Monday, 29.08.

08:00	Registration
	Chair: David M. Smith
09:00	Plenary Lecture II: Tim Clark, Local Properties
	in Simulations of Charge Transport
09:45	Christian R. Wick, Semiempirical MO-Theory
	for Large Systems
10:10	Chiara Panosetti, Better (Random) Walking
	Through Chemistry: How Not to Get Lost in
	Vast Configurational Spaces
10:35	Break
11:00	Janez Mavri, How are Biogenic Amines
	Decomposed by Monoamine Oxidases:
	Lessons from Multiscale Simulation
11:35	Jernej Stare, Reaction Pathway Sampling by
	Empirical Valence Bond Simulation: From Gas
	Phase to Enzymes
12:00	Danijela Barić, Reduction of Ribonucleotide in
42.20	Prebiotic Conditions
12:30	Lunch
12:50	DS: Tissues / Free Time
	Chair: Borislav Kovačević
15:20	Plenary Lecture III: Stefano Stranges,
	Perspectives in Studying Free Radical-Surface
	Interaction by Synchrotron Radiation
16:05	Ines Despotović, Pyridine-Based Macrocyclic
	Compounds as an Efficient Tool for the Metal
	Cation Binding
16:30	Break
	Chair: Zoran Miličević
17:00	Sonia Coriani, The Molecular Response to
	Electromagnetic Fields: A Wonderful
	Playground for a Computational Chemist
17:35	Luca Grisanti, Structure-Related Fluorescence
	and Proton Delocalization in Amyloid Proteins

18:00	Marco Ruberti, Coherence and Ionic State
	Produced After Multiphoton Molecular
	Ionization
18:25	Antonio Prlj, Challenges in Description of
	Optical and Electronic Properties of
	Heteroaromatic Molecules
18:45	Dinner
	Chair: Aurora Ponzi
20:15	Plenary Lecture IV: Maria Novella Piancastelli,
	Acetylacetone Femtochemistry at FERMI-LDM
21:00	Refreshments at the Posters

Tuesday, 30. 08.

Chair: Damir Kralj

09:00	Plenary Lecture V: Giuseppe Falini,
	Biomaterials Inspired from Biomineralization
09:45	Zlatko Brkljača, Biomineralization and
	Biomineralization-Inspired Drug Design:
	Calcite-Peptide Interactions
10:10	Lara Štajner, Interaction between Calcium
	Carbonate and Selected Amino Acids
10:35	Robert Stepić, Theoretical Study of Amino
	Acid-Calcite Interface
10:55	Break
11:30	Davor Kovačević, Polyelectrolyte Multilayers:
	Properties and Applications
12:05	Ali Hassanali, Holes in Liquid Water and Other
	Hydrophobic Effects
12:40	Zoran Miličević, Effect of Electric Fields on
	Transport Properties of Small Solutes in
	Aqueous Environments
13:05	Lunch
13:40	DS: Calcite/Free Time

Chair: Zlatko Brkljača Marco Haumann, Surface Influences on 16:30 Catalytic Performance of Supported Ionic Liquid Phase (SILP) Materials Yaroslava Lykach, Model Catalysis with Ionic 17:10 Liquids Daniel Berger, Multiscale Simulation of SILP 17:35 18:00 Christof Jäger, Towards Engineering Radical SAM Enzymes - Insights into Biocatalysis and Biomaterial-Ionic Liquid interactions 18:25 Nataša Vučemilović-Alagić, Ionic Liquids at Interfaces 18:45 Dinner Chair: Ana-Sunčana Smith 20:15 Plenary Lecture VI: Jens Harting, Soft Particles at Fluid Interfaces: the Interplay of Deformability and Surface Tension

Wednesday, 31.08.

Refreshments at the posters

21:00

Chair: Adriana Lepur

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09:00	Anđela Šarić, Physical Determinants of
	Pathological Protein Aggregation
09:35	Maryam Aliee, Interaction of Polarity Fields
	Driving Pattern Formation in Tissues
10:00	Robert Blackwell, A Biophysical Model for the
	Formation of Mitotic Spindle Bipolarity
10:25	Sara Kaliman, Formation of Epithelial Tissues
	on Inorganic Functional Surfaces: Space
	Tessellation on Micro and Macro Scale
10:45	David M. Smith, Closing Remarks
11:00	DS: Ionic Liquids / Free Time
12:30	Lunch

Sunday, 28.08.

11:00	DS: Membranes
13:00	Lunch
14:00	Registration
15:00	David M. Smith, Opening Remarks
	Chair: Ana-Sunčana Smith
15:10	Plenary Lecture I: Sabine Maier, On-Surface
	Synthesis and Self-Assembly of Molecular
	Nanostructures: From Metal to Insulator
	Surfaces
15:55	Tajana Preočanin, Charging of Solid Surface /
	Aqueous Interface: Surface Potential
	Measurements
16:30	Break
	Chair: Nađa Došlić
17:00	Milena Petković, Formation and Oxidation of a
	P-C _{carbone} Bond
17:35	Aurora Ponzi, TRPES as a Probe for Ultrafast
	Excited State Dynamics: an Exploratory
	Investigation of Furan
18:00	Jurica Novak, Photodynamics of Retinal
	Chromophore-Counterion Pairs
18:25	Marin Sapunar, Nonadiabatic Dynamics and
	Photoelectron Spectroscopy Simulations of
	Pyrrole
18:45	Dinner
20:15	Poster Session



What?

The key project goal is to establish a network of professional training of young scientists in interdisciplinary research of innovative surfaces and materials.

Who?

The realization of the network will be under the supervision of a high-quality team of eminent scientists with complementary expertise, designed to simultaneously solve several related problems, all of which are of direct relevance to the project goals.

Why?

Response to problems in the research, development and innovation system: continuous brain drain of researcher personnel; lack of career supporting opportunities for junior and young researchers and a weak linkage between the science, research and business sector.

Workshop organizing committee:

Aurora Ponzi

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Zlatko Brkljača

Zoran Miličević

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Workshop Innovative Surfaces and Materials

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