



LOVELY
PROFESSIONAL
UNIVERSITY

Transforming Education Transforming India

NAAC GRADE **A++**



2nd INTERNATIONAL CONFERENCE ON
**MATERIALS FOR
EMERGING
TECHNOLOGIES**
(ICMET-2025)

22nd - 23rd AUGUST, 2025
HYBRID MODE: ONSITE/ONLINE

Organized by

Department of Research Impact & Outcome, Research and Development Cell,
Lovely Professional University G.T. Road Phagwara Punjab (India) 144411



LOVELY PROFESSIONAL UNIVERSITY

Lovely Professional University (LPU) is a multi-faculty research-oriented institution with hi-tech campus offering more than 200 professional programmes. LPU campus is a complete world in itself having students from all states of India and more than 40+ countries of the world. LPU is a world class institution with internationally benchmarked curricula, innovative pedagogy focused on experiential learning, cutting edge research, 450+ foreign tie-ups, well qualified faculty with industry exposure, outstanding sports & cultural facilities, excellent residential facilities, In-campus shopping mall, hospital, banks, postal services etc. The University is ranked high on various parameters by Government Bodies and other credible organisations. LPU receives Highest Grade A++ with 3.68 score on 4 Point Scale by NAAC (National Assessment & Accreditation Council), an Autonomous Institution of the University Grants Commission (UGC), Ministry of Education, Govt. of India. The Times Higher Education World University Rankings 2025 has ranked LPU amongst Top 10 Universities in India Including all Government (even IITs & NITs), & Private Institutions, and many more.



ABOUT THE CONFERENCE

The Department of Research Impact and Outcome, Lovely Professional University, Phagwara, Punjab, India is highly excited to welcome all the delegates, Scientists, Teaching fraternity, Research Scholars, Students from the different parts of the countries on the occasion of an International conference on Materials for Emerging Technologies-2025 (ICMET-25) on 22-23 August 2025.

The conference is a second series of the ICMET. In its first phase, large number of research papers (more than 450) from different fields was received. As an outcome, 318 research papers were published in Scopus indexed American Institute of Physics-Conference Proceedings (AIP-CP).

The ICMET-2025 focuses on advanced materials for electronics, energy, healthcare, and sustainable applications. The conference features Keynote speeches, Technical sessions, Poster presentations, and interactions. Researchers, industry leaders, and students network to share ideas and foster collaborations. This event plays a key role in shaping the future of emerging technologies through cutting-edge materials research.

IMPORTANT DATES

Last Date for Submission of Abstract:
15th July, 2025

Notification for acceptance:
20th July, 2025

Last date for registration:
25th July, 2025

Manuscript submission:
30th July, 2025

Conference date:
22nd - 23rd August, 2025

REGISTRATION FEE

Faculty / Scientists
INR 3000

Industry delegates
INR 5000

Research Scholar
INR 1500

UG/PG Student Attendees
INR 1000 (w/o presentation)

International Participants
USD 250

Registration fee includes access to all the online/offline sessions and participation certificate

INSTRUCTIONS FOR AUTHORS

- Authors must send Abstract written in English language (Font type Times New Roman and size 12, typed) single spaced on standard A4 sized paper.
- Abstract should not be more than 200 words.
- The title should be precise, short and informative. Title should be followed by author's names and their affiliation.
- The template for the abstract can be downloaded from the following link.
- Paper presenter name must be indicated by asterisk (*) symbol.
- Submit abstract via Google sheet: <https://forms.gle/8f83dps832S3xq5N7>

FULL-LENGTH MANUSCRIPT

- Selected full length peer reviewed articles will be published in Scopus/WoS indexed Conference Proceedings/Journals.
- Additional charges will be applicable for the publication.
- Authors are requested to submit full length paper as per the Journal's format. The format of camera-ready-paper will be shared soon.
- Submit full length paper via Google sheet: <https://forms.gle/CoJoSF8HX9KfPDQj6>

SPEAKERS



Dr. R S Verma
Director, Motilal Nehru
National Institute of
Technology, Allahabad, India



Dr. Andreas Peter Ruediger
INRS, Varennes, Canada



Dr. A K Haghi
University of Coimbra,
Portugal



Dr. Esther T. Akinlabi
University of Northumbria,
United Kingdom



Dr. Vivek Pancholi,
Indian Institute of Technology,
Roorkee, India



Dr. Ravi Kumar
National Institute of Technology,
Hamirpur, India



Dr. Nita Dilawar Sharma
National Physical Laboratory,
New Delhi, India



Dr. Inderdeep
Indian Institute of Technology,
Roorkee, India



Dr. Prafulla K Jha
The M S University,
Baroda, India



Dr. Shrikaant Kulkarni
Sanjivani University, Kopargaon,
Maharashtra, India; Victorian Institute
of Technology, Melbourne, Australia



Dr. Shovit Bhattacharya
Bhabha Atomic Research Centre,
Mumbai, India



Dr. Rakesh Kumar Bhardwaj
Defense Research & Development
Organization, Dehradun, India

THRUST AREAS

A) CHARACTERISATION

- Investigation of Materials at the Nanoscale using Electrons, X-rays and Neutrons
- Surface, Interface and Thin Film Growth
- Advanced Applications of Ion Beams: Enabling a New Technology Era

B) PHOTONICS MATERIALS

- Optically Resonant Nanostructures
- Colloidal Semiconductor Nanomaterials for Optoelectronics and Photonics
- Terahertz Science and Technology
- Semiconductor Photonics
- Biophotonics and Nanomedicine

C) FUNCTIONAL MATERIALS

- 2D Materials and Heterostructures
- Quantum Materials and Applications
- Modeling and Simulation of Material System in All Aspects: From Theory to Application
- Smart Materials for Sensing & Acoustic Transduction
- Advanced Polymer Surfaces, from Advanced Surface Treatment to Dynamic Surfaces to Paint
- Functional pi-Systems, Materials and Devices
- Physical Properties of Metal-Organic Frameworks (MOFs)

D) ELECTRONIC MATERIALS

- Brain Inspired Electronics - Materials, Devices and Systems
- Magnetic and Spintronics Materials and Devices
- Wide Bandgap Electronic Materials

E) BIOMATERIALS

- Biomaterials in spine surgery
- Bioactive glasses
- medicine and drug delivery
- Tissue engineering
- Tissue scaffold
- Use of materials in bone scaffold

F) TECHNOLOGICAL PROCESSING

- Processing and manufacturing
- Next-Generation Nanoimprint Lithography: Products and Applications
- Advances in Nanoprinting
- Advances in Additive Manufacturing: Experiments and Modeling from Cutting-edge Fundamental and Applied Research
- Emerging Applications for Membranes - Discovery, Translation and Deployment
- Surface Engineering/Coatings
- Laser Machining and Sintering

G) NANOMATERIALS

- Nano-Ceramics and Nanohybrids for Energy, Water, Environment and Healthcare
- Nanostructured Materials for X-ray Scintillation
- Emerging Trends in Solution Processing of Advanced Functional Nanomaterials for Sustainable Development
- Materials for Quantum Information & Computing – Science & Engineering

H) ENERGY MATERIALS

- Photovoltaics, batteries
- Materials for Fuel cells, Hydrogen technologies
- Supercapacitors
- Halide Perovskite Materials for Photovoltaics, Lighting and Beyond
- Emerging Inorganic Materials for Solar Energy Harvesting: From Theory, Synthesis to Devices
- Advanced Materials for Thermoelectrics

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