



CMHEP- 2021



Two Day National Workshop on
Recent Advances in
Condensed Matter and High Energy Physics
website: www.cmhep2021.com

Organised by

DEPARTMENT OF PHYSICS
EWING CHRISTIAN COLLEGE, ALLAHABAD

(An Autonomous Constituent College of University of Allahabad)

“College with Potential for Excellence” Awarded by UGC

&

NATIONAL ACADEMY OF SCIENCES (NASI)

On

5-6 MARCH, 2021

TOPICS INCLUDE:

- HEAVY ION COLLISIONS & QUARK GLUON PLASMA
- NEUTRINO AND DARK MATTER
- STRONGLY CORRELATED ELECTRON SYSTEMS
- BOSE-EINSTEIN CONDENSATES
- LIQUID CRYSTALS
- NANOMATERIALS
- QUANTUM GASES
- DISORDERED SYSTEMS
- MAGNETIC MATERIALS

ABOUT THE WORKSHOP:

The workshop on “**Recent Advances in Condensed Matter and High Energy Physics**” will be of great importance in covering a very large area of Physics. The goal of this workshop is to provide a well organised platform to discuss the recent advancement in condensed matter and high energy physics among UG, PG and Research students with the scientific community to expand their scientific knowledge.

Recent theoretical and experimental developments in the condensed matter and high energy physics which include novel phases of matter namely crystalline and non-crystalline phases, non-conventional superconducting phases, magnetic phases and Quark-Gluon Plasma phases etc. opens a new path to the contemporary research. Understanding of these phases and their classification is an on-going collaborative effort involving high energy physicist, condensed matter physicist as well as mathematicians. The unique properties of these phases are also advantageous for the advancement for the future technologies.

CALL FOR PAPERS:

Papers reflecting advances and innovations in the above areas are invited. However, authors may consider other areas and concepts of futuristic importance. Authors intending to present papers in the technical sessions are requested to make abstract having salient features of the paper in about 300 words in MS-WORD format [Font: Times Roman, Size 12] in double spacing. All the abstracts related to High Energy Physics must be sent to the email address: pkkhandai@gmail.com and the abstracts related to Condensed Matter Physics must be sent to umeshyadav02@gmail.com latest by 2nd March 2021. Authors whose abstracts are accepted will be requested to submit their full paper latest by 20th March 2021 as soft copy to the corresponding e-mail addresses given above. Acceptance of Papers shall be confirmed after the acceptance of Abstract & receipt of the

Registration Fee. The abstract should be headed by the title, names and address (es) of the author(s).

ABOUT EWING CHRISTIAN COLLEGE:

Ewing Christian College [ECC] was founded in 1902 by Dr. Arthur H. Ewing, a missionary who was its first Principal. The College Campus is located on the Northern Bank of Jamuna River about three kilometres away from the Sangam. Ewing Christian College is an Autonomous College since 1994 associated with Allahabad University. The University Grants Commission and the University of Allahabad with the concurrence of the Chancellor of the U.P. State Universities, under the scheme of autonomous colleges have allowed the College to formulate its own courses of studies and evaluate its own students separately yet continue to be awarded the Bachelor's Degree by the University of Allahabad. The College faculty, therefore, after great deliberations and careful planning have developed courses of studies most appropriate under the prevailing circumstances. The large Campus, well-equipped laboratories, libraries, health centre, daily chapel service, games and sports and a host of other extracurricular activities encourage students to develop a spirit of enquiry and make their life rich and meaningful. A modern Gymnasium, Women Cell with counselling as one of its activities, Minority Coaching Centre with its Career Information Services, Student Council and Cafeteria etc. provide excellent Student Support Services.

VENUE:

The Workshop will be conducted at the Auditorium of the College known as Tooker Hall. The College is about 5 km away from Allahabad Railway Station and about 18 Km. from the Airport.

REGISTRATION:

The candidates who wish to participate in the workshop (in blended mode) must fill the registration form which is attached in the last page of this bulletin and then send only the form to either of the following e-mail addresses as: pkkhandai@gmail.com or umeshyadav02@gmail.com as in .doc or in .pdf format.

REGISTRATION FEE:

Research Scholar/ Faculty members: Rs. 600.00/ Rs. 1000.00

UG/ PG Students: Rs. 300.00/ Rs. 500.00

IMPORTANT DATES:

1. Last Date of Registration: 2nd March 2021
2. Last date of sending Abstract: 2nd March 2021
3. Last date of sending Full Paper: 20th March 2021

KEY PERSONS:

Dr. (Mrs.) K. L. Pandey (Convener),

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Dr. Umesh Kumar Yadav (Organizing Secretary),

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Dr. Prashanta Kumar Khandai (Organizing Secretary)

Department of Physics, Ewing Christian College Allahabad,

Email: pkkhandai@gmail.com, Mob: 7717756468.

CHIEF PATRON:

EVENT CHAIR: Vice Chancellor, Allahabad University

PATRON OF THE EVENT: Dr. A. S. Moses, Principal, Ewing Christian College, Allahabad

ADVISORY COMMITTEE:

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Dr. Saikumar Chirra

REGISTRATION FORM

For

Recent Advances in Condensed Matter and High Energy Physics (CMHEP-2021)

5-6 March, 2021

1. Name:

2. Designation:

2. Organization:

3. Address:

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Mobile No.:, E-mail:

4. Do you intend to present a Paper/ poster?

(a) Title of paper/ poster:

(b) Author's Name:

5. **Payment details: Registration fee is to be paid online/offline in the following account:**

A/C Name: E.C.C. Special Grant

A/C Number: 86142010038855

IFSC code: SYNB0008614

Branch: Syndicate Bank, ECC, Allahabad

**Note: The receipt of the registration fee paid is to be sent with the registration form.
Registration fee can be paid to the organizing secretaries in cash also.**

Date:

Place:

Signature

Note:-(1) Participants have to fill this form and send it to either of the email addresses:
pkkhandai@gmail.com or umeshyadav02@gmail.com.