



Meghnad Saha Memorial International Conference on Frontiers of Physics

(MSMICFP-2023)

“The Centenary Celebration of the Department of Physics”

November 22 - 24, 2023

Department of Physics, University of Allahabad, Prayagraj-211 002, India

in association with

The National Academy of Sciences, India



The Department of Physics, University of Allahabad, is organizing “Meghnad Saha Memorial International Conference on Frontiers of Physics” on its centenary year. On the advice of Einstein and Eddington, Prof. Meghnad Saha was appointed as the first Professor and founding Head of the Department of Physics in 1923. The Saha ionization formula unlocked the mystery of Stellar Spectroscopy. Under the leadership of Prof. Saha, the department became world famous for its pioneering research work in the areas of Astrophysics, Nuclear Physics, Stellar Spectroscopy, Atmospheric and Space Physics, Atomic Physics, Ionospheric Studies, Acoustics, Ultrasonic Measurements and X-ray Spectroscopy. In the pre-independence era, he played the key role in the establishment and growth of various scientific societies such as National Academy of Sciences, India (NASI), Indian National Science Academy (INSA), Indian Association for the Cultivation of Science (IACS), etc. and the Department of Physics, University of Allahabad. Apart from his academic excellence, he was the chief architect of river planning and the chairman of calendar reforms committee. He was an excellent science communicator and also served as the Member of Parliament.

About the Conference

Continuing the legacy of Prof. Saha, the conference aims to provide a well-organized international forum for the exchange of ideas among the experimental and theoretical researchers and stimulate progress in both academia and industry. The conference covers the frontiers of research in major streams of Physics and interdisciplinary areas. **The Department of Physics is looking forward to the active participation from both academia and industry in the MSMICFP-2023. The selected papers after peer review will be published in the conference proceedings (Springer).**

There shall be both oral and poster presentations besides *Plenary* and *Invited talks* in the fields of :

- Theoretical & Experimental Condensed Matter Physics
- Astronomy & Astrophysics
- Soft & Active Matter Systems
- Quantum Optics, Quantum Information & Quantum Computation
- Advanced Functional Materials
- Energy, Photovoltaics & Green Materials
- Saha's endeavors for the Science & Society
- Nuclear & High Energy Physics
- Nano Photonics, Optical Fibers, Optical Sensors & Optoelectronics
- Nano-electronics & Nano Technology
- Statistical Mechanics & Critical Phenomena
- Computational Physics & Simulations
- Bio Materials & Implant Materials
- Laser & Plasma Physics
- Materials Characterization Techniques
- Other cutting-edge research areas of Physics

Call for Abstract

The abstract can be submitted at the conference email id: msmicfp@allduniv.ac.in on or before **October 15, 2023** in the format prescribed at the conference website: www.msmicfp2023.com. Acceptance of the abstract will be communicated by October 10, 2023. The deadline for submission of the complete manuscript is December 31, 2023.

Registration Details

Delegate Category	INDIAN DELEGATES (in INR)	FOREIGN DELEGATES (in USD)
Student	3000	250
Academia	5000	500
Industry	15000	1000
Accompanying	2000	200

Link for the Conference registration:

<https://forms.gle/F4osiEqyNBckNybQ9>

Registration fee is to be paid in the name of “Head Deptt. of Physics” A/c. No. 1001000100511244; IFSC: PUNB0100100; Name of Bank: Punjab National Bank; Branch: Allahabad Colonelganj (Details for the payment of fee can be availed from the conference website).



Invited Speakers

- A. Ghatak, IIT Delhi
- A. Kumar, BHU, Varanasi
- A. K. Tyagi, MGKV, Varanasi
- A. M. Srivastava, IOP, Bhubaneswar
- A. Omar, IIT Kanpur
- A. Paknezhad, IAU, Iran
- A. Sharma, IIT Delhi
- B. Choudhary, DU, New Delhi
- B. K. Singh, IIITDM, Jabalpur
- B. Mohanty, NISER, Bhubaneswar
- B. P. Singh, CCSU, Meerut
- B. S. Yadav, SSPL, New Delhi
- C. R. Gautam, Univ. of Lucknow
- D. K. Aswal, BARC, Mumbai
- D. S. Mehta, IIT Delhi
- D. K. Srivastava, NIAS, Bengaluru
- H. K. Singh, NPL, New Delhi
- K. Saha, IUCAA, Pune
- K. Singh, JNU, Delhi
- K. Thyagarajan, IIT Delhi
- L. McLerran, UW, USA
- M. Kumar, CSIR, New Delhi
- M. Das, IIA, Bengaluru
- M. Naimuddin, DU, Delhi
- N. Khare, IIT Delhi
- P. Majumdar, HRI, Prayagraj
- P. Misra, ISM, Dhanbad
- R. Kalia, Los Angeles, USA
- R. V. Gavai, IISER Bhopal
- R. Palit, TIFR, Mumbai
- S. P. Das, JNU, Delhi
- S. Rastogi, DDU Gorakhpur
- S. Puri, JNU, Delhi
- S. Ghosh, JNU, New Delhi
- S. Varma, IOP, Bhubaneswar
- S. S. Saxena, Cambridge, U.K.
- T. K. Sharma, RRCAT, Indore
- V. K. Rai, ISM-Dhanbad
- V. V. Parkar, BARC, Mumbai
- V. Ravindran, IMSc, Chennai
- Z. H. Khan, JMI, New Delhi

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Prof. Meghnad Saha, FRS
(6 October 1893 – 16 February 1956)
Founder Head of the Physics Department
University of Allahabad.

Important Dates

Last date to submit the abstract	Oct. 15, 2023
Intimation of acceptance of the abstract	Oct. 20, 2023
Deadline for registration	Oct. 31, 2023
Start date for full paper submission	Nov. 01, 2023
Last date to submit full paper	Dec. 31, 2023

For more details, please see the website

www.msmicfp2023.com

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