



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Workshop

**Advanced inorganic materials: green and
unconventional synthesis approaches
and functional assessment**
Department of Chemical Sciences
Padova, September 8th, 2017

Periodic workshop of the Bilateral Project

"Sustainable hydrothermal synthesis routes for nanocrystalline ferrites"

UCL-CNR-ICMATE

funded within the scheme

"Royal Society – CNR International Exchanges Award"

The following Institutions and Organisations support the Symposium:



Department of Chemical Sciences - University of Padova

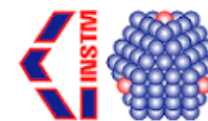


University College London

Doctoral Course in Molecular Sciences and Doctoral Course in Science and
Engineering of Materials and Nanostructures
Department of Chemical Sciences – University of Padova



Institute of Condensed Matter Chemistry and Technologies for Energy
ICMATE-CNR, Padova



Consorzio Interuniversitario Nazionale per la Scienza e Tecnologia dei Materiali



SOCIETÀ ITALIANA LUCE DI SINGROTRONE
ITALIAN SYNCHROTRON RADIATION SOCIETY
www.synchrotron-radiation.it

Italian Synchrotron Light Society (SILS)

Symposium Objectives

This Workshop intends to present to students and experienced researchers the main features and potentialities of **unconventional and/or green synthesis approaches** for the preparation of **advanced inorganic materials**. Focus will be also devoted to the assessment of the functional properties of this class of materials. The presentations (among which 4 key-notes) will mainly have an **introductory and didactical scope** with in mind an audience of Ph.D. students and researchers who do not yet employ green or unconventional methods but are interested in discovering their unique potential. Examples relative to specific areas (such as life sciences, catalysis, energy storage and production, sensors..) will be illustrated by the invited speakers and through the talks that will be selected based on the submitted abstracts.

THE SYMPOSIUM WILL BE HELD IN ENGLISH

Scientific Committee

Prof. Jawwad Darr, UCL London, UK
Dr. Paolo Dolcet, University of Padova, IT
Dr. Silvia Gross ICMATE-CNR, Padova, IT
Dr. Chris Starkey, UCL London, UK

Local Organising Committee

Mr. Nicola Dengo (DiSC)
Dr. Stefano Diodati (INSTM)
Dr. Paolo Dolcet (DiSC)
Dr. Silvia Gross (ICMATE-CNR)

Program and speakers

Morning session

9.00-9.15 Welcome

9.10-9.50 Keynote 1

Emiel Hensen, TU Eindhoven, NL
Understanding zeolite formation: towards rational design of hierarchically organized porous solids

9.50-10.10

Oral 1

10.10-10.30

Oral 2

10.30-10.50

Oral 3

10.50-11.20 Coffee break

11.20-12.00 Keynote 2

Lucia Curri, IPCF-CNR, Bari, IT
Soft chemistry strategies for synthesis and functionalization of colloidal (multifunctional) nanocrystals with emerging functional properties

12.00-12.20

Oral 4

12.20 -12.40

Oral 5

12.40 -13.00

Oral 6

13.00 -13.20

Oral 7

13:20-14.20 Lunch break

Afternoon session

14:20-15:00 Keynote 3

Jawwad Darr, UCL, London, UK
Continuous Hydrothermal Flow Synthesis; From Materials Discovery to >2kg/h Pilot plant.

15.00 -15.40 Keynote 4

Tommaso Carofiglio, DiSC, University of Padova, IT

Using the microfluidic platform as a tool to fabricate advanced inorganic nanomaterials

15.40 -16.00

Oral 8

16:00 -16.15 Coffee break

16:15-16:35

Oral 9

16:35-17:00 Flash presentations

(5 minutes each)

Five "flash" presentations by PhD students

17:00 Closure of the workshop

17:15-18:30 Poster session, spritz, wine & bread and optional meetings with the speakers

Location

The Symposium will take place in classroom H (Aula H) at the Department of Chemical Sciences, University of Padova, via Marzolo 1, Padova-Italy.
(www.chimica.unipd.it/content/dipartimento/dove-siamo).

Abstract Submission

Please follow the template available here:

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

Submission deadline: 15.07.2017

Free registration and attendance certificate

Symposium attendance is **free** provided you have registered, by sending an email to Stefano Diodati (stefano.diodati@unipd.it). The data will be used to prepare the attendance certificates. The book of abstracts will be made available in pdf file format to registered attendees.

Info & contacts:

Silvia Gross

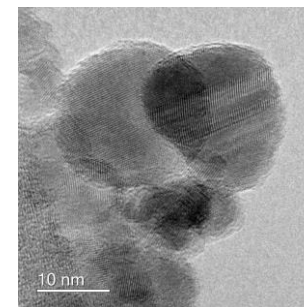
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ZnS nanoparticles produced by CHFS within the UCL-CNR bilateral project (2016)



Palinuro by Arturo Martini (1946)
Palazzo del Bo, Padova