

WEDNESDAY, October 23

SLONANO 2013 PROGRAMME

THURSDAY, October 24

FRIDAY, October 25

WEDNESDAY, October 23

8:45-9:00 Welcome: Dragan Mihailović, Denis Arčon, Albin Pintar

Nano-shaped material for energy production	
9:00 - 9:30	Javier Pérez-Ramírez: Catalytic processes for halogen recycling: past, present, future
9:30-10:00	Annamaria Petrozza: Excitons versus Free Charges: a Photophysical Picture of Tri- Halide Organo-lead Perovskites for Highly Efficient Hybrid Solar Cells
10:00-10:15	Gleb Verysov: MoS2 nanoparticles as catalyst for hydrodeoxygenation of liquefied wood

10:15 - 10:35 coffee break

10:35 - 11:05	Allessandro Trovarelli: Shape dependent activity of ceria-based catalysts in combustion reactions
11:05 - 11:20	Ilija Gasan Osojnik Črnivec: Nanocrystalline Zr incorporated CeO2 with superior redox properties as designated NiCo catalyst carriers for CO2-CH4 methane reforming
11:20 - 11:35	Maxim Zabilsky: Catalytic N2O decomposition over CuO-CeO2 mixed oxides
11:35 - 11:50	Blaž Likozar: Intrinsic Kinetics of Transesterification Reactions for Biodiesel Production using Homogeneous and Heterogeneous Catalysis

11:50 - 12:30 Lunch

12:30 - 13:00 POSTER SESSION	
13:00 - 13:30	Guglielmo Lanzani: the organic approach toward an artificial retina
13:30 - 13:45	Peter Topolovšek: Application of P3HT:MoS2 blends as an active material in organic solar cells
13:45 - 14:00	Ana Varlec: Microscopic and spectroscopic investigation of MoS2 nanotubes/P3HT nanocomposites
14:00 - 14:15	Nevena Čelic: The increased efficiency of P3HT:PCBM solar cells with addition of MoSI nanowires
14:15 - 14:30	Vida Lapornik: Manganese-functionalised zeolite silicalite-1 in lithium sulphur batteries

14:30 - 15:00 coffee break

THURSDAY, October 24

Inorganic nanostructures and composites	
9:00 - 09:30	Oleg Yazyev: Towards realizing magnetic materials and nanostructures based on graphene: a theorist's perspective
9:30-9:45	Lucija Čoga: Surface behaviour of amphiphilic molecules
9:45-10:00	Saim Emin: Photoelectrochemical investigation of textured porous CuO thin films prepared from electrodeposited CuCl

10:00 - 10:35 coffee break

P-electron nanostructures	
10:35 - 11:05	Gašper Tavčar: Novel chemical routes for the alkali metal "doping" of polycyclic aromatic hydrocarbons and characterization of their physical properties
11:05 - 11:35	Andrea Goldoni: "With a little help from a friend": the Picene story + C60
11:35 - 11:50	Vladimir Baranov: Hysteretic current-voltage characteristics of superconducting channels

11:50 - 12:30 Lunch

12:30 - 13:00 POSTER SESSION	
Applications	
13:00 - 13:30	Yutaka Ohno: Carbon nanotube thin films for flexible electronics applications
13:30 - 13:45	Boštjan Erjavec: Modified titanate nanotubes as promising photocatalysts for degradation of bisphenol A solution
13:45 - 14:00	Renata Kaplan: Catalytic wet air oxidation of nonbiodegradable organic chemicals in the presence of titanate nanotubes
14:00 - 14:15	Peter Dušak: Effect of ionic strength on the heteroagglomeration of two types of nanoparticles in an aqueous suspension

14:15 - 14:45 coffee break

FRIDAY, October 25

Advanced microscopy techniques	
9:00 - 09:30	Carla Bittencourt: NEXAFS measurements of nanoribbons: nanoscale spectroscopy with polarized X-rays
9:30 - 10:00	Goran Dražić: Atomic resolution scanning transmission electron microscope - first results and impressions
10:00-10:15	Violeta Simic Milosevic: New milestones in scanning probe microscopy

10:15 - 10:35 coffee break

10:35 - 11:05	Mom Sinn Aw: Non-eroding nanoporous materials: Novel concepts for controlling drug release
11:05 - 11:20	Abdou Hassani: Microscopic charge transport properties of pristine and doped carbon nanotube thin film transistors
11:20 - 11:35	Martin Rigler: Ellipsometric characterization of optically anisotropic AlN thin films with rough surfaces
11:35 - 11:50	Iulia Mikulska: Effect of doping concentration on the ferromagnetic properties of Fe-doped BaTiO3

11:50 - 12:30 Lunch

12:30 - 13:00 POSTER SESSION	
13:00 - 13:15	Jože Buh: Template synthesis of single phase d3-MoN superconducting nanowires
13:15 - 13:30	Martin Strojnik: Dimensional crossover in ultrathin molybdenum nanowires
13:30 - 13:45	Andrej Kovič: Molybdenum based nanowires and nanotubes
13:45 - 14:00	Anna Pogrebna: Photoexcited Eu2+ spin dynamics in EuFe2(As1-xPx)2
14:00 - 14:15	Ivan Madan: Superconducting fluctuations in Bi2Sr2CaCu2O8+d

Closing Remarks

14:30 - 15:00 coffee break