



Call for PAPERS

2nd Announcement



INTERNATIONAL CONFERENCE ON LIGHT MATTER INTERACTION & ULTRAFAST PROCESSES

1-4 MARCH 2024

Jointly organised by International Centre for Ultrafast Studies (ICUS), International and Inter University Center for Nanoscience and Nanotechnology (IIUCNN), and School of Pure and Applied Physics (SPAP), Mahatma Gandhi University, Kottayam-686 560, Kerala, India

AIM OF THE CONFERENCE

Over the past decade, significant advancements have propelled the field of ultrafast phenomena to new heights. From enhancing our grasp of fundamental physics to driving innovations in photonics, materials science, and quantum computing, the study of light-matter interaction and ultrafast processes holds vast potential and is a swiftly evolving and thrilling field. The central objective of ICLMIUP 2024 is to furnish a comprehensive overview of the current status of developments in systems that encompass both light-matter interaction and ultrafast processes. This extends to the need for organisational principles, detailed material investigations, and the emergence of cutting-edge sources for generating ultrashort pulses of light, including technologies like high-harmonic generation, few-cycle optical pulses, x-ray-free electron lasers, and new material development. Another integral aim of ICLMIUP 2024 is to establish an international forum for gathering the community of scientists, engineers, and researchers in a unified framework, fostering novel ideas and collaborations in understanding the physics of light-matter interaction and ultrafast phenomena. Hence, ICLMIUP 2024 will be a platform for younger minds to interact with the pioneers of this field, the hot topic of discussion currently in the limelight of the Nobel Prize in Physics 2023.

CONFERENCE ORGANISATION

PATRON: Prof. (Dr.) C.T. Aravindakumar

Hon.Vice-Chancellor, Mahatma Gandhi University

CHAIRMAN & CONVENOR

Prof. (Dr.) Nandakumar Kalarikkal

Hon.Director International Centre for Ultrafast Studies (ICUS)

Mahatma Gandhi University

LOCAL ADVISORY COMMITTEE

Prof. (Dr.) Sabu Thomas

Former Vice-Chancellor, Hon. Director, IIUCNN, SNSNT & SEM
Mahatma Gandhi University

Prof. (Dr.) Cyriac Joseph

Director, SPAP, Mahatma Gandhi University

Dr. Sreekala M S

Joint Director, IIUCNN & SNSNT Mahatma Gandhi University

School of Pure and Applied Physics

Mahatma Gandhi University, PD Hills PO, Kottayam Kerala

ACCOMMODATION

The university offers a guest house and there are excellent hotels around Kottayam. Accommodation will be facilitated upon request

FOR MORE INFORMATION

www.iclmiup.com, www.mgu.ac.in

Email: iclmiup@gmail.com

SCOPE OF THE CONFERENCE

- Ultrafast Processes
- Ultrafast Spectroscopy
- Ultrafast Photochemistry
- Light Matter Interaction
- Novel Sources of Lasers
- Imaging, Communication and Defense Applications
- Nonlinear Optics
- Laser Plasma Interaction
- Laser Ablation
- Laser Material Processing
- Spin Lasers
- Lasing from Disordered Systems
- Attophysics
- Ultrashort Laser Pulse Technologies
- Medical Photonics
- Novel Nanomaterials
- Additive Manufacturing
- Computational/ Theoretical Modeling



REGISTRATION FEE

*International delegate: € 400

*International student: € 300

*Accompanying person: € 300

Indian delegate: ₹ 5000

Student delegate from India: ₹ 3000

Accompanying person: ₹ 2500

Industrial delegate: ₹ 10000

Early bird registration

*International delegate: € 300

*International student: € 275

*Accompanying person: € 275

Indian delegate: ₹ 4000

Student delegate from India: ₹ 2500

Accompanying person: ₹ 2000

Industrial delegate: ₹ 9000

As a registered delegate, you'll receive a conference kit, complimentary meals, a boat cruise on Vembanadu Lake, and a conference banquet featuring traditional Kerala cultural programs

* In the case of foreign delegates, registration fee covers accommodation also

The conference registration fee may be sent in favour of:

The Director, University Centre for Ultrafast Studies (UCUS)

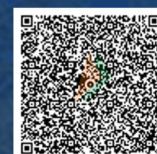
Mahatma Gandhi University

Account No: 42391888610

IFSC CODE: SBIN0070669

Branch Code :70669

Payable at State Bank of India, MG University Campus, Kottayam, Kerala-686560, India (Full address of the sending person should be included during money transfer)



KEY DATES

Abstract Submission Deadline
20 February 2024

Acceptance Intimation
25 February 2024

Registration Deadline
28 February 2024

Pre-conference Workshop
1 March 2024

Conference
2-4 March 2024



SPEAKERS GALLERY

Prof. Carlo Spartaco Casari
Politecnico di Milano, Italy



Dr. Murukeshan Vadakke Matham
Nanyang Technological University, Singapore



Prof. Reji Philip
Raman Research Institute, India



Dr. Vandana Sharma
Indian Institute of Technology, Hyderabad, India



Prof. Alike Khare
Indian Institute of Technology, Guwahati, India



Dr. P. Prem Kiran
University of Hyderabad, India



Dr. Sai Santosh Kumar Raavi
Indian Institute of Technology, Hyderabad, India



Dr. Rajeev N. Kini
Indian Institute of Science Education
and Research (IISER), Thiruvananthapuram, India



Dr Jinto Thomas
Institute For Plasma Research, India



Mr. Jagadesh Obulapuram
Laser Science



Dr P T Ajith Kumar
Light Logics Holography & Optics Pvt. Ltd.



Prof. Olivier J.F. Martin
EPFL STI IMT NAM, Switzerland



Prof. Didier Rouxel
Université de Lorraine, France



Prof. Soma Venugopal Rao
University of Hyderabad, India



Dr. Ravi A. V. Kumar
Institute For Plasma Research, India



Dr. Sivarama Krishnan
Indian Institute of Technology Madras, India



Prof. Anindya Datta
Indian Institute of Technology Bombay, India



Dr. Mukesh Jewariya
CSIR-National Physical Laboratory-New Delhi, India



Dr. Akhilesh Kumar Mishra
Indian Institute of Technology Roorkee, India



Dr Bhuvanesh Ramakrishna
Indian Institute of Technology Hyderabad, India



Dr. Riju C Issac
Cochin University of Science & Technology, India



Dr Arijit K De
Indian Institute of Science Education
and Research (IISER) Mohali, India



CONFERENCE HIGHLIGHTS

- Special focus on Ultrafast Phenomenon
- Prominent speakers and invitees from across the world
- Paper presentation in more than 10 thematic Areas
- Keynote, plenary, contributory and short invited lectures
- Industry-academia conclave
- Brain-storming sessions
- Young researcher awards
- Conference publication
- Follow-up programs

Industry-Academia Collaborations

We aim to facilitate robust business-to-business interactions among numerous companies from both India and abroad. This endeavor seeks to foster new collaborations, joint ventures, and technology transfers among multinational corporations, medium-scale enterprises, and small-scale industrial units worldwide.

During the conference there will be a brain storming discussion meeting in order to submit a joint project proposals to other bilateral research programmes between DST, UGC, INSA and DBT of India and rest of the world. Please note that DST of India has signed bilateral agreement with almost all the countries in the globe. These include DST-NSF, DST- DAAD, DST-DFG, DST-KBN, Indo-French (CEFIPRA), DST-NSF, DST- Australia, etc. This conference will act as a good platform to find partners for international research collaborations

In view of your excellent contributions to the field of light matter interaction science, we would like to welcome you to give an expert talks and poster presentations at the conference. The scientific committee of the conference is aware of your published works in this field. We would appreciate if you could submit a one-page abstract of the talk or presentation (in the MS Word format) at the earliest to the conference [email:iclmup@gmail.com](mailto:iclmup@gmail.com) or website. An appropriate title should be decided by you.

The Young Researcher Award and Best Poster Award will be presented during the event, distinguishing outstanding achievements among short-invited talks and student posters. An international jury will meticulously assess both the posters and short-invited talks, recognizing excellence and innovation in the contributions made by the participating students.