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15th - 18th September

E·MRS **2025 Fall Meeting**

Abstract deadline: June 2nd, 2025

15th - 18th September



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Faculty of Materials
Science and Engineering

WARSAW UNIVERSITY OF TECHNOLOGY

SCHEDULED SYMPOSIA

MATERIALS FOR ENERGY, SUSTAINABILITY AND EXTREME CONDITIONS

- A** Sustainable energy conversion: from emerging materials to devices
- B** Synergies and challenges for materials in extreme environments
- C** Exploring emerging photo and electrochemical systems for CO₂ conversion to fuels and chemicals (II)
- D** Frontiers in carbon science and technology II

CHARACTERIZATION, SIMULATION AND ARTIFICIAL INTELLIGENCE

- E** Materials discovery, modeling, and characterization for sustainable energy applications
- F** Advanced interoperability in atomistic simulations of materials
- G** Artificial Intelligence to accelerate the development of new advanced materials for energy
- H** Reliable characterisation of functional nanomaterials and of materials for energy storage or conversion
- I** Frontiers of imaging and spectroscopy in transmission electron microscopy

THIN FILM, FLEXIBLE AND COMPOSITE MATERIALS AND THEIR FORMATION TECHNIQUES

- J** Unconventional materials and flexible electronics for sustainable technologies
- K** 3D and additive manufacturing of organic materials and nanocomposites for advanced applications
- L** Progress in understanding fundamental, functional material and health aspects of melanins, polydopamine and related polyindole quinone materials
- M** Next-generation thin films: innovations in PVD and CVD techniques
- N** Synthesis and characterization of functional nanocomposite materials

ELECTRONIC, PHOTONIC, NANO, LOW-DIMENSIONAL AND QUANTUM MATERIALS

- O** Topological textures in antiferroic and ferroic materials
- P** 2D materials for magnetism and spintronics: from fundamentals to integrated technology
- Q** Group-IV semiconductor materials for nanoelectronics and cryogenic electronics
- R** Ultra-doped semiconductors made by non-equilibrium processing for electronic, photonic and spintronic applications IV
- S** Nanomaterials of the future: advancements in energy and sensing
- T** Smart materials for nanoelectronics - nanophotonics & European Doctorate Network: PCAM (Physics and Chemistry of Advanced Materials) Summer School 2025
- U** Metal oxide nanomaterials for advanced optoelectronics and environmental applications
- V** Integration of advanced materials on silicon: from classical to neuromorphic and quantum applications
- W** Defect-induced effects in low-dimensional and novel materials computational methods for materials design

ABSTRACT DEADLINE : JUNE 2nd, 2025

in fairness to all potential authors, late abstracts will not be accepted



Warsaw University
of Technology

