

VENUE AND GENERAL INFORMATION

CONFERENCE VENUE

Dipartimento di Chimica Industriale "Toso Montanari", Viale Risorgimento, 4 - 40136 Bologna, Italy.

LANGUAGE

The official language will be English.

PARTICIPATION

Participation is free but please remember to register by sending an email to sinchem@unibo.it, with name, affiliation and email address by Feb 10th, 2015.

HOTEL ACCOMODATION

Only a limited number of rooms are available at Hotel Re Enzo at a special rate! Please make your own reservation (quote "SINCHEM meeting" in the email):

Hotel Re Enzo, Via Santa Croce 26
40122 Bologna - Italy

Tel: +39 051 52332 Fax: +39 051 554035

Email: events@hotelreenzo.it

Website: www.hotelreenzo.it

Under the Auspices of



Gruppo Interdivisionale di Catalisi



Divisione di Chimica Industriale



Associazione Italiana
di Scienza e Tecnologia delle Macromolecole

Italian Association of Science and Technology of Macromolecules



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI CHIMICA INDUSTRIALE
"TOSO MONTANARI"

Dipartimento di Chimica Industriale "Toso Montanari"

CONTACTS

SINCHEM Secretariat

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SINCHEM Programme website: www.sinchem.eu

SINCHEM Coordinator

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SINCHEM WINTER SCHOOL

February, 16th – 17th, 2015

Università di Bologna

Dipartimento di Chimica Industriale "Toso Montanari"

Viale Risorgimento, 4 - 40136 – Bologna

Aula 5



SINCHEM is an Erasmus Mundus Programme
Approved by EACEA under agreement 2012-0037

Chemistry, sustainability and innovation are three key components for the future of our society. Challenges for chemical sciences are crucial for solving also the main challenges society is going to face in the next few years: energy, food, clean water, medicines, protection of our environment and economic development. Therefore, sustainable chemistry is not only concerned with the reduction of hazardous substances, waste and the environmental impact of the chemical industry. It is also part of a strategic long-term vision of the future of our society, not disjoint from or antagonist to economic development but rather a key factor for innovation and competitiveness. "Turn research into jobs/business through innovation" is one of the key statements of the European Technology Platform for Sustainable Chemistry (SusChem). **SINCHEM** aims to foster this vision in the field of PhD students education.

SINCHEM is a three-year *international joint Doctoral Programme in Sustainable Industrial Chemistry* offered by a consortium of 30 partner institutions (7 full partners and 23 associated members). Strong industrial links to major companies in the field are a key part of the Consortium. The Erasmus Mundus Programme supports the academic excellence and attractiveness of SINCHEM Programme, offering very attractive scholarships.

The SINCHEM winter school is open to graduate students and researchers from University and Industry. Participation is free of charge.

SCIENTIFIC PROGRAM

Monday, February 16th

9:00-9:30 Welcome addresses

Angelo Vaccari (*Head of Department of Industrial Chemistry "Toso Montanari"*)

Aldo Roda (*Coordinator of the PhD programme in Chemistry, University of Bologna*)

Daniele Caretti (*President of the Italian Association of Science and technology of Macromolecules – AIM*)

SESSION I

Chair: Daniele Caretti, AIM, Bologna University

10:00 - "Polymers from renewable resources: state of the art and perspectives. Part 1" (Mariastella Scandola - Bologna University)

11:00-11:30 Coffee/Tea break

11:30 - "Polymers from renewable resources: state of the art and perspectives. Part 2" (Alessandro Gandini - University of São Paulo at São Carlos, Brasil)

13.00-14:30 Lunch

SESSION II

Chair: Fabrizio Cavani, Bologna University

14.30 - "Biomass based biorefinery: how to produce at industrial scale sustainable chemical intermediates". Dario Giordano (Biochemtex)

15.30 - "From biomass to advanced biofuel": the green diesel case". Carlo Perego (Eni - Donegani)

Tuesday, February 17th

SESSION III

Chair: Rinaldo Psaro, Interdivisional group of Catalysis - GIC

9:30 - "Chemo-catalytic valorisation of cellulose and sugars: catalyst design and reaction engineering" (Regina Palkovits - RWTH Aachen University)

11.00 Coffee/Tea break

11:30 - "Catalytic materials for hydrogen production" (Gianpiero Groppi - Politecnico di Milano)

13.00-14:30 Lunch

SESSION IV

Chair: Giorgio Strukul, Division of Industrial Chemistry - DCI

14.30 - "Artificial Photosynthetic Leaves" (G. Centi, S. Perathoner - Messina University)

15:30 - "Supercritical carbon dioxide: a new solvent for polymer synthesis and materials processing" (Steve Howdle - Nottingham University)

16:30 Concluding Remarks

