CALL FOR PAPERS

E-MRS 2020 Fall Meeting

14th-17th September
Warsaw University of Technology
Poland

The conference will include:
24 parallel symposia, one plenary session, one exhibition and much more

Abstract deadline: May 18th, 2020

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## SCHEDULED SYMPOSIA

### MATERIALS FOR ENERGY
- Materials for energy applications: hydrogen storage/production, solar cells, super capacitors, thermoelectric & carbon based materials
- Battery and energy storage devices: from materials to eco-design
- Advanced catalytic materials for (photo)electrochemical energy conversion II
- Materials for chemical and electrochemical energy storage
- Nuclear materials

### MODELLING AND CHARACTERIZATION
- Computer-aided materials modelling: fundamental and applied insights merging physics and chemistry viewpoints at the atomic-scale
- Modern computational methods and their applications in materials science: Synergy of theory and experiment
- European Nanoanalysis Symposium (8th Dresden Nanoanalysis Symposium "on tour")

### FUNCTIONAL MATERIALS
- Materials and technological solutions preventing biofilms and antimicrobial resistance
- Peptide self-assembly in materials science
- Integration of advanced materials on silicon: from classical to neuromorphic and quantum applications
- Emergent functional materials with respect to extreme conditions
- Interface phenomena in emerging electronic and energy technologies
- New frontiers in topological matters

### OXIDES, FERROELECTRICS
- Wide band gap (WBG) materials: theory, growth, characterization, and applications
- Phase transitions and properties of ferroics in the form of single crystals, ceramics and thin films – II, 2020
- (Hf,Zr)O₂-based ferroelectrics: from fundamentals to applications

### NANOPARTICLES AND NANOMATERIALS
- Nanomaterials- electronics & - photonics
- Design and Manufacturing of 3D optical nanostructures and nanophotonics
- Organized nanostructures and nano-objects: fabrication, characterization and applications V
- Advances in nanoparticles: synthesis, characterisation, theoretical modelling, and applications
- Polytypism in semiconductors

### MANUFACTURING AND TECHNOLOGY
- 3D printing and additive manufacturing for the industry of the future (2nd edition)
- Crystal Growth of Organic Materials

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**ABSTRACT DEADLINE:** **MAY 18th, 2020**

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