



May 14-18

Strasbourg, France

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**2012 SPRING MEETING**

**CALL FOR PAPERS**



STRASBOURG · FRANCE

SESSIONS: MAY 14 – 18 / EXHIBIT: MAY 15 - 17

**ABSTRACT DEADLINE: JANUARY 12, 2012**

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

## SCHEDULED SYMPOSIA

### MATERIALS FOR ENERGY

- A. Advanced Silicon Materials Research for Electronic and Photovoltaic Applications III
- B. Thin Film Chalcogenide Photovoltaic Materials
- C. Solid State Ionics: Mass and Charge Transport across and along Interfaces of Functional Materials
- D. Unconventional Thermoelectrics: from new materials to energy conversion devices
- E. Actinide compounds and properties
- F. Solid proton conductors (In honor of Prof. G. Alberti)

### BIO / ORGANIC / POLYMERIC MATERIALS

- G. Functional Biomaterials
- H. Organic and Hybrid Materials for Flexible Electronics: Properties and Applications
- I. Biological applications for organic electronic devices
- J. DNA Directed Programmable Self-assembly of Nanoparticles into Meta Materials for energy and other applications
- K. Surface modifications of carbon-related materials II

### MATERIALS FOR ELECTRONIC / PHOTONIC / PLASMONIC

- L. Novel Functional Materials and Nanostructures for innovative non-volatile memory devices
- M. More than Moore: Novel materials approaches for functionalized Silicon based Microelectronics
- N. Control of light at the nanoscale: materials, techniques and applications
- O. Applied Nanoplasmonics: Nanoplasmonic Functional Materials and Devices

### ADVANCED MATERIALS AND NANO MATERIAL

- P. Advanced Hybrid Materials II: design and applications
- Q. Novel materials and fabrication methods for new emerging devices
- R. Science and technology of nanotubes, graphene and 2D layered materials
- S. Novel materials for heterogeneous catalysis
- T. Physics and Applications of Novel gain materials based on Nitrogen and Bismuth Containing III-V Compounds
- U. Carbon- or Nitrogen-Containing Nanostructured Thin Films

### METHODS AND ANALYSIS

- V. Laser materials processing for micro and nano applications
- W. Current Trends in Optical and X-Ray Metrology of Advanced Materials for Nanoscale Devices III
- X. Quantitative Microscopy of Energy Materials
- Y. Advanced materials and characterization techniques for solar cells

### SATELLITE EVENT

*Nature Materials and E-MRS one day workshop*

*Conference Chairs : Claude DEGUELDRE, Thomas K. LIPPERT, Stefan MAIER & Luisa TORSI*

## E-MRS

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