



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



AIM 2018

Advanced Inorganic Materials Green and Unconventional Synthesis Approaches and Functional Assessment

Department of Chemical Sciences
University of Padova (Italy)
September 5-7th 2018

MAIN TOPIC

This workshop will present to students and experienced researchers an overview of the latest developments in the field of unconventional and green synthesis of advanced inorganic materials and their functional assessment.

FOR WHOM

For master students, PhD students and experienced researchers, especially if new to these unconventional methods, but interested in discovering their unique potential. The presentations will have an introductory and didactical scope.

MAIN SESSIONS AND SUBSESSIONS

- A** Unconventional and green synthesis approaches
 - A1** for catalysis and energy storage & conversion
 - A2** for biomedicine and health
- B** Scale-up of inorganic materials synthesis
- C** Synthesis optimisation and understanding – innovative experimental and computational approaches

FURTHER TOPICS (not limited to...)

Advanced design

Computational-assisted development of the synthesis,
Design of Experiment (DoE), Life Cycle Assessment (LCA)

Unconventional synthesis approaches

flow or high-throughput methods and solvothermal methods
polyol-assisted synthesis, biogenic approaches, microwave heating
deep eutectic / supercritical / ionic liquid solvents
shape / anisotropy / porosity control

Characterisation and rationalisation

Synchrotron-based methods, operando and time-resolved crystallization
pathways investigation

NO REGISTRATION FEES – registration required

An attendance certificate will be provided

ABSTRACT SUBMISSION

Please follow the template available here:

<http://www.chimica.unipd.it/silvia.gross/workshop/home.html>

Submission deadline: 30/06/2018

Info & contacts: unconventionalgreen@gmail.com



SCIENTIFIC COMMITTEE

Prof. Gabriele Centi, University of Messina
Dr. Lucia Curri, IPCF-CNR, Bari
Prof. Jawwad Darr, UCL London
Dr. Paolo Dolcet, KIT Karlsruhe
Prof. Emiel Hensen, TU Eindhoven

Prof. Silvia Gross, University of Padova
Dr. Michael Lennartz, UMICORE AG, Hanau
Dr. Rafael Munoz-Espi, University of Valencia
Dr. Maurizio Peruzzini, DSCTM-CNR, Rome

Official sponsors



Recognized by



With the support of

