



A National Conference on Condensed Matter Physics

CONDENSED MATTER DAYS - 2018

(CMDAYS18)

August 29-31, 2018



Organized by

Department of Physics
The University of Burdwan
Golapbag, P.O. : Rajbati
District : Burdwan, Pin : 713 104
West Bengal, India.

About the Conference

The 26th edition of the national conference "Condensed Matter Days-2018" (CMDAYS18) will be held at the Department of Physics, The University of Burdwan, West Bengal, India. Condensed Matter Physics, with its truly interdisciplinary character enjoys its technological implications both in fundamental and applied research. "Condensed Matter Days" aims to provide a suitable platform for scientists/academicians and young researchers to present their works on diverse topics of technological relevance. The conference is expected to result in sustained collaborations through sharing of ideas and techniques of mutual interest.

Scope of the Conference

The conference aims to cover both theoretical and experimental studies on condensed matter covering the following broad areas:

- ✦ **Biomaterials and Bioconjugates**
- ✦ **Disordered Systems and Phase Transitions**
- ✦ **Dielectrics and Ferroelectrics**
- ✦ **Drug Designing & Drug Delivery**
- ✦ **Magnetism and Spintronic Systems**
- ✦ **Mesoscopic Phenomena and Junctions**
- ✦ **Nanomaterials and Nanocomposites**
- ✦ **Nonlinear Dynamics and Chaos**
- ✦ **Photocatalysis and Photovoltaics**
- ✦ **Photonics and Plasmonics**
- ✦ **Semiconductors and Optoelectronics**
- ✦ **Soft Condensed Matter**
- ✦ **Strongly Correlated Systems**
- ✦ **Surface and Interface Phenomena**
- ✦ **Superconductivity and Critical Phenomena**
- ✦ **Thin Films and Devices**
- ✦ **Interdisciplinary topics relevant to condensed matter systems**

Presentation

CMDAYS-2018 will include

- **Invited Talks**
- **A special session on "Bose-Einstein Condensation"**
- **Contributory Presentations**
 - ✦ **Oral (12+3 mins)**
 - ✦ **Poster (Width: 80 cm ×Length: 110 cm)**

About the Organizer

The University of Burdwan, established in 1960, is one of the leading teaching and research universities in West Bengal, India. The university runs several academic programmes at UG, PG and doctoral level and accredited by NAAC with "A" grade in 2016. Department of Physics is one of the oldest and largest departments in the university, which runs Masters, M.Phil., Ph.D. programmes in Physics and M.Tech in E&CE (Microwaves). The department is identified as Centre of Advanced Study (CAS) by UGC and supported by FIST programme by DST, Govt. Of India. The university is located in lush green campus of the historic Golapbag, previously the garden of Burdwan Maharajas and is equipped with the modern state of the art facilities to carry out experimental and theoretical research in the frontier fields.

Travel Information

Located about 100kms away from Kolkata city, The university is situated at Bardhaman, the headquarters of the Purba Bardhaman district of West Bengal. It can be reached by train/ road from Kolkata. Kolkata is very well connected by air and train to the rest of the country. Bardhaman is an important railway junction in the Delhi-Kolkata route. Burdwan normally enjoys pleasant weather. In August, Burdwan is warm and humid with active monsoonish weather with an average temperature of 32-35°C.

Important Dates

Last date of abstract submission: **10th July 2018**

Intimation of acceptance: **20th July 2018**

Last date of registration: **5th August 2018**

Registration Fee

Registration fee is to be paid in cash only on spot. Students & Research Scholars: **1000 INR**

Faculty & Post Doctoral Fellows: **1500 INR**

Abstract Submission

The details regarding the preparation of the one page abstract can be found at the end of this announcement. Authors are requested to submit their abstract(s) through email attachment (MS word) to: cmdays2018@gmail.com Acceptance of the abstracts will be notified through e-mail. There will be poster and oral sessions and the participants are required to mention their mode of presentation (Oral/Poster). Scanned copy of duly filled in Registration-cum-Accommodation request form should be sent only after acceptance of the abstract.

There will be a special session on "*Bose-Einstein Condensation*". Participants intending to send papers in this category should mention "**Abstract for special session**" in the subject heading while sending their abstracts.

Accommodation

Accommodation will be provided on request and on payment basis at University guest house located in the campus or nearby hotels. Request for accommodation should be made in advance along with mentioning in duly filled in registration form.

Chief Patron

N C Saha, Vice-Chancellor
The University of Burdwan

Advisory Committee

A. Kumar, *Tezpur University*
B. Chakrabarti, *SINP*
K. Kundu, *Visva Bharati*
N.C. Mishra, *Utkal University*
S. M. Bhattacharjee, *IOPB*
S. Tarafder, *Jadavpur University*
U. De, *VECC*

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A. Chakrabarty, *Kalyani University*
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S. Panigrahi, *NIT, Rourkela*
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S Mukherjee	J Chakravorty
T Banerjee	T Sarkar

General Correspondence

P K Chakrabarti, Convener
Co-Conveners: A C Mandal & A Dutta
Treasurer: S Das
Department of Physics, The University of Burdwan
Burdwan-713104, WB, India
Phone: 8240067275/ 7001399026/ 7908945224
E-mail: cmdays2018@gmail.com

REGISTRATION-CUM-ACCOMMODATION REQUEST FORM

(To reach by 5th August 2018)

CONDENSED MATTER DAYS-2018(CMDAYS18)

August 29-31, 2018

Department of Physics
The University of Burdwan
Burdwan 713104, West Bengal

Name (Block Letters):.....

Gender (M/F):.....Designation:.....

Affiliation/Organization:.....

Address:.....

Title of Paper:.....

Mode of presentation: Invited/Oral/Poster

Tel.:.....Mobile:.....

E-mail:.....

Accommodation Required (Yes/No):.....

Date and Time of Arrival:.....

Date and Time of Departure:.....

Date:

Signature

(Photocopies of this form may also be used)

Instruction to Authors

1 page abstract that include all Figures, Tables, References etc. The paper size should be A4 (210 mm x 297 mm) with 25 mm margin **on all sides**. The Font should be Times New Roman with size as indicated in different parts. Except specifically stated, the text should be justified (not right, left, or centered).

Title of the paper (**bold, Size 14**)

1.5 Space

Full names of authors (e.g. Manoj Patil, Madhu Singh, ...) (Size 12)

Affiliation (*italicized*, Size 10).

E.mail : dfg@klmn.uy.in (Size 10).

(all of the above must be Centered)

2 Spaces

Abstract (**bold, size 12, Centered**)

1 Space

The abstract text should be in font size 10. The line spacing should be 1.5 space in single paragraph. The text should be justified. Figures and tables should be suitably reduced in size for their appropriate placement in the text, where they are referred to. Each must be numbered (**bold**, e.g. **Fig.1**) and must have an appropriate caption below it. *Caption should be italicized*. References, if any, should be inserted in the text in brackets as (e.g., [1]), numbered according to their sequence of appearance in the text.

2 Spaces

REFERENCES (Capital, bold, Size 10, Align left):

The style of reference should be: Initials first, journal name italicized, volume number in bold, followed by starting page number, and year of publication in parenthesis (example is given below):

[1]. I. Moreels, Z. Hens, P. Kockaert, J. Loicq, D. Van Thourhout, *Appl. Phys. Lett.* **89**, 193106 (2006).