Guidelines

Abstracts should be in Times New Roman within A4 format. The title should be in bold with font size of 14 followed by author(s) name(s) in the next line, and affiliation in the subsequent line(s) as central alignment along with the email ID of the presenting author. The name of the presenting author should be underlined. Body of the text should be justified with 11 font size of Times New Roman with single spacing. Posters must be of the size 1 meter wide and 1 meter height with word limit 250.

Title : Times New Roman 14 Bold

Authors : Times New Roman 12

Affiliation : Times New Roman 11 Italics

Please submit abstract at "Submission" section of the NCFMP2020 conference website at

<http://science.adamasuniversity.ac.in/ncfmp2021/>

*All presented papers will be published in UGC CARE enlisted International conference proceedings series and/ or*

*peer reviewed journal as per the recommendation of the technical program committee. Article processing fees will be applicable, if required.*

### Important Dates

Abstract Submission Deadline : 18 October, 2021  
Acceptance Notification : 31 October, 2021  
Registration Deadline : 10 November, 2021  
Full manuscript submission : will be declared later  
Conference Date : 26-27 November, 2021

### Conference Fees

Student/Research Scholars Rs 1000  
Academicians/Scientists Rs 1500  
Industry Persons Rs 2000

### Contact Details

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