



National Conference on Frontiers in Modern Physics (In memory of Stephen Hawking)

NCFMP 2018

16th - 17th August 2018

Venue :

Seminar Hall, Adamas University Campus, Adamas Knowledge City,
Barasat - Barrackpore Road, Jagannathpur, Kolkata, West Bengal 700126

Organized by :

Department of Physics, School of Science, Adamas University

Address for Correspondence :

Organising Secretary - NCFMP 2018, Adamas University
Barasat - Barrackpore Road, P.O.: Jagannathpur, Kolkata-700126, WB, India
(+91 7686989435/ +91 9836864228/ +91 9830224321)
Email at: confncfmp18@gmail.com

About the Conference :

This National Conference aims to bring together the leading Scientists, Researchers and Research Scholars from all over the country and abroad to exchange and share their research findings and views in all the aspects of theoretical and applications of Modern Physics. It will also provide a premier interdisciplinary platform for researchers and academicians to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in different fields of Modern Physics.

Through this National meet, the researchers will gain immense idea about the recent happenings in the wide domain of Modern Physics. Students, especially, Research Scholars will get a proper platform to share their research ideas and exchange their views with the experts in the concerned field as from various fields keynote and invited speakers will join in this research meet.



www.adamasuniversity.ac.in

About the Department :

Located in the scenic green campus of Adamas Knowledge City, Kolkata, the Department of Physics started its activity in 2015. The department is an active beehive of research being carried out in the wide variety of frontier areas as well as high quality postgraduate and doctoral program.

The Department offers several programs at the Bachelor's, Master's as well as at the Doctoral Research levels. Establishment of state-of-the-art experimental and computational facilities has allowed us to venture into emergent interdisciplinary areas like Biomedical instrumentation, Nanotechnology and pure physics areas viz. Condensed Matter Physics, Material Science, High Energy Physics etc. Integrated M.Sc. in physics and M.Sc. (Tech) program in Applied Electronics and Biomedical Instrumentation are the new programs started under the Department in collaboration with Industry & Health Sector. With a vibrant and active Ph.D. program, in which research students are currently enrolled, Department of Physics strives to be one of the emerging institute of research. In addition to these programs conducted by the Department, the faculties regularly offer several core and elective physics courses to the Engineering and Science students from all the other Departments of the University.

Keynote/Invited Speakers :

Prof. Biswarup Mukhopadhyay, HRI, Allahabad
Prof. Palash Baran Pal, Calcutta University
Prof. Narayan Banerjee, IISER Kolkata
Prof. Guruprasad Kar, ISI Kolkata

Prof. Indra Dasgupta, IACS Kolkata
Prof. Sugata Ray, IACS Kolkata
Prof. Anup K Sadhu, Calcutta Medical College, WBUEHS
Prof. D N Tibarewala, IEST Shibpur

Scope of the Conference :

Astrophysics, High-Energy Physics and Nuclear Physics

- Early Universe and Nucleosynthesis • Black Holes and dark Matter • Hadron Structure
- Particle Collision and Particle Detector • Quark Physics beyond Standard Model • Nuclear Structure and properties

Condensed Matter Physics and Material Science

- Quantum Transport • Spintronics • Surface Physics • Soft Matter Physics • Strongly correlated systems
- Nano-Science and Applications • Topological Insulators • Graphene and applications

Quantum Information Theory and Quantum Computing

- Foundation of Quantum Mechanics • Quantum Entanglement • Quantum Thermodynamics • Quantum Computation
- Quantum Phase Transition

Electronics Science and Applications

- Solid State Device and Electronics • Opto-electronics & Photonics • NEMS & MEMS and Sensors • Medical Electronics
- Thin-Film Technology • Imaging & Sensing (including Medical imaging) • Terahertz Electronics • Plasmonics
- Wide Band Gap (WBG) Semiconductors : Growth, Device, Synthesis and Characterization

Bio-Physics

- Cellular Biophysics • Protein structure • Computational Biophysics • Bio-Signal Analysis • Bio-photonics
- Bio-instrumentation and sensors • Bio-informatics • Bio-Robotics • Cellular and tissue Engineering

In addition to these scholars are encouraged to submit papers in any aspect of Pure Physics/Applied Physics/Engineering Science or in any interdisciplinary domain.

CALL FOR PAPERS :

Research Scholars/ Faculty members/ Scientists are encouraged to contribute good quality Research Papers describing original results of conceptual, constructive, empirical, experimental and/or theoretical work in any areas of Modern Physics and Interdisciplinary domain.

Two page extended abstracts (including figures, tables, references etc.) should be submitted to the Convener - NCFMP 2018 by email: confncfmp18@gmail.com. The paper format: MS Word, Times New Roman Font & must not exceed two A4 pages, 1.5 line spacing and 11 font, title (14 fonts, capital letters and bold). Extended abstracts will go through blind review process. Acceptance of the abstracts and mode of presentation (Oral/Poster) will be notified through e-mail.

An ISBN numbered reviewed Conference Proceedings will be released with accepted Extended Abstracts.

Authors of extended abstracts may submit full length research paper for AIP Conference Proceedings Series.

The Electronic version of Conference Proceedings will be published by AIP Conference Proceedings (UGC enlisted journal; ISSN Number: 0094243x; e-ISSN Number: 15517616, SCOPUS indexed).

Publication processing fees will be applicable separately.

Posters should be precise with general format and should be spaced to fit in 1*1.2 m display board.

ACCOMMODATION :

Participants are requested to make their own arrangement for stay. However, limited number of accommodation (on payment) may be made available in the AU hostel, on first-cum first-serve basis as per the request through registration.

SPONSORSHIP :

Opportunities are available for Organizations, Industries and Institutions to be sponsors. Sponsorship Charges are:

Platinum Sponsorship	INR 12,000
Gold Sponsorship	INR 8,000
Silver Sponsorship	INR 5,000

Application Process :

Step 1: Submission of extended abstract for review to confncfmp18@gmail.com.

Step 2: Confirmation mail regarding acceptance /rejection will be sent to authors.

Step 3: Submission of Registration Fees either by cash at Dept. of Physics, AU, or through Net Banking/DD/NEFT/RTGS.

Bank Name : Bank of India
Branch Name : AIT campus
Account Number : 415620110000033
IFSC Code : BKID0004156
MICR Code : 700013150
SWIFT Code : 700013150

Step 4: Send your transaction details to confncfmp18@gmail.com for registration confirmation

Step 5: Submission of Full Length Manuscript for reviewed AIP Conference Proceedings (UGC enlisted journal & SCOPUS indexed)

Registration Fees :

Students (PG & Research Scholars) : INR 800	Teachers/Faculties/Scientist : INR 1200
Professional from industry/Others : INR 1500	Foreign Delegates : USD 30
*Participation (Without paper) : INR 600	

Publication Processing Fees :

Processing charge for AIP Conf. Proc.
(applicable separately for accepted papers after reviewing) : INR 3600 (Indian authors)
: USD 60 (Foreign authors)

Dates to Remember

Submission of Extended Abstract	: 20.07.2018
Acceptance Notification	: 25.07.2018
Registration	: 05.08.2018
Submission of full manuscript for AIP Conference Proceedings	: 30.09.2018

*Participation fees include Conference kit, lunch, attending all session, and certificate

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Department of Physics, Adamas University

Registration Form

Name:.....

Gender: I. Male II. Female III. Others

Accommodation required: Yes...../No.....

Designation: I. Student* UG PG Others
II. Research Scholar III. Faculty/Scientist IV. Others

Affiliation:

Address:

Email:

Phone/Mobile:

Food Habit: I. Vegetarian, II. Non-vegetarian

Willing to contribute Full Article in AIP Conference Proceedings: Yes...../No.....

Mode of Payment: Cash...../*Bank Transfer...../*DD.....

Date:

Signature:.....

* Scanned Copy/ Soft Copy of the filled in Registration Form along with details of Payment should be sent to the e-mail address: confncfmp18@gmail.com within deadline.