

International Winter School

MOLECULES@SURFACES

31.1 – 5.2 2016
Villaggio Olimpico
Bardonecchia (Italy)

<http://www.nis.unito.it/ispc2016>



Adriano Zecchina – Un chimico fisico tra le nuvole

The Physical Chemistry Division of the Italian Chemical Society, is pleased to invite you to the **Molecule@Surfaces** international winter school in Bardonecchia, Italy, from January 31 to February 5, 2016.

Lectures will be oriented to undergraduate students, PhD students and postdocs, covering a comprehensive path from fundamental aspects to cutting-edge applications of interactions&reactions of molecules with surfaces, relevant in the environment, health and sustainable growth domains.

Scientific Committee

Vincenzo Barone
Silvia Bordiga
Salvatore Coluccia
Leonardo Marchese
Giovanni Marletta
Gianmario Martra
Roberto Orlando
Paolo Pollesel
Elena Selli
Giorgio Strukul
Stian Svelle
Piero Ugliengo

organized under
the auspices of the



Physical Chemistry Division
of EuCheMS

Local Organizing Committee

Gloria Berlier
Francesca Bonino
Silvia Casassa
Alessandro Damin
Anna Maria Ferrari
Elena Groppo
Giuliana Magnacca
Maela Manzoli
Lorenzo Maschio
Sara Morandi



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Topics

Surfaces: structure, electronic states, defects

Metals and oxides, inner porous surfaces, Langmuir-type surfaces made of molecules; surface imaging techniques

Molecules@surfaces: foundations

Quantitative aspects of adsorption, modeling, spectroscopy, enhancement of surface spectroscopic behaviors

Molecules & Surfaces at work

Adsorption: membranes, self assembled monolayers, adsorption of biomolecules

Reactivity: catalysis, photo-electrochemistry, surface bio-chemistry, industrial supported metal catalysts

Molecules@surfaces and quality of life

Food, translational medicine, cultural heritage

Highlights

- lessons also from industrial researchers
- one session of exercises on modeling
- abstracts published in an ISBN coded book (editors: B. Civalleri, G. Ricchiardi, D. Scarano, G. Spoto)
- dinner at a mountain refuge
- discount on the daily ski-pass (optional)
- possible extension to the final w.e. (February 6/7) on holiday (optional)

Registration and submission

Registration fee: **550** Euros, including **full board** in the period 31.1-5.2 2016, school material, social dinner

Deadline registration: November 15, 2015

Deadline abstract: November 30, 2015

Notification of grants (1/2 registration fee) attribution: December 15, 2015

All info and details at: <http://www.nis.unito.it/ispc2016>

Contacts

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Phone: +39-011 670 8383

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Speakers (already confirmed)

Baglioni P., University of Florence (IT)
Beato P., Haldor Topsøe (DK)
Bergese P., University of Brescia (IT)
Boffa V., Aalborg University (DK)
Cossi M., University of Eastern Piedmont (IT)
Licciardello A., University of Catania (IT)
Lambert J.-F., University P.et M. Curie, Paris VI (FR)

Lillerud K. P., University of Oslo (NO)
Pacchioni G., Università Milano Bicocca (IT)
Pellegrini R., Chimet SME (IT)
Pradier C.-M., University P.et M. Curie, Paris VI (FR)
Rimola A., Autonomous University of Barcellona (ES)
Samorì P., University of Strasbourg (FR)
Tagliapietra R., Renishaw (IT)
Thibault-Starzyk F., University of Caen (FR)

Preliminary Program

	Sun Jan 31	Mon Feb 1	Tue Feb 2	Wed Feb 3	Thu Feb 4	Fri Feb 5
8.30-12.30	Arrival & Registration	Lectures	Lectures	Lectures	Lectures	Lectures
12.30-17.30		Lunch & free time	Lunch & free time	Lunch	Lunch & free time	Lunch & free time
17.30-19.00	Opening lecture	Lectures	Lectures from industrial researchers	Theoretical modeling hands-on session	Lectures from industrial researchers	
19.00-20.30	Dinner	Dinner	Dinner	Social Dinner at mountain refuge	Dinner	
20.30		Poster session	Poster session		Poster session	