Green and Unconventional Synthesis Approaches and Functional Assessment

Department of Chemistry, Campus University of Bari Aldo Moro 25-26 June 2020

http://www.unconventional-aim2020-bari.it

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SCOPE
AIM 2020 workshop will be a platform for presenting to students and experienced researchers an overview of the new developments and recent results in the field of unconventional and green synthesis of advanced inorganic materials and their functional assessment.

AUDIENCE
Master and PhD students and experienced researchers intending to approach or extend their knowledge on unconventional synthesis of advanced materials and discovering their unique potential. The presentations will have an introductory and didactic scope.

SESSIONS AND SUB-SESSIONS
A Unconventional and green synthesis approaches
   A1 for (photo)catalysis and energy conversion and storage
   A2 for biomedicine and health
B Scale-up of inorganic materials synthesis
C Synthesis optimisation and understanding - innovative experimental and computational approaches

FURTHER TOPICS
Advanced design - Computational-assisted development of syntheses, DoE, LCA
Unconventional synthesis approaches - Flow, high-throughput and solvothermal methods, polyl-assisted synthesis, biogenic approaches, microwave heating, deep eutectic/supercritical/ionic liquid solvents, shape/anisotropy/porosity control
Synthesis of hybrid organic-inorganic materials sol-gel, ceramics, biopolymer based, mesoporous
Characterisation and rationalisation - Synchrotron-based methods, operando and time-resolved crystallisation pathways investigation

NO REGISTRATION FEES but registration required
Please register at http://www.unconventional-aim2020-bari.it

ABSTRACT SUBMISSION
Please use the template available here: http://www.unconventional-aim2020-bari.it
Submission deadline 31/03/2020

Confirmed invited speakers
Plenary speakers
Prof. Markus Niederberger, ETH, Switzerland
Prof. Sanjay Mathur, University of Cologne, Germany
Prof. Liberato Manna, IIT, Italy

Keynote speakers
Prof. Simone Mascotto, University of Hamburg, Germany
Prof. Kirsten Marie Ømsbjerg, Jensen University of Copenhagen, Denmark
Dr. Cinzia Giannini, IC CNR, Italy

Chairpersons
Prof. S. Gross, University of Padova, Italy
Prof. M. L. Curri, University of Bari, Italy

Scientific Committee
Prof. J. Darr, UCL, London, UK
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