ICKEM 2025 CALL FOR PAPERS

Leiria, Portugal March 11-13, 2025 www.ickem.org

Conference Committee

Conference Chairs

Prof. Alexander M. Korsunsky, Trinity College, University of Oxford, UK Prof. Geoffrey Mitchell, Institute Polytechnic of Leiria, Portugal

Conference Co-Chairs

Prof. Zeki Candan, BioNanoTeam, Istanbul University, Türkiye Prof. Jian Lu, City University of Hong Kong, HongKong Assoc. Prof. Ramirez-Castellanos Julio, Universidad Complutense, Spain Dr. Fatih Uzun, University of Oxford, UK

Program Chairs

Prof. Alexey I. Salimon, Skolkovo Institute of Technology (Skoltech), Russia Prof. Alexander Lunt, University of Bath, UK Prof. Dr Joris Everaerts, KU Leuven, Belgium Prof. Marco Sebastiani, Universitá Roma Tré, Italy

Program Co-Chairs

Prof. Kwang Choy, Duke Kunshan University, China

Prof. Carsten Gachot, Technical University Vienna, Austria

Prof. Pranut Potiyaraj, Chulalongkorn University, Thailand

Assoc. Prof. Henni Ouerdane, Skolkovo Institute of Science and Technology, Russia

Scientific Committee

Prof. Xu Song, Chinese University of Hong Kong, China Prof. Tea-Sung (Terry) Jun, Incheon National University, South Korea

Steering Committee

Prof. Gennady Chitov, Laurentian University, Canada

Prof. Marcelo Gaspar, Instituto Politécnico de Leiria, Portugal

Prof. Armando Ramalho, Instituto Politécnico de Castelo Branco, Portugal

Prof. Isaac Chang, Brunel Centre for Advanced Solidfication Technology, UK

Assoc. Prof. Marina Rynkovskaya, Peoples' Friendship University of Russia, Russia

Assoc. Prof. Andrzej Katunin, Silesian University of Technology, Poland

Dr. Enrico Salvati, University of Udine, Italy

Chapter Chairs

Assoc. Prof. losif-Vasile Nemoianu, University "POLITEHNICA" of Bucharest, Romania Assoc. Prof. A Safonov, Skolkovo Institute of Science and Technology, Russia **Publicity Committee**

Prof.Alibek Nurimbetov, Taraz State University, Kazakhstan Prof.Marvin Herrera, University of the Philippines Los Baños, Philippines Assoc. Prof. Mary Donnabelle Balela, University of the Philippines, Philippines Assoc. Prof. Ivy Colambo, University of the Philippines Los Banos, Philippines

TOPICS (included not limited)

1. Advanced Composite Materials

Development and application of composite materials Nanocomposites and their industrial applications High-performance composites for aerospace, automotive, and other industries

2. Metals and Alloys

Novel alloy design and processing Lightweight and high-strength metals Corrosion-resistant materials

3. Ceramics and Glasses

Advanced ceramic materials

Functional ceramics for electronic, optical, and energy applications Glass science and technology

7. Biomaterials and Healthcare Applications Development of biomaterials for medical devices and implants Drug delivery systems Tissue engineering and regenerative medicine 8. Smart and Functional Materials Self-healing materials Shape memory alloys and polymers Multifunctional and responsive materials 9. Materials Processing and Manufacturing Additive manufacturing and 3D printing Advanced machining and forming techniques Sustainable manufacturing practices 10. Characterization and Testing of Materials Advanced microscopy and spectroscopy techniq Mechanical testing and evaluation In-situ and real-time monitoring of material properties 11. Environmental and Sustainable Materials Development of green materials and technologies Recycling and reuse of materials Life cycle analysis of materials 12. Theoretical and Computational Materials Science Modelling and simulation of material behavior Data-driven materials discovery Computational techniques in materials science

4. Polymers and Polymer-Based Materials

Biodegradable and sustainable polymers High-performance and engineering polymers Polymer nanotechnology

5. Nanomaterials and Nanotechnology

Synthesis and characterization of nanomaterials Applications of nanomaterials in energy, medicine, and electronics Safety and environmental impact of nanomaterials

6. Materials for Energy Applications

Materials for energy storage and conversion Photovoltaic materials and devices Hydrogen storage materials

Submission Methods

Submission Deadline: February 10, 2025

1. Full paper (publication and presentation)

2. Abstract (presentation only)

**Submit paper via online system:

https://easychair.org/conferences/?conf=ickem2025

- **More detail about submission, please visit at
- https://ickem.org/instructions-for-authors.html

**ICKEM2025 will accept the online presentation for those who can't attend the conference.

Publication (indexed by Scopus)

Submitted papers will be reviewed by 2-3 reviewers. Accepted and presented papers in ICKEM 2025 will be published into Conference Proceedings or Journals, as followings:

**Note: After passing the TTP review, the article is assigned to the following publications according to the topic: >>Key Engineering Materials (ISSN: 1662-9795)/Materials Science Forum (ISSN: 1662-9752), Abstracting/Indexing: Scopus, Inspec (IET), CAS, etc. (only for papers related to Material)

>>Solid State Phenomena (ISSN: 1012-0394), Abstracted/Indexed in: Scopus, Inspec (IET, Institution of Engineering Technology), Google Scholar, ProQuest, etc.

>>Materials Science Forum (ISSB: 1662-9752), Abstracted/Indexed in: Scopus, Inspec (IET, Institution of Engineering Technology), Google Scholar, ProQuest, etc.

Contact Us









ickem@young.ac.cn