European Materials Research Society

Spring Meeting 2019

IUMRS - ICAM International Conference on Advanced Materials

May 27-31 | Acropolis Congress Centre | **Nice** | France

deadline for abstract submission: 15 January 2019

Conference Chairs:

Anke WEIDENKAFF, Universität Stuttgart, Germany
Chinho PARK, Yeungnam University, Korea
Fu-Sheng PAN, Chongqing University, China
Motoko KOTANI, WPI - AIMR, Japan
William TUMAS, National Renewable Energy Lab., USA

MATERIALS FOR ENERGY

A Latest advances in solar fuels
B Emerging photovoltaics: strategies for more stable devices
C Batteries and supercapacitors: fundamentals, materials and devices
D Advances in silicon-nanoelectronics, -nanostructures and high-efficiency Si-photovoltaics
E Earth-abundant next generation materials for solar energy - III
F Advanced materials, components & processes for integrated autonomous micro-power sources
G Halide perovskites: low dimensions for devices
H Materials for applications in photocatalysis and photoconversion
I Recent developments in thermoelectric materials and applications
J Nuclear materials

BIO- AND SOFT MATERIALS

K Organic bioelectronics
L New strategies for smart biointerfaces
M Advanced carbon materials: electrochemical aspects

NANO-FUNCTIONAL MATERIALS

N Nano-engineered coatings and thin films: from design to applications
O Synthesis, processing and characterization of nanoscale multi functional oxide films VII
P Dielectric nanocomposites for energy, environment and health: from fundamental to devices
Q Polar oxides: synthesis, science and applications
R Smart materials for green buildings and vehicles: towards energy efficiency, energy utilization, and a healthy interior environment
S ANIM 3: advances and enhanced functionalities of anion-controlled new inorganic materials

2 DIMENSIONAL MATERIALS

T 2D semiconductors: applications and perspectives
U Hybrid composites incorporating low dimension materials for sensors and clean energy applications

MATERIALS, ELECTRONICS AND PHOTONICS

V Laser interactions with materials: from fundamentals to applications
W Semiconductor nanostructures towards electronic and opto-electronic device applications - VII
X Silicon carbide and related materials for energy saving applications

MODELLING AND CHARACTERIZATION

Y Studying the materials chemistry in solution utilizing X-ray spectroscopic and scattering studies
Z Advanced quantitative transmission electron microscopy: materials research in several dimensions
AA Computations for materials – discovery, design and the role of data
BB Cultural heritage – science, materials and technologies

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