



European Materials Research Society

Spring Meeting 2020

May 25-29 | Congress & Exhibition Centre | Strasbourg | France

deadline for abstract submission: 15 January 2020

Conference Chairs:

Catherine DUBOURDIEU - Helmholtz-Zentrum - Freie Universität Berlin - Germany

Giovanni MARLETTA - University of Catania - Italy

Paolo SAMORI - ISIS - University of Strasbourg - France

Wenping HU - Tianjin University - P.R. China

Energy materials

- A Thin film chalcogenide photovoltaic materials
- B Advances in thermophotovoltaics: materials, devices and systems
- C Doping and charge transport processes in organic and hybrid materials for energy applications
- D Organic semiconductors for energy and electronics: from fundamental properties to devices
- E Exotic materials and innovative concepts for photovoltaics
- F 2D materials for energy applications
- G Chemical functionalization of 2D materials
- H Solid state ionics: advanced concepts and devices

Nanomaterials and advanced characterization

- I Laser material processing: from fundamental interactions to innovative applications
- J Advanced functional films grown by pulsed deposition methods
- K Recent advances and challenges in chemical synthesis and solution processing of advanced inorganic nanomaterials
- L Carbon- and/or nitrogen-containing thin films and nanomaterials
- M Defect-induced effects in nanomaterials
- N Advanced small-scale mechanical characterization: strength, plasticity, fracture and fatigue
- O New developments in the modeling and analysis of radiation damage in materials II
- P ALTECH 2020 - analytical techniques for precise characterization of nano materials
- Q Current trends in optical and X-ray metrology of advanced materials for nanoscale devices VI

Biomaterials and soft materials

- R Bioinspired and biointegrated materials as new frontiers nanomaterials X
- S Biohybrid nanomaterials: bioinspired, DNA- and peptide-based assemblies for sensing, delivery and electronics
- T Cellulose electronics and photonics: a new challenge for materials a new opportunity for devices III
- U Biocomputation: materials, algorithms, devices and fabrication

Electronics, magnetics and photonics

- V Carrier transport, photonics and sensing in group IV-based and other semiconductors nanodevices
- W Materials research for group IV semiconductors: growth, characterization and technological developments IV
- Y Neuro-inspired information processing: from novel materials concepts for neuromorphic computing to local processing of biological signals
- Z Substitution and recycling of critical raw materials in optoelectronic, magnetic and energy devices III

Symposium flagship

- X Sustainability

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