



European Materials Research Society

Spring Meeting 2018

from June 18th to 22nd / Strasbourg Convention Centre – France

Call for papers

deadline for abstract submission: 18 January 2018

Conference Chairs:

Thomas Anthopoulos, Imperial College London, U.K.
Eric Fogarassy, Université de Strasbourg, France
Rodrigo Martins, Uninova/CEMOP, Lisbon, Portugal
Michel Meunier, École Polytechnique de Montréal, Canada

MATERIALS FOR ENERGY AND ENVIRONMENT

- A** Thin Film Chalcogenide Photovoltaic Materials
- B** Theoretical searches for innovative materials for energy harvesting and storage
- C** Substitution and Recycling of Critical Raw Materials in Optoelectronic, Magnetic and Energy Devices -II

BIOMATERIALS AND NANOMEDICINE

- D** Carbon Materials: Surface Chemistry and Biomedical Applications III
- E** Nanotechnology for targeted personalized medicines and theranostics
- F** Advanced biomaterials: elaboration, nanostructure, interfaces with tissues

SEMICONDUCTORS AND NANODEVICES

- G** Carrier transport, photonics and sensing in group IV-based nano devices
- H** Charge Transport in Organic Semiconductors: Influence of Processing and Doping
- I** Materials Research for Group IV Semiconductors: Growth, Characterization and Technological Developments III
- J** Organic semiconductors: interfaces and charge transport

NANOMATERIALS

- K** Defect-induced effects in nanomaterials
- L** Carbon- and/or nitrogen-containing thin films and nanomaterials
- M** Block-copolymer self-assembly: fundamentals and applications
- N** Nanostructures for phononic applications

FUNCTIONAL MATERIALS

- O** Materials and devices for green photonics
- P** Solution processing and properties of functional oxide thin films and nanostructures-III
- Q** Aggregation-Induced Emission: Materials, Mechanism, and Applications
- R** Solid State Ionics: Advanced functional materials for solid state devices
- S** Polymer and hybrid thin films from innovative deposition techniques to functional devices
- T** Engineering of functional materials with chemical coating methods
- U** Advanced materials and architecture for organic, printable and bio-inspired photonics
- V** Epitaxial integration of dissimilar materials: challenges and fundamentals
- W** Hybrid materials: state of the art and new frontiers

MATERIAL PROCESSING AND CHARACTERIZATION

- X** Photon-Assisted Synthesis and Processing of Materials in Nano-Microscale
- Y** New developments in the modeling and analysis of radiation damage in materials
- Z** Scanning Probe Frontiers in Molecular 2D-Architecture World
- AA** Strength, plasticity, fracture and fatigue behaviour controlled by interfaces and grain boundaries
- BB** Current Trends in Optical and X-Ray Metrology of Advanced Materials for Nanoscale Devices V
- CC** Cultural Heritage-Materials, techniques and knowledge perspectives on a common identity

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