



The 4th International Conference on

OPTOELECTRONIC AND NANOMATERIALS FOR ADVANCED TECHNOLOGY

icONMAT 2025

Jointly Organized by

Department of Physics

Centre of Excellence in Advanced Materials (CAM)

Cochin University of Science and Technology

Nanomaterials & Devices
Energy Harvesting & Storage
Thin Films & Coatings
Bio Materials & Engineering
Ultrafast Laser Technologies
2D Materials & Devices
Quantum Materials

Pre-conference workshop on 11th February 2025



Seminar Complex, CUSAT



11 - 14 February 2025



✉ iconmat@cusat.ac.in

🌐 <https://iconmat2025.cusat.ac.in>

ABOUT THE CONFERENCE

icONMAT 2025 event marks the fourth in a series that was formerly known as OMTAT (Optoelectronic Materials and Thin Films for Advanced Technology). The conference will provide a platform to present state of the art methods in the synthesis and design of new materials and their applications such as gas sensors, photo catalysis, fuel cells, solar cells, optics, transparent electronics, high definition displays etc. The conference brings together scientists and engineers working on various aspects of fabrication, characterization, and modeling of optoelectronic materials and devices to discuss the latest developments in this field.



Peer Reviewed Papers will be published in SCOPUS Indexed Proceedings*
Selected papers will be published in Elsevier - Current Applied Physics (IF: 2.4)*
Awards for Best Oral, Flash and Poster Presentations

LIST OF CONFIRMED SPEAKERS

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|--|--|--|
| Dr. Philippe Poulin
Centre de Recherche Paul Pascal, CNRS France | Dr. Murukeshan Vadakke Matham
Nanyang Technological University, Singapore | Prof. Vandana Sharma
IIT - Hyderabad |
| Prof. Srinivasa R Raghavan
University of Maryland, United States | Prof. Joaquim Puigdollars Gonzalez
Universitat Politècnica de Catalunya, Spain | Dr. Svetlana Nalimova
St. Petersburg Electrotechnical University, Russia |
| Prof. Rajeev Pattathil
Rutherford Appleton Laboratory, UK | Prof. Cristobal Voz
Universitat Politècnica de Catalunya, Spain | Prof. Reji Philip
RRI - Bengaluru |
| Prof. Biju Vasudevan Pillai
Hokkaido University, Japan | Dr. Mark Wiggins
University of Strathclyde, UK | Prof. Renu John
IIT - Hyderabad |
| Prof. M Krishnamurthy
Center Director, TIFR - Hyderabad | Prof. M M Shaijumon
IISER - Thiruvananthapuram | Dr. Prabir Kanti Basu
Sr. Vice-President, RNSEL, Reliance |
| Prof. Philip J Camp
University of Edinburgh, Scotland | Prof. Dinesh Kabra
IIT - Bombay | Dr. Madhu Thalakulam
IISER - Thiruvananthapuram |
| Dr. Elyes Nefzaoui
ESIEE Paris school of engineering, France | Prof. K G Suresh
IIT - Bombay | Dr. Rajeev N Kini
IISER - Thiruvananthapuram |
| Prof. G Ravindrakumar
TIFR - Bombay | Dr. R Ramaseshan
IGCAR - Kalpakkam | Dr. Rakhi R B
CSIR - NIIST, Thiruvananthapuram |
| Dr. Silvia Cipiccia
University College, London | Dr. T N Narayanan
TIFR - Hyderabad | Dr. Aravind Kumar Rengan
IIT - Hyderabad |
| Prof. Heinrich Christoph Neitzert
University of Salerno, Italy | Prof. Nripan Mathews
NTU, Singapore | Dr. Barid Baran Lahiri
IGCAR - Kalpakkam |
| Dr. Asifkhan Shanavas
Scientist-D, DST-INST, Mohali | Dr. Debakanta Samal
Institute of Physics, Bhubaneswar | Dr. S Saravanan
Emmvee Photovoltaic Power Pvt. Ltd. |
| Dr. Soham Manni
IIT - Palakkad | Prof. Deepthy Menon
ASNSMM, Kochi | |

CONFERENCE PATRONS

- Dr. N Kalaiselvi**
Director General CSIR & Secretary DSIR
- Prof. M Junaid Bushiri**
Vice Chancellor, CUSAT
- Prof. K P Sudheer**
Principal Secretary S&T Department & Executive Vice President, KSCSTE

IMPORTANT DATES

- Early Bird Registration01 December 2024
Deadline for Early Bird Registration.....10 January 2025
Deadline for the Abstract Submission....20 December 2024
Acceptance of Abstract.....02 January 2025
Deadline for Full paper submission.....25 January 2025
Pre-conference Workshop.....11 February 2025

REGISTRATION FEE

	Early Bird	Late
Indian National		
Students	Rs. 3500/-	Rs. 4000/-
Faculty/ Research Personnel	Rs. 8000/-	Rs. 8500/-
Industry Participant	Rs. 10000/-	Rs. 12000/-
Foreign National		
Students	USD 250	USD 300
Faculty/ Research Personnel	USD 350	USD 400
Industry Participant	USD 500	USD 550

Registration Fee for Pre-conference Workshop
Rs. 500/- or USD 50

*Publication charges applicable if necessary

CONFERENCE CHAIRS

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|---|--|---|
| Dr. Aldrin Antony
Associate Professor and Head,
Department of Physics, CUSAT | Prof. M K Jayaraj
Professor Emeritus,
Department of Physics, CUSAT | Prof. Gin Jose
Professor and Chair in Functional Materials,
University of Leeds, England |
| Dr. Riju C Issac
Associate Professor,
Department of Physics, CUSAT | Prof. Joaquim Puigdollers Gonzalez
Department of Electronic Engineering
Universitat Politècnica de Catalunya, Spain | Dr. Saji K J
Associate Professor and Director,
International School of Photonics, CUSAT |

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