

29th
National (Virtual)
Conference on
Condensed Matter
Physics

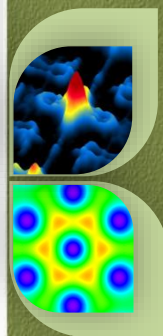
10th – 12th December, 2021



Organized by
Department of Physics
Central University of Jharkhand, Brambe
Ratu-Lohardaga Road, Ranchi, Jharkhand
835205, India



Condensed Matter Days
CMTDAYS 2021



About the Conference:

The 29th edition of the national conference “**Condensed Matter Days 2021**” (**CMDAYS-21**) will be organized by the Department of Physics, Central University of Jharkhand, Ranchi, India. The Condensed Matter Physics, with its truly interdisciplinary characters 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 chosen topics of technological relevance. The Conference is expected to result in sustained collaborations through sharing of ideas and techniques of mutual interest.

Theme:

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 & Multiferroics
- ❖ Energy Storage Devices
- ❖ Magnetism and Spintronic Systems
- ❖ Mesoscopic Phenomena and Junctions
- ❖ Nanomaterials and Nanocomposites
- ❖ Nonlinear Dynamics and Chaos
- ❖ Photonics and Plasmonics
- ❖ Photovoltaics
- ❖ Optoelectronics Devices
- ❖ Photocatalysis
- ❖ Semiconductor Materials and Devices
- ❖ Soft Condensed Matter Physics
- ❖ Strongly Correlated Systems
- ❖ Surface and Interface Phenomena Superconductivity and Critical Phenomena
- ❖ Thin Films and Devices
- ❖ Interdisciplinary Topics Relevant to Condensed Matter Systems

Presentation:

CMDAYS 2021 will include:

- ❖ Invited talks
- ❖ Contributory Presentations Oral (12+3 mins)
- ❖ Poster on Flex (Width: 80 cm ×Length: 110 cm)



About the Organizer:

The Central University of Jharkhand (CUJ) was established through the Central University Act, 2009. The University started with a vision to specially focus on relevant present age educational drives with an emphasis on research in cutting edge technologies. It offers 5-year integrated (UG/PG), Postgraduate and Ph.D. programmes in almost all its Schools/departments of studies. The University is open to new ideas in course curricula and research proposals, collaboration, interaction, and capacity building programmes. The CUJ Faculties have been awarded National and International Fellowships, project funding and recognition and are constantly contributing to the Government Sector, Public and Private Sector organisations through teaching and consulting. The students have also won accolades in national level academics and extramural activities.

The CUJ is continuously ranked within the top-250 institutes in India by NIRF, MHRD, Govt. of India. In 2020, Times Higher Education Ranking recognised the CUJ as one of the top-1000 institutes in the world.

Department of Physics offers M.Sc. Physics and Ph.D in research areas: Experimental Condensed Matter Physics, High Energy Physics, Experimental Nuclear Physics, Applied Optics, etc. The department has now on the way to develop sophisticated and modern laboratory for theoretical and experimental research.

The present campus of the University is located at Brambe, a 25 km drive from Ranchi city, in the State of Jharkhand, India. It located in 45 acres beautiful and vibrant green campus, with classrooms and hostels blending well with the environment. The State Government of Jharkhand allotted a 510-acre land to the University for its Permanent Campus at Cheri-Manatu, about 10 km off main city, construction work has started with a plan to create a campus worth visiting and staying in.

How to reach:

Ranchi is well connected with road and railways and connects it with major cities of eastern India. The National Highway (NH) 60A and NH 2 connect Ranchi with Kolkata and NH 33 and NH 99 connects it with Patna. Ranchi City has two major railway stations '**Ranchi Railway Station**' and '**Hatia Railway Station**'. The city has also one airport (domestics) '**Birsa Munda Airport**' and directly linked with Delhi (Indira Gandhi International Airport) and Kolkata (Netaji Subhas Chandra Bose International Airport). University Transportation Services complement public conveyance for commuting between the city limits and the campus.



Call for Abstracts:

An electronic version of the Abstract in MS Word Format should be submitted via Google form: <https://forms.gle/E4ER2qVWdxrkmz6b9>. The text should be in 1.5 lines space with 1 inch margins on all the sides on (A4) size paper using a font of size 10 with Arial. Reference should be numbered as they occur in the abstract/manuscript. Reference should be given with full details. The abstract should not be more than 600 words. Figures, tables etc. should be on the same page. Name of the presenting author should be underlined. 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.

Important Dates

Abstract submission ends

17th October, 2021

Notification of acceptance

5th November, 2021

Last date of submission of "Registration cum Accommodation request form"

15th November, 2021

Last date of registration

15th November, 2021

The format and instruction for authors are attached along with the announcement. For any difficulty in online submission, please contact the chair/convener at cmdays2021@gmail.com

For publication in Scopus – indexed proceedings : Please check website for details.

Venue, Date and Language:

The Conference will be held at Central University of Jharkhand, Brambe, Ranchi, Jharkhand, India during 10-12th December, 2021. The official language of the symposium will be English without provision for translation.

Registration:

Please complete the enclosed registration form and submit it along with the registration fee to the conference secretariat on or before November 15th, 2021. Registration payment may be made through bank transfer/DD.

Registration

Fees(Rs.)

Students/ Research Scholars

200.00

Faculty/ Postdoctoral Fellow

500.00

Industry Participants

500.00

CMDAYS 2021

CONDENSED MATTER DAYS-2021

December 10-12, 2021

Department of Physics

Central University of Jharkhand,
Ranchi 835205, Jharkhand, India

Registration Form

(may be downloaded from website)

Name (Prof./Dr./Mr./Ms.) :

Designation :

Organization :

Postal Address

Pin/Zip Code City.....

Country Phone

Email :

Title of paper:

Mode of presentation: Invited/Oral/Poster

Details of enclosed Demand Draft/Bank Transfer :

No.: Dated :

Amount (INR).....

Issuing Bank & Branch

Date :

Participant's Signature

Conference Secretariat

Avijit Ghosh (Convener)

Dept. of Physics, Central University of
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Dept. of Physics, Central University of
Jharkhand

Vineet Kumar Agotiya (Co-Convener) ,
Dept. of Physics, Central University of
Jharkhand

Address for Communication

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Assistant Professor

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Ratu-Lohardaga Road

Brambe, Ranchi - 835 205, Jharkhand, India

E-mail: cmdays2021@gmail.com

Website: www.cuj.ac.in/cmdays2021

Account Details

Account Name: CMDAYS21

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Vice Chancellor, Central University of Jharkhand

Patron

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