

WEDNESDAY, October 20

08:50 - 09:00	Welcome: prof.dr. Dragan Mihailović, dr. Samo Hočevar
Session title : Synthesis and Structures	
9:00 - 09:25	Giordano Cristina: Novel Synthetic Approaches to Metal Nitride and Metal Carbide Nanostructures
09:25 - 09:55	Haluska Miroslav: Growth of SWCNTs and their integration in sensors
09:55 - 10:10	Rangus Mojca: Investigation of crystallisation process of zeolite Ti_beta

10:10 - 10:35 coffee break

Session title: Titanates and TiO2	
10:35 - 11:00	Bittencourt Carla: Investigation of the electronic structure of sodium titanate nanoribbons using Near-edge X-ray Absorption Fine Structure combined with Transmission X-ray microscopy (TXM-NEXAFS)
11:00 - 11:15	Zaharescu Maria: Influence of the precursors on the thermal and structural stability of titanate based nanotubes
11:15 - 11:30	Bračko Ines: Ag Nanoparticles on titanate nanobelts vis self-assembly of weak polyelectrolytes
11:30 - 11:45	Šetinc Tina: Hydrothermal preparation of nanosized Na0.5 Bi0.5TiO3
11:45 - 12:00	Umrani Z. Ali: Detailed-Balance Efficiency Calculations for Intermediate - Bandgaps Solar Cells (IBSC) based on Ti Oxo-Polymer

12:00 - 13:30 Lunch and poster session

Session title: Functionalization and preparation of thin layers	
13:30 - 13:55	van der Wiel: Hybrid inorganic-organic spin electronics
13:55 - 14:10	Cecowski Saša: Thin Films of Cubic Mesoporous Alumino-phosphates modify by Silicon and Manganese
14:10 - 14:25	Panjan Matjaž: Influence of planetary rotation on the layer structure of nanolayered coatings
14:25 - 14:40	Quintana Mildred: Localization of Functional Groups Grafted to Carbon Nanostructures. Au Nanoparticle as Contrast Markers

14:40 - 15:10 coffee break

Session title: Bio-nanostructures	
15:10 - 15:25	Kralj Igič Veronika: Effect of external parameters and procedure dynamics on isolation of nanovesicles from blood
15:25 - 15:40	Rigler Martin: Self-assembly of G-rich DNA oligonucleotides in aqueous solutions
15:40 - 15:55	Migliorini Elisa: Effect of PDMS nanopatterned substrates on Embryonic Stem Cells differentiation into neuronal lineage
15:55 - 16:10	Devetak Miha: Langmuir and Langmuir-Blodgett films of lipophilic guanosine and adenosine derivatives

THURSDAY, October 21

Session title: Catalysis	
9:00 - 09:25	Daniele Salvatore: Electrochemistry of Nanostructured Platinum Microelectrodes. Applications in Electroanalysis and Electrocatalysis
09:25 - 09:55	Bonchio Marcella: Water Oxidation Catalysis at Nanostructured Polyoxometalate Interfaces
09:55 - 10:10	Šurca-Vuk Angela: Nanocomposite Semi-Solid Electrolytes based on Alkoxysilyl Functionalised Iodide and Mesylate Ionic Liquids

10:10 - 10:35 coffee break

Session title : Structures	
10:35 - 11:00	Koster Gertjan: Diffusion driven self organisation of SrRuO3 nanowires on ordered surface terminations
11:00 - 11:15	Primc Darinka: Core-shell nanocomposites of hexagonal (SrFe2O19) and spinel (γ-Fe2O3) ferrite nanoparticles
11:15 - 11:30	Viršek Marko: Fast LDOS mapping on single molecules
11:30 - 11:45	Zhubina Irina: Photoexcitation of free charge carriers in SnO2 nanocrystals for sensor application

11:45 - 13:15 Lunch and poster session

Session title: Nanocomposites with Polymers	
13:15 - 13:40	Compagnini Giuseppe: Nanostructures obtained by laser ablation and plasma generation in liquid environments
13:40 - 13:55	Logar Manca: Polyelectrolyte multilayer (PEM) template assisted TiO2 and Composite Ag(x)/TiO2 thin film synthesis
13:55 - 14:10	Malin Franci: Polymer-Nanoclay Composites: A review of Recent Developments
14:10 - 14:25	Gadermaier Christoph: Chemical and optical doping of an inorganic polymer

14:25 - 15:00 coffee break

Session title: Surface	
15:00 - 15:25	Hassanian Abdou: Nanoscale Superconductivity in (BETS)2GaCl4 Molecular chains
15:25 - 15:50	Meier Johan M.: The nanostructure and mechanics of MWCNT reinforced TPEs for application as large strain-mechanical gauges
15:50 - 16:05	Pakdast Hossein: Triple Coupled Cantilever Systems
16:05 - 16:20	Žitko Rok: Localized sub-gap states in quantum dots and magnetic impurities coupled to superconductors
16:20 - 16:35	Zupanič Erik: Pinning of adsorbed cobalt atoms by the defects embedded into the copper (111) surface
16:35 - 16:50	Kavčič Blaž: Fabrication of Microstructures with Sub-micrometer Element Spacing Using Laser Direct Imaging UV Maskless Lithography

FRIDAY, October 22

Session title: Sensors	
9:00 - 09:25	Merkož Arben: Nanoparticles for DNA, Protein and cell sensors
9:25 - 9:40	Preininger Claudia: Nanostructures in protein chips: effect of print buffer additive and wettability on immobilization and assay performance
9:40 - 09:55	Trefalt Gregor: Ink-jet Printing of Aqueous Suspensions Contacting TiO2 Nanoparticles

10:00 - 10:35 coffee break

Session title: Varia	
10:35 - 11:00	Panagopoulos Christos: Control of interlayer magnetic interaction at the atomic scale in oxide heterostructures
11:00 - 11:25	A.C. Cefalas: Size and Quantum effects in InN nano-domains
11:25 - 11:40	Tchernychova Elena: KTaO3 ceramics: Nanoscale Compositional Analysis as an Assisting Tool in Improving the Dielectric
11:40 - 11:55	Ovtar Simona: Adsorption of dodecylbenzene sulphonic acid onto barium hexaferrite particles for the preparation of
11:55 - 12:05	Closing remarks: prof.dr. Denis Arčon

12:05 - 13:30 Lunch