

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 5th, 2016**.

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 523322 Fax: +39 051 554035

Email: events@hotelreenzo.it

Website: www.hotelreenzo.it

CONTACTS

SINCHEM Secretariat

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SINCHEM Programme website: www.sinchem.eu

SINCHEM Coordinator

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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. "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 student education.

The **SINCHEM** winter school is open to graduate students as well as researchers throughout Europe and beyond. Participation is free of charge.

Under the Auspices of



Gruppo Interdivisionale di Catalisi



Divisione di Chimica Industriale



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

Dipartimento di Chimica Industriale "Toso Montanari"



IIIrd SINCHEM WINTER SCHOOL

February, 15th - 17th, 2016

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 2013-0037

SCIENTIFIC PROGRAM

Monday, February 15th

SESSION I

Realising the potential of researchers

Chair: Angelo Vaccari

(Head of Department of Industrial Chemistry "Toso Montanari")

09:00-9:30 Welcome addresses

Antonino Rotolo (*Vice Rector for Research, Unibo*)

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

09:30-10:15 "PhD in chemistry between industry and academia" (Dario Braga, Bologna University)

10:15-11:15 "Maximizing your career opportunities" (Katie Wheat, Training and Resources Development Manager, At Vitae, UK)

11:15-11:45 Coffee/Tea break

11:45-12:45 "How to get a job in Industry" (Peter Shaw, Chief Scientist at Synthomer)

12:45-14:15 Lunch (only provided for SINCEM members and Speakers)*

14:15-15:00 "Mobility opportunities for young researchers: the Individual Fellowships Marie Skłodowska-Curie (H2020)" (Silvia Cei - Mobility and Frontier Research Unit - ARIC Unibo)

15:00-15:45 "Creating the conditions to support/explore research-based entrepreneurship" (Rosa Grimaldi - Bologna University)

15:45-16:00 Coffee/Tea break

16:00-17:00 "Academic Spin-off companies":

- Lesepidado and Phenbiox (Leonardo Setti) 16:00-16:20
- StemSel (Kristel Martinelli) 16:20-16:40
- PolyCrystalline (Luca Covello) 16:40-17:00

17:00-17:20 "Alchemy Fine Chemicals and Research: between spin-off and start-up" (Elisabetta Passone, Alchemy)

17:20-17:40 "Final round table and conclusions"

Chairman: Prof. Dario Braga

Tuesday, February 16th

SESSION II

The contribution of photochemistry and photocatalysis to Sustainable Chemistry.

Chair: Alessandra Quadrelli (Lyon University)

09:00-10:00 "Light: a very peculiar reactant and product" (Giacomo Bergamini - Bologna University)

10:00-11:00 "Towards a solar-driven world-wide green chemistry web" (Guido Saracco - Politecnico Torino)

11:00-11:30 Coffee/Tea break

11:30-11:50 "Production of Solar Fuels using CO₂" (Marepally Banu Chandra, SINCEM PhD Student)

11:50-12:50 "Unconventional Routes to Upgrade Biomass Using MW and Photocatalysis" (Jose Antonio Lopez-Sanchez - Liverpool University)

12:50-14:15 Lunch (only provided for SINCEM members and Speakers)*

Session III

Industrial key studies in biorefinery development

Chair: Fabrizio Cavani (Bologna University)

14:15-15:00 "An Integrated biorefinery for the production of bio-elastomers" (Marco Ricci-Head of the Chemicals from Renewables Department, Eni-Versalis)

15:00-15:20 "Hydrogenation of furanic compounds using heterogeneous catalysts" (Maria Gyngazova, SINCEM PhD Student)

15:20-16:00 "Cargill vision on integrated biorefineries" (Massimo Bregola, New Business Development Manager Cargill - Starches & Sweeteners Europe)

16:00-16:45 "Novamont's model of 3^o generation biorefineries" (Luigi Capuzzi, R&D Manager Novamont)

Wednesday, February 17th

SESSION IV

Chair: Paolo Pollesel

(Interdivisional Group of Catalysis - GIC)

09:00-10:00 "Catalysis Challenges to Move to New Models of Biorefineries for a Low-Carbon Economy and Society" (Gabriele Centi - Messina University)

10:00-11:00 "H₂ production by photocatalytic reforming of oxygenated compounds" (Paolo Fornasiero - Trieste University)

11:00-11:30 Coffee/Tea break

11:30-11:50 "The chemical-loop approach in bio-alcohols reforming" (Elena Vozniuk, SINCEM PhD student)

11:50 -12:50 "Carbon Dioxide at the Interface of the Chemical and Energetic Value Chain - Challenges and Opportunities for Catalysis" (Walter Leitner - Aachen University)

12:50-14:15 Lunch (only provided for SINCEM members and speakers)*

SESSION V

Chair: Giorgio Strukul

(Division of Industrial Chemistry - DCI)

14:15-15:15 "Comparison of Different Chemical Processes from a Life Cycle Perspective" (Daniele Cespi - Bologna University)

15:15-15:35 "Alginate: a versatile biopolymer for functional advanced materials" (Asja Pettignano, SINCEM PhD Student)

15:35-16:30 "Entrepreneurship for Chemists" (Steve Howdle - Nottingham University)

16:30 Concluding Remarks

** Though the conference includes meals only for SINCEM members, there are many options to choose for a fast break near the conference site (see maps).*