

**Program of 2nd International research and practice conference
 “NANOTECHNOLOGY and NANOMATERIALS”
 27-30 August, 2014, Conference Hall of Lviv I. Franko National University
 1, Universytetska St., Lviv, 79000, Ukraine**

Wednesday, 27.08.2014	
9:00 – 10:00	Registration
10:00 – 10:10	Welcome greetings of Academician A.G. Naumovets, Vice-President of NASU (Ukraine)
10:10 – 10:15	Welcome greetings of Ivan Franko National University of Lviv Rector, Prof. Volodymyr Melnik (Ukraine)
10:15 – 10:20	The opening speech of NASU corresponding member Prof. Leonid Yatsenko, Director of Institute of Physics, NASU (Ukraine)
10:20 – 10:25	Introduction speech from Partner of Nanotwinning Project Prof. Gianmario Martra (Italy)
10:25 – 10:30	Introduction speech from Partner of Nanotwinning Project Dr. Leonid Dolgov (Estonia)
10:30 – 10:40	Introduction speech from Manager of Nanotwinning Project Dr. Olena Fesenko (Ukraine)
Section “Nanostructured surfaces”	
10:40 – 11:05	Prof. Francesco Bonaccorso – Graphene and 2d crystals: from research labs to the market place (Italy)
11:05 - 11:30	Prof. Dmytro Kharchenko - Nanosize clusters formation at condensation from gaseous phase in overdamped stochastic reaction-Cattaneo systems (Ukraine)
11:30 – 11:55	Prof. Alexander Gabovich - Stationary Josephson tunnel current in junctions involving d-wave superconductors with charge density waves (Ukraine)
11:55 – 12:20	Coffee break and group photo
Section “Nanoobjects microscopy”	
12:20 – 12:45	Prof. Oleksiy Nazarov - Synthesis and characterization of the graphene flakes on Ni (Ukraine)
12:45 - 13:10	Prof. Tetyana Konstantinova - Microscopy of oxide nanoparticle ensembles (Ukraine)
13:10 – 13:35	Prof. Volodymyr Karbivskyy - Scanning tunneling microscopy of Cu, Ag and Au monolayers (Ukraine)
13:35 – 14:00	Dr. Artem Ponomarov - Proton beam writing for nanofabrication: First achievements of Sumy nuclear microprobe (Ukraine)
14:00 – 15:00	Break
Section “Nanostructured surfaces”	
15:00 – 15:15	Dr. Vasyl Kharchenko - Scaling properties of pyramidal islands formation process at epitaxial growth (Ukraine)
15:15 – 15:30	Dr. Agnieszka Chrzanoska - Dynamical properties of 2D aggregates in patchy particle systems (Poland)
15:30 – 15:45	PhD Dmytro Komysh - Nanostructured architectures on the heater surface at nanofluids pool boiling and its role in the intensification of heat transfer (Ukraine)
15:45 – 16:00	Dr. Emir Alper Türkoğlu - Detection of diclofenac using surface plasmon resonance biosensor (Turkey)
16:00 – 16:30	Coffee Break
Special Section “ Electromagnetics of Nano-Carbons”	
16:30 – 16:45	Prof. Stefano Bellucci – Graphene nanoplatelets as variable resistors for the design of broadband tunable microstrip attenuators (Italy)
16:45 – 17:00	Prof. Leonid Chernozatonskii - Acoustic microscopy of epoxy-graphite nanocomposite (Russia)
17:00 – 17:15	Prof. Galyna Dovbeshko – Optical properties of graphene layers (Ukraine)
17:15 – 17:30	Dr. V.A. Demin - Electronic properties of Graphene-h-BN nanomeshes (Russia)
Training module about participation in HORIZON-2020	
17:30 – 18:00	Mr. Vladimir Arkhangelski, "Horizon 2020: Opportunities for Ukrainian scientists" (Greece)
18:00 – 19:30	Poster session
1.	Prof. Hryhoriy Il'chuk - The gold nanoparticles on the CdS semiconductor films morphology and optical properties (Ukraine)
2.	Dr. Ivan Ivanovich Gab - Annealing influence on morphology and structure of metal nanofilms have been deposited onto nonmetallic materials (Ukraine)
3.	Dr. Yuliya Vyshnevskaya - Surface engineering using in situ synthesis of hybrid polymeric materials (Ukraine)
4.	Dr. Svitlana Zayika - Computer simulation of diffusion in submonolayer coadsorbed films on 1

	atomic anisotropic faces (Ukraine)
5.	Dr. Aleksandr Dombrovskiy - Nanostructuring of the metal Surfaces by femtosecond laser pulses (Ukraine)
6.	Dr. Ivan Gab - Annealing influence on morphology and structure of metal nanofilms have been deposited onto nonmetallic materials (Ukraine)
7.	Dr. Liudmila Yatsenko - Nanostructures formation on the Ti-6Al-4V alloy surface under laser irradiation (Ukraine)
8.	Dr. Bogdan Kushnir - Topology of surfaces of ZnO thin oxide films formed on GaSe layered crystals surfaces (Ukraine)
9.	Dr. Ruslan Kravchuk - Nanorelief of polyimide films treated by a stream of atmospheric pressure plasma optimized for liquid crystal alignment (Ukraine)
10.	Dr. Sergei Buryan - Peculiarities of density spatial profiles of fluid in the field of rigid wall (Ukraine)
11.	Dr. Julia Burlachenko - Sensing properties of fullerene-aluminium nanostructured films (Ukraine)
12.	Dr. Przemyslaw Raczynski - Molecular dynamics of thin mesogene layer covering carbon nanotube (Poland)
13.	Dr. Viacheslav Vinichenko - Electrophysical features of In ₂ O ₃ +(5%)SnO ₂ /Si heterostructures based on Si substrates of different type (Ukraine)
14.	Dr. Viktoriia Tsukrenko - Nanocrystalline powder in the ZrO ₂ -Y ₂ O ₃ -CeO ₂ -Al ₂ O ₃ -CoO system as basis for bioinert ceramics (Ukraine)
15.	Dr. Sergii Sologub - Growth of epitaxial Bi-films on vicinal Si(111) (Ukraine)
16.	Dr. Liubov Sus - Pulse electrodeposition of gold nanoparticles in dimethylformamide solution of H[AuCl ₄] (Ukraine)
17.	Dr. Daniel Pawlak - Effect of carbon chain length of perfluorinated alkyl chlorosilanes on the surface free energy of modified surfaces (Poland)
18.	Dr. Maksym Iurzhenko - Nanoscale structurization in welded joint of different types of PE (Ukraine)
19.	Dr. Iryna Lysenko - Stochastic model of stationary patterns formation during ion sputtering (Ukraine)
20.	Prof. Galyna Nazarchuk - Effect of synthesis conditions on the formation of spherical silica particles with sulfur-containing surface layer (Ukraine)
21.	Dr. Aleksandr Kuprin - Effect of surface treatment on the nanohardness of zirconium alloys E110 and E125 (Ukraine)
22.	Dr. Inna Melnyk - Sorption of Ag (I) ions by SH-functionalized planar ceramic membranes (Ukraine)
23.	Dr. Tymofii Nikolaienko - Effect of molecular confinement of C ₆₀ on the van der Waals bonding in clusters of helium (Ukraine)
24.	Dr. Viacheslav Sergevich Solntsev - Drug delivery systems based on silicon nanoparticles (Ukraine)
25.	Dr. Tamara Ignatieva - Effects of structured magnetic substrate on proliferation and adhesion of cell culture (Ukraine)
26.	Dr. Muharrem Gökçen - Electrical properties of metal-semiconductor structures with new poly(propylene glycol)-b-polystyrene block copolymer nanofibers interfacial layer (Turkey)
27.	Dr. Abdulkadir Allı - Synthesis, micelle formation and Au/Ag nanoparticle stabilization of thermo-responsive graft copolymers (Turkey)
28.	Dr. Victor Dan`ko - The nanostructuring of surfaces and films using interference lithography and chalcogenide photoresist (Ukraine)
29.	Dr. Yuriy Stetsyshyn - Formation and properties of the novel surface-grafted polymer brushes based on the poly(pentaerythrityl monomethacrylate) (Ukraine)
30.	Dr. Yuriy Hyrka - Field effect and surface potential in structures with Ge-nanoclusters (Ukraine)
31.	Dr. Taras Hanulia - Angular ellipsometry of indium tin oxide films (Ukraine)
32.	Dr. CHIHWEI SU - Water Droplet Spreading Behavior for ZnO columnar Films (Taiwan)
33.	Dr. Yuri Neimet - Influence of e-beam on thermally evaporated thin films Ag-As-S (Ukraine)
34.	Dr. Yevhen Berezhanskyi - Nanostructured silicon surface made by metal-assisted chemical etching (Ukraine)
35.	Dr. Anatoliy Onanko - Indicatory surface of inelasticity-elasticity characteristics of alloys and

	automated system of visualization of anisotropy (Ukraine)
36.	Dr. Benan Kilbas - Synthesis, micelle formation and Au/Ag nanoparticle stabilization of thermo-responsive graft copolymers (Turkey)
37.	Dr. Taisiia Berestok - Structural properties of ZnO _{1-x} S _x deposited by chemical bath deposition (Ukraine)
38.	Dr. RANJEET KUMAR BRAJPURIYA - Thickness and interface dependent structural, magnetic and transport properties of Cu/Co thin film and multilayer structures (India)
39.	Dr. Tzung-Zing Wu - Improvement of ZnO thin film crystal quality using different gas rate ratios by plasma enhanced chemical vapor deposition (Taiwan)
40.	Prof. Vasyl Rubish - Thermocrystallization of (As ₂ S ₃) ₄₅ (SbSI) ₅₅ amorphous films (Ukraine)
41.	Dr. Valery Yerokhov - Mass spectrometric analysis of surface substrates for solar cells (Ukraine)
42.	Dr. Oksana Dobrovetska - Electrodeposition of Pd-Au nanoparticles in DMSO solution (Ukraine)
43.	Dr. Victor Naseka - Comprehensive study of silicon nano-inclusions structures in silicon oxynitride matrix after high-temperature annealing for the photovoltaic (Ukraine)
44.	Dr. Saide Umerova - Relationships between structural-strength properties and cluster formation of highly filled suspensions (Ukraine)
45.	Dr. Olga Maksymiv - Influence of hydrogen on the mechanical properties of steels with surface nanostructures (Ukraine)
46.	Dr. Volodymyr Mandzyuk - Compositional material based on pyrolytic carbon and copper nanoparticles (Ukraine)
47.	Dr. Stepan Batsanov – Electron microscopy studies of the metal sulfide nanocrystals formed in Langmuir-Blodgett films (Russia)
48.	Dr. Svitlana Chernii – Anti-fibrillogenic activity of the phthalocyanine complex: Role of the out-of-plane ligands (Ukraine)
49.	Dr. Maksym Barabash - Structural nanoinhomogeneities of the domain wall in the magnetic films as quantum mechanical objects (Ukraine)
50.	Dr. Dmytro Iermolenko - Influence of nanoscale components of non-metallic inclusions on weld metal microstructure formation (Ukraine)
51.	Dr. Valerii Bykov - Morphological and structural peculiarities of electrolytic nano-sized powders of tungsten carbides (Ukraine)
52.	Dr. Dmytro Polishchuk - Persistent magnetoelectric changes in perovskite ferromagnetic/ferroelectric heterostructures observed by MFM (Ukraine)
53.	Dr. Viktor Buchenko - Effect of O ₂ exposure on optical reflectance anisotropy of Bi/Si(001) interfaces (Ukraine)
54.	Dr. Viktor Prisyazhnyuk - Investigation of formation of structure in Gd-Fe films (Ukraine)
55.	Dr. Oksana Lytvyn - Metrological aspects of atomic force spectroscopy (Ukraine)
56.	Dr. Peter Lytvyn - Kelvin probe force microscopy study of optically driven mass-transport in light-responsive chalcogenide glasses (Ukraine)
57.	Dr. Tetiana Monastyrskaya - Effect of small additives of alloying elements on aging in cast Al-Cu-based alloys (Ukraine)
58.	Dr. Oleksandr Buhay - Microanalytical X-ray facility in IAP NASU (Ukraine)
59.	Dr. Anton Khodakivskiyi - Surface segregation in amorphous alloys FINEMET at different types of deformation (Ukraine)
60.	Dr. Halyna Petrovska - Digital holographic micrometry (Ukraine)
61.	Dr. Irina Sharay - Evaluation of the nanoparticles Fe ₃ O ₄ and NiFe ₂ O ₄ size by means of atomic force microscopy (Ukraine)
62.	Dr. Olena Zhukovtseva - Study of biomorphic ceramics based on silicon carbide by scanning electron microscopy (Ukraine)
63.	Dr. Volodymyr Sukhomlyn - Special boundaries between crystals of ferrite and martensite during decomposition of austenite steel (Ukraine)
64.	Prof. Oksana Dudarko - Study of the structure of phosphorus-containing mesoporous silicas by TEM (Ukraine)
65.	Prof. Nicolay Davidenko - Investigation of nanoparticles solutions by optical methods (Ukraine)
66.	Dr. Roman Topchak - Electrochemical obtaining of colloidal nanosilver solutions (Ukraine)
67.	Prof. Ivan Kurdish - Powder complex bacterial preparation for crop and efficiency of its use in agroecosystems (Ukraine)

68.	Dr. Julia Levchenko - Modifying of copper alloys using fine-grained modifiers on the basis of Al-Zr (Ukraine)
69.	Dr. Ludmila Robota - Modification of urethaneureasilsesquioxanes with zinc acetates (Ukraine)
70.	Dr. Yuriy Sementsov - Polymer materials, reinforced with carbon nanotubes for medical design (Ukraine)
74	Dr. Nikolai Zubrilin - Nanostructuring of the metal surfaces by femtosecond laser pulses (Ukraine)
75	Dr. Oleg Lytvinenko - Oxidized silicon structures with surface II-VI nanocrystals (Ukraine)
77	Dr. L.I. Stefanovich - Kinetics of concentration separation in amorphous alloys outside the spinodal region (Ukraine)
78	Dr. Tetiana Lebedieva - Quantum-chemical calculation and visualization of the fundamental vibrational modes of graphene in different points of the Brillouin zone (Ukraine)
79	Dr. Nickolai Vygornitskii -Packing and percolation of interacting linear k-mers on a square lattice (Ukraine)
20:00 –21:00	Welcome party (vine and excursion) in Lviv National Academic theatre of opera and ballet after Solomiya Krushelnytska
Thursday, 28.08.2014	
Section “Nanocomposites and nanomaterials”	
9:00 – 9:25	Prof. Tatyana Zheltonozhskaya - Micellar and micelle-like structures of block and graft copolymers and polymer/inorganic hybrids as effective nanoreactors for synthesis of silver nanoparticles (Ukraine)
9:25 – 9:50	Prof. Gianmario Martra - Hybrid fluorescent dye-silica nanoparticles: toward a possible molecular control of the photophysical properties (Italy)
9:50 – 10:15	Prof. Volodymyr Kapustianyk - Size effects in the thermochromic single crystals and nanocomposites (Ukraine)
10:15 – 10:40	Prof. Alexander Kasatkin - Critical current in superconductors with extended linear defects (Ukraine)
10:40 – 11:05	Prof. Dmitrii Fil - Manifestation of electron-hole pairing in screening behavior of a two-layer graphene system (Ukraine)
11:05 – 11:20	Coffee break
11:20 – 11:45	Prof. Natalya Kizilova - Biomimetic composites reinforced by branched nanofibers (Ukraine)
11:45 – 12:10	Prof. Alexander Fainleib - Chemically-controlled nanostructured thermostable hybrid polymer networks with organic (triazine) and inorganic (POSS) junctions (Ukraine)
12:10 – 12:35	Prof. Tatiana Smirnova - Periodic polymer–silver nanoparticles structures obtained due to reduction of silver nanoparticles from the precursor spatially distributed by holographic exposure (Ukraine)
12:35 – 13:00	Prof. German Telbiz - Mesoscopic design of inorganic self-assembled nanostructures of spatially ordered in the thin mesoporous films (Ukraine)
13:00 – 14:00	Break
14:00 – 14:15	Prof. Valery Zazhigalov - The mechanochemistry use for the vanadium-containing nanocatalysts preparation (Ukraine)
14:15 – 14:30	Prof. Iurii Gudyma - The hysteretic behavior of noise perturbed spin-crossover nanocrystals (Ukraine)
14:30 – 14:45	Prof. Yuliya Dzyazko - Organic-inorganic nanomaterials: from ion-exchangers to membranes (Ukraine)
14:45 – 15:00	Prof. Borys Romanyuk - Formation of nanoclusters and electrically-active centers in Czochralski silicon with carbon low-energy ion implantation (Ukraine)
15:00 – 15:15	Prof. Sergiy Kotrechko - Atomic structure and mechanical properties of carbide (Ukraine)
15:15 – 15:30	Coffee break
15:30 – 15:45	Prof. Georgiy Tarasov - Photoluminescence study of coupled quantum ring-quantum dot chain heterostructures (Ukraine)
15:45 – 16:00	Prof. Yuriy Zub - Immobilization of urease on magnetic nanoparticles (Ukraine)
16:00 – 16:15	Prof. D.M. Li - Control and optimization of up-conversion process in rare-earth metallic nanocrystals and plasmonic nanolaser (Ukraine)
16:15 – 16:30	Dr. Kostiantyn Kozlov - Approaches and methods for evaluating toxicity of lead nanoparticles (Ukraine)
16:30 – 16:45	Dr. Yuliia Bondar - Controlled synthesis of potassium nickel hexacyanoferrate nanoparticles on

	the surface of polypropylene fibers (Ukraine)
Section "Nanoobjects microscopy"	
16.45 – 17.00	Prof. Boris Pavlik Plasmonic nanolaser with nonlinear absorption gas nanocavity (Ukraine)
17:00 – 17:15	Dr. Eugene Bortchagovsky - Functionalized probes – internal standard for TERS (Ukraine)
17.15 – 17.30	PhD Pavlo Kurioz - Self-assembly of small gold nanoparticles in topological defects of layer of liquid crystal (France)
17.30 – 17.45	Prof. Muslum Arici - The role of nanoparticles in enhancement of heat transfer (Turkey)
17.45 – 18.00	Prof. Dmytro Freik - Simple crystallographic forms in vapor-phase nanostructure PbTe:Sb on glass ceramics (Ukraine)
18:00 – 19:30	Poster session
1.	Dr. Andrew Stetsko – Effect of chemical treatment on the structure of composite coating (Ukraine)
2.	Prof. Galina Yaroslavovna Grodzyuk - Enhanced photoluminescence intensity of CdS nanoparticles via Ag doping (Ukraine)
3.	Dr. Oleksandr Sobol – Effect of pressure working environment and high pulse stimulation on the structure, substructure and mechanical characteristics of vacuum-arc ZrN coatings (Ukraine)
4.	Dr. Anastasiia Mykytiuk – Photocurrent spectroscopy of Ge nanoclusters grown on oxidized silicon surface (Ukraine)
5.	Dr. Artem Kozyrev - Synthesis of MgB ₂ -based superconducting materials with Zr at a pressure of 2 Gpa (Ukraine)
6.	Dr. Hanna Drozhevskaya - Nanoparticles as sites for nucleation of acicular ferrite structure in steel (Ukraine)
7.	Dr. Alla Tymchuk - The nanochitosan as an effective adsorbent of the surfactants (Ukraine)
8.	Dr. Valeriy Demchenko - Structural organization and properties of nanocomposites formed from triple polyelectrolyte-metal complexes pectin-Cu(II)-polyethyleneimine (Ukraine)
9.	Dr. Olga Slisenko - Novel nanostructured double-network composite hydrogels based on polyacrylamide and siloxane networks (Ukraine)
10.	Dr. Marina Kuperman - Fluorescent trimethine cyanine dyes for detection of protein amyloid aggregates (Ukraine)
11.	Prof. Vasilios Stavrou - Quantum dots: quantum computing heterostructures (Greece)
12.	Dr. Eugene Strativnov - New technology for synthesis of thermally expanded graphite (Ukraine)
13.	Dr. Alexander Khovavko - Study of carbon nanotubes production from products of natural gas conversion (Ukraine)
14.	Dr. Ludmila Martseniuk - The properties of water nanostructures in nanosystems (Ukraine)
15.	Dr. Olga Starostenko - Thermal properties of hybrid polyamidoimide-polyurethane-epoxycyclohexyl POSS nanocomposites (Ukraine)
16.	Dr. Olga Grigoryeva - High temperature track nanoporous membranes from modified polycyanurates: design, characterization, gas permeability and selectivity (Ukraine)
17.	Dr. Kristina Gusakova - PVT analyses of cure behavior and curing state of Cyanate Ester Resins synthesized in situ different amino-modified nanoclays (Ukraine)
18.	Dr. Vitalii Turchenko - Crystal structure and magnetic properties of double perovskites (Russia)
19.	Dr. Vitalii Turchenko - Structural features, magnetic and resistive properties of perovskites La _{0.5} Pr _{0.2} Pb _{0.3} -xSr _x MnO _{3±δ} (x= 0.05 – 0.25) (Russia)
20.	Prof. Ruslan Krivobok - Prospects for creation of ceramic radiotransparent materials (Ukraine)
21.	Dr. Taras Polek - Features of magnetic phase transformations in low-level Bi doped LaMnO ₃ nanopowders (Ukraine)
22.	Dr. Afshin Maleki - Efficiency and energy consumption of sonocatalytic degradation of reactive red 198 by nano-sized ZnO/SiO ₂ composite (Iran)
23.	Dr. Svetlana Nagirnyak - Fabrication of SnO ₂ from SnC ₂ O ₄ by chemical vapor deposition (Ukraine)
24.	Dr. Mykola Kulyk - Magnetic properties, anisotropic coercivity and in-plane anisotropy in nanogranular Co/Al ₂ O ₃ films above the percolation limit (Ukraine)
25.	Dr. Serhii Tomylo - Two-stage percolation of carbon nanotubes in nematic liquid crystal (Ukraine)
26.	Prof. Svitlana Zymina - Nanotechnology: Environmentally friendly method of utilization of petroleum-refining wastes (Ukraine)

27.	Dr. Vera Budzinska - Nanocomposites based on polyurethaneurea, modified montmorillonite and sodium silicate (Ukraine)
28.	Dr. Oksana Konopelnyk - Parameters of charge transport in the nanosystems based on conducting polymers and carbon nanotubes (Ukraine)
29.	Dr. Viktoriya Khomchenko - White light emission of ZnO-Cu nano-film (Ukraine)
30.	Dr. Oksana Shovkoplyas - The influence of composition, thermal and radiation effects on the structure, substructure and strained state of ion-plasma coatings of Ti-W-C system (Ukraine)
31.	Dr. Bogdan Rachiy - Chemically activated carbon as electrode for supercapacitor (Ukraine)
32.	Dr. Mykola V Sopinsky - Formation of nanocomposites by oxidizing annealing of SiO _x and SiO _x <Er,F> films: ellipsometric analysis (Ukraine)
33.	Prof. Viktor Kalita - Magnetization hysteresis of nanogranular films with perpendicular anisotropy (Ukraine)
34.	Dr. Ievgenij Dzevin - Microstructure inhomogeneity of Fe-31%Ni alloy and stabilization of austenite (Ukraine)
35.	Prof. Oksana Patsahan - Spatial inhomogeneities in the systems composed of charged particles (Ukraine)
36.	Dr. Tatyana Dontsova - Sorption and photocatalytic properties of TiO ₂ /CdS nanocomposites (Ukraine)
37.	Dr. Inna Garmasheva - Synthesis of silver nanoparticles using lactic acid bacteria (Ukraine)
38.	Dr. Nataliya Gloskovska - Relationship of CdI ₂ -PbI ₂ photoluminescence with optically generated recombination centers (Ukraine)
39.	Dr. Olha Shutylieva - Magnetic properties three-layers film systems based on Co and Gd or Dy (Ukraine)
40.	Dr. Volodymyr Trachevsky - Nanotechnology: Environmentally friendly method of utilization of petroleum-refining wastes (Ukraine)
41.	Dr. Oleh Bovhyra - Electronic properties of zinc oxide nanoribbons: a DFT study (Ukraine)
42.	Dr. Andriy Kytsya - Kinetic scheme of silver nanoparticles growth in aqueous medium (Ukraine)
43.	Dr. Halyna Klym - Crystallization behavior of nanostructured Ge-Ga-Se glasses (Ukraine)
44.	Prof. Irina Savchenko - New nanosized systems of polymer metal complexes based -diketones and lanthanides for electroluminescent devices (Ukraine)
45.	Prof. Mikhail Bagatskii - Heat capacity of quasi-1D chains of Xe atoms adsorbed in outer grooves of carbon c-SWNT bundles: thermal vacancies effect (Ukraine)
46.	Prof. Anatoliy Shevchenko - Properties of diamond nanopowders and carbon tubes modified by oxide iron (Ukraine)
47.	Prof. Anatoliy Korol - Transmission spectra of the Dirac-Weyl electrons through the graphene-based superlattice with the Fermi velocity barriers (Ukraine)
48.	Dr. Oksana Bondaruk - Nanocomposites based on polyurethane /poly(2-hydroxyethyl methacrylate) polymer matrix and nanofiller densil for biomedical application (Ukraine)
49.	Prof. Maria Tsebrenko - Physical-chemical features of obtaining of nanofilled ultrathin synthetic fibers (Ukraine)
50.	Dr. Yegor Onykienko – Electron scattering enhancement by organic molecule in presence of metallic nanoshell (Ukraine)
51.	Dr. Oleksandr Hreshchuk - Efficient nanostructures of core-shell (SiO ₂ -Au) type for surface enhanced Raman scattering (Ukraine)
52.	Dr. Igor Goliney - Delocalized surface plasmons on a superlattice of voids in irradiated metals (Ukraine)
53.	Dr. Serhiy Kriviy - Development of films for plasmonic elements obtained using laser ablation of gold (Ukraine)
54.	Dr. Olena Rengevysh - Silicon nanorods imaging by surface plasmon resonance (Ukraine)
55.	Prof. Viktor Strelchuk - SERS substrates based on porous films with silver nanoparticle array for Rhodamine 6G (Ukraine)
56.	Dr. Oleksandr Kolomys - Chemical method for the preparation of silver surfaces for efficient SERS (Ukraine)
57.	Dr. Pawel Sikora - Effect of different application method on rheological properties of nanosilica modified concretes (Poland)
58.	Dr. Tamara Pavlenko - Low-temperature hydrothermal synthesis of nanostructured solid solutions in the system CeO ₂ – ZrO ₂ (Ukraine)

59.	Dr. Oksana Shcherbak - Nanocomposites in technology long-term preservation of animal genetic resources (Ukraine)
60.	Dr. Nadiia Safriuk - The peculiarities of strain relaxation in GaN/AlN superlattices grown on vicinal GaN(0001) substrates (Ukraine)
61.	Dr. Mahroug Abdelhafid - Microstructural and optical properties of Sol-Gel Co-doped ZnO thin films (Algeria)
62.	Dr. Galyna Starukh - On the adsorption of tetracycline by nanocrystalline calcined zink-aluminum hydrotalcites (Ukraine)
63.	Prof. Hamamda Smail - Thermal expansion coefficient of the aluminium containing nanotubes of carbon (Algeria)
64.	Dr. Igor Olenych - Composite sensory elements based on poly-3,4- ethylenedioxytiophene doped by carbon and silicon nanoparticles (Ukraine)
65.	Dr. Oleg Posudievsky - Mechanochemical preparation of 2D nanomaterials: graphene, transition metal disulfides, carbon and boron nitrides, germanane (Ukraine)
66.	Prof. Roman Vengrenovich - On the size distribution function in three-dimensional quantum dot crystals (Ukraine)
67.	Dr. Bohdan Ivanskii - Ostwald ripening of the platinum nanoparticles in the framework of the modified Lifshitz-Slezov-Wagner theory (Ukraine)
68.	Dr. Victor Grinevich - Dimensional effects in SnO ₂ nano films detected by surface plasmon resonance technique (Ukraine)
69.	Dr. Yuliya Kosminska - Role of self-organized low supersaturations in carbon nanofibres formation (Ukraine)
70.	Prof. Zoryana Usatenko - Investigation of the repulsive depletion forces and their application in new types of nano- and micro – electromechanical devices (Poland)
71.	Dr. Olga Kovalenko - Micelle composition and sedimentation stability of BaTiO ₃ nanopowder suspensions with different acidic surfactants (Ukraine)
72.	Prof. Oleg Sobol - Effect of pressure working environment and high pulse stimulation on the structure, substructure and mechanical characteristics of vacuum-arc ZrN coatings (Ukraine)
73.	Dr. A. A. Volkov - Spectroscopy of nanosized silicon-organic polymer (Ukraine)
74.	Dr. Oleh Molebnii - Nanocomposite particles in friction-stir welded Al-Li-Cu-Sc-Zr (1460) alloy (Ukraine)
75.	Dr. Roman Barakov - Low-temperature synthesis, structure, sorption properties and acidity of micro-mesoporous aluminosilicates obtained from sol-precursor of zeolite ZSM-5 (Ukraine)
76.	Dr. Nataliya Stolyarchuk - Cuprum (II) sorption by silica nanoparticles containing complexing 3-aminopropyl groups in their surface layers (Ukraine)
77.	Dr. Dmytro Baranovskyi - Study of sintering kinetics of multilayer ceramic capacitors based on the BaTiO ₃ nanopowder (Ukraine)
78.	Dr. Anastasiya Burlaka - Epoxy-silica nanocomposites and protective coatings based on them (Ukraine)
79.	Dr. Mykola Kanyuk - Preparation of fluorescent polymer nanocomposites with inclusions of silver nanoclusters (Ukraine)
80.	Dr. M.G. Kovaleva - Deposition and characterization of Cr ₃ C ₂ -TaC-NiCr coating by multi-chamber detonation sprayer (Ukraine)
81.	Dr. Eugene Kolivoshko - Ab-initio simulation of the atomic structure and mechanical properties of carbyne (Ukraine)
82.	Dr. Mykhailo Tikhonovsky - The structure and properties of nano titanium obtained by cryogenic quasi-hydrostatic extrusion (Ukraine)
83.	Dr. Bohdan Kulyk - Optical second and third harmonic generation in nanostructured and nanocomposite films of ZnO (Ukraine)
84.	Dr. Yuriy Azhniuk - Micro-Raman evidence of photostructural transformations in Zn-doped As ₂ Se ₃ thin films (Ukraine)
85.	Dr. Karolina Gdula - Surface modification of carbon nanomaterials with amine groups (Poland)
86.	Prof. Oksana Gorban - Cu, Ag - Functionalized nanomaterials based on zirconia: structure and properties (Ukraine)
19:00 – 21:00	Conference dinner
Friday, 29.08.2014	
Section "Nanochemistry and Nanobiotechnology"	

10:00 – 10:25	Prof. Alexander Kasatkin - Electrodynamic properties of high-Tc superconductor PLD thin films $YBa_2Cu_3O_{7-x}$ with a different nanostructure (Ukraine)
10:25 – 10:50	Prof. Adriana Barylyak - Effect nanoparticles penetration as total disinfection of the root canal system of teeth (Ukraine)
10:50 – 11:15	Prof. Oleh Shpotyuk - Positronics of subnanometer atomistic imperfections as high-informative characterization tool in nanomaterials science (Ukraine)
11:15 – 11:45	Coffee break
Section “Nanooptics and nanophotonics”	
11:45 – 12:10	Prof. Vladimir Sohatsky - Piezoelectric magneto-optical cells for light deflection (Ukraine)
12:10 – 12:35	Prof. Longin Lisetski - Liquid crystal dispersions of carbon nanotubes: from molecular models to development of functional materials (Ukraine)
12:35 – 13:00	Prof. Roberto Caputo - Plasmomechanics: triggering and controlling the plasmonic coupling at the nanoscale through macroscale applied strains (France)
13:00 – 14:00	Break
Section “Nanoplasmonics and surface enhanced spectroscopy”	
14:00 – 14:15	Dr. Volodymyr Chegel - Plasmonic nanochips for applications in enhanced fluorescence spectroscopy (Ukraine)
14:15 – 14:30	Dr. Ganna Vertsimakha - Effect of metal nanoshells on light-harvesting by LH_2 complexes from photosynthetic bacteria (Ukraine)
14:30 – 14:45	Dr. Leonid Dolgov - Plasmonic control of light in thin film solar cell absorbers (Estonia)
14:45 – 15:00	Prof. Oleksandr Bochechka - Diamond-tungsten carbide nanocomposite as working element for fine turning (Ukraine)
Section “Nanooptics and nanophotonics”	
15:00 – 15:15	Dr. Olga Biloivan - Carbon nanomaterials application in biosensor technology (Ukraine)
15:15 – 15:30	Dr. Włodzimierz Miśta - Ag/CeO ₂ supported on MWCNTs as effective ketonization catalyst (Poland)
15:30 -15:45	Dr. Sergii Kuksenko - Hard carbon nanomaterials for next-generation energy storage (Ukraine)
15:45 – 16:00	Dr. Nataly Kurgan - Morphology and electronic structure of nanoscale powders of calcium hydroxyapatite (Ukraine)
16:00 – 16:30	Coffee break
Section “Nanooptics and nanophotonics”	
16:30 – 16:45	Prof. Eugene Glushko - Oxidation as a factor affecting range and sensitivity of a photonic crystal device (Ukraine)
16:45 – 17:00	Prof. Alexander Demchenko – New carbon nanomaterials: carbon dots as new class of fluorophores (Ukraine)
17:00 – 17:15	Prof. Galyna Rudko - Enhancement of polymer endurance to UV light by incorporation of semiconductor nanoparticles (Ukraine)
17:15 – 17:30	Dr. Anatolii Kravets - Curie-switch(Ukraine)
17:30 -17:45	Dr. Andriy Vasin - Carbon incorporated nanostructured silica as nanocomposite material for tunable white photoluminescence (Ukraine)
17:45 – 18:00	Phd. Olha Sarapulova - Nanophotonic elements for smart packaging and printing techniques of their application (Ukraine)
18:00– 19:30	Poster session
1.	Prof. Ihor Izhnin - CdHgTe-based single quantum wells structures photoluminescence spectra analysis (Ukraine)
2.	Dr. Vitaliy Smokal - Photosensitive copolymethacrylates with pendant styrylquinoline chromophores (Ukraine)
3.	Prof. Igor Belousov - On the determination of CdSe quantum dot sizes (Moldova)
4.	Dr. Oksana Krupka - Functionalized DNA thin films (Ukraine)
5.	Dr. Gennadiy Bulavko - Effect of the counterion of cationic polymethine dyes on photovoltaic characteristics of bulk heterojunction solar cells based on them (Ukraine)
6.	Dr. Elena Mokrinskaya - Small-sized holographic devices with polymer based reversible recording medium (Ukraine)
7.	Prof. Irina Davidenko - Organic and inorganic polarization sensitive media (Ukraine)
8.	Prof. Nicolay Davidenko - Heterostructures based on films of poly-N-epoxypropylcarbazole and organic dyes for photovoltaic converters of solar energy (Ukraine)
9.	Dr. Valentin I Rudenko - Contribution of the nonlinear scattering in effects of optical limiting in

	SiC film nanostructures (Ukraine)
10.	Dr. Valentin I Rudenko - Study of spectral and nonlinear optical properties of nanostructured gold films (Ukraine)
11.	Dr. Borys Turko - Room-temperature ultraviolet laser emission from ZnO hexagonal micropillars and nanowires (Ukraine)
12.	Dr. Volodymyr Romakh - Planar waveguides with losses or gain and their analysis (Ukraine)
13.	Dr. Oksana Nadtocha - Influence of component material on spectral dependence of polymer nanocomposites photosensitivity (Ukraine)
14.	Dr. Igor Rusetskii - Nanocomposite material based on CdSe and reduced graphene oxide for photoelectrochemical systems (Ukraine)
15.	Dr. Vasyl Varyshchuk - Correlation processing of speckle pattern in multimode polymer optical fiber for deformation monitoring in nanometer range (Ukraine)
16.	Dr. Yaroslav Vertsimakha – Features of electronic processes in film of dye – acridine derivatives of natural origin (Ukraine)
17.	Dr. Yaroslav Vertsimakha – effect of substitution and aggregate state on optical properties of polyvinylcarbazole (Ukraine)
18.	Dr. Denys Pidgirnyj - Optical constants of graphene layers versus graphite (Ukraine)
19.	Dr. Mykola Shopa - Metamaterial with high optical absorption (Poland)
20.	Dr. Dmytro Popovych - Influence of laser annealing on photoluminescence of ZnO nanopowders (Ukraine)
21.	Dr. Igor Podlesny - Rashba spin–orbit coupling influence on the two–dimensional magnetoexciton–polaritons in microcavity (Ukraine)
22.	Dr. Irina Sharay - Investigations of surface morphology of Bi:YIG films and one-dimensional magneto-photonics crystals on their base (Ukraine)
23.	Dr. Andrii Sizhuk - Some theoretical aspects of damping effect for an atomic system in a nanoscale cavity (Ukraine)
24.	Prof. Mykola Krupa - Optical-induced remagnetization effects in rare-earth transition based tunnel magnetic nanostructures (Ukraine)
25.	Dr. Olena Bakhmachuk - Effect of donor – acceptor composition of organic dyes on productivity of solar cells based on nanopores TiO ₂ films (Ukraine)
26.	Prof. Ihor Studenyak - Optical properties of Cu ₆ PS(Se) ₅ I superionic thin films (Ukraine)
27.	Dr. Alla Bogoslovskaya - Impact of intermolecular interactions on the self-organization of laser dye in the nanostructured films and electronic processes therein (Ukraine)
28.	Prof. Heshmatollah Alinezhad – Cu doped ZnO nanocrystalline powder as a catalyst for facile and efficient one-pot multicomponent synthesis of 9-Arylacridine-1, 8-dione derivatives (Iran)
29.	Dr. Olga Burlaka – Biofunctionalized single-walled and multi-walled carbon nanotubes for genetic transformation of plants cells (Ukraine)
30.	Dr. Vita Mitsai – Sensor film complexes with coumarin and quantum dots (Ukraine)
31.	Dr. Mariya Borovaya - Biological synthesis of CdS quantum dots using hairy root culture of <i>Linaria maroccana</i> L (Ukraine)
32.	Dr. Mikhail Danilov - Synthesis and application of reduced graphene oxide as electrode material for oxygen electrodes of power sources (Ukraine)
33.	Prof. Anatoliy Shevchenko - Physicochemical characteristics and antitumor effect of nanodiamond (Ukraine)
34.	Dr. Elena Pavlovich - Influence of gold nanoparticles on the fibroblast culture (Ukraine)
35.	Dr. Andrey Panko - Chemical transformations of nanoparticles during mechanochemical alkaline dispersion of sponge iron (Ukraine)
36.	Dr. Igor Dubey - Synthesis of dextran conjugates with cationic porphyrin telomerase inhibitors (Ukraine)
37.	Prof. Zygmunt Gburski - Computer simulation of cholesterol molecules embedded in high-density lipoprotein (Ukraine)
38.	Dr. Lyudmila Bovkun - Ferromagnetic nanoparticles for tumor hyperthermia: in vivo study (Ukraine)
39.	Dr. Lyudmila Shmeleva - Primary structure of protein as nanowire for metabolic electronic transport (Ukraine)
40.	Dr. Sofia Partsevskaya - Encapsulation of poorly soluble drugs into MOPEO-b-PCL copolymer micelles and their biological activity (Ukraine)

41.	Dr. Nataliya Kutsevol - Synthesis of stable silver sols using hydrogen as reductant (Ukraine)
42.	Dr. Nina Ivanova – activity of lipoactivity of liposomal antimicrobial preparations concerning mixed infections (Ukraine)
43.	Dr. Svitlana Filipchenko - Dextran - polyacrilamide based nanoparticles as the vectors for targeted delivery of medicaments into tumor cells (Ukraine)
44.	Prof. Ivan Myronyuk - Chemical aspects of liquid-phase synthesis of titania nanocrystalline modifications (Ukraine)
45.	Dr. Ruslana Balabai - Energy of interfacial reactions in the processes of mechanical separation of hematite and silica nanoparticles (Ukraine)
46.	Dr. Lyudmyla Shkotova - Modification of amperometric carbon electrode with Pt-Pd nanoparticles for lactate analysis (Ukraine)
47.	Dr. Lyudmyla Shkotova - Nanocomposite amperometric biosensor for lactate determination (Ukraine)
48.	Dr. Nataliya Permyakova - Nano-sized micellar drug delivery systems based on block copolymers (Ukraine)
49.	Dr. Denis Galaktionov - Modification of the CdS by thiol-containing agents for development of biosensors based on single crystal field-effect resistor (Ukraine)
50.	Dr. Roman Denysov - Composition for protection of hatchable eggs against pathogenic microbial flora (Ukraine)
51.	Dr. Yaroslav Vasylovych Pirko - Influence of phytochemically produced gold and silver nanoparticles on PCR efficiency (Ukraine)
52.	Dr. Viktoriya Ovsyankina - Features of formation of structure of nanocomposites of dipyrindamole ether of diphenylpropane and glucose (Ukraine)
53.	Dr. Tetyana Sergeyeva - Nanostructured polymeric membranes for solid-phase extraction of bisphenol A from aqueous samples (Ukraine)
54.	Dr. Przemyslaw Raczynski - Computer simulation study of the molecular dynamics in homocysteine systems (Poland)
55.	Prof. Nataliya Taran - Physiological responses of plants to non-ionic colloidal solution of metal nanoparticles (Ukraine)
56.	Dr. Taisiia Serdenko - Holographic interferometry of electron transport in the RC of purple bacteria with the phase portrait for two detergents (Ukraine)
57.	Dr. Viktoriya Pyeshkova - Application of silicalite for improvement of analytical parameters of conductometric biosensors for glucose and sucrose determination (Ukraine)
58.	Dr. Kateryna Stepurska - The application of the nanosized zeolites for optimization of the acetylcholinesterase based biosensors for determination of the aflatoxin B1 (Ukraine)
59.	Dr. Alexey Gonchar - New functionalized nanofillers and based polyurethane nanocomposites (Ukraine)
60.	Dr. Alexandr Tovstolytkin - Superparamagnetic behavior and AC losses in spinel ferrite nanoparticles (Ukraine)
61.	Dr. Andrii Doroshenko - Experimental study of iron nanoparticles' antianemic activity in model iron deficiency anemia (Ukraine)
62.	Dr. Oleksandr Soldatkin - Nano- and micro-sized zeolites as a perspective material for potentiometric biosensors creation (Ukraine)
63.	Dr. Dmytro Derecha - Investigation of the electrolytes rotation dynamics in dc-magnetic field (Ukraine)
64.	Dr. Olena Yakymchuk - Influence of carbon nanomaterials on 3D culture of tumor cells (Ukraine)
65.	Dr. Olga Panyuta - Effects of nonionic colloid solutions of metals nanoparticles on wheat seedlings under biotic stress (Ukraine)
66.	Dr. Galyna Gladchenko - Binding of meso-Tetrakis(N-methylpyridinium-4-yl)porphyrin to poly(rl)-poly(rC) –SWNT hybrid (Ukraine)
67.	Dr. Ihor Demkovych - Simulation of thermal interaction of laser radiation with biological teeth's tissue (Ukraine)
68.	Dr. Izabela Kondratowicz - Chemical methods of synthesis and reduction of graphene oxide (Poland)
69.	Dr. Olena Voitenko - Synthesis of hydride materials based on Lactobacillus cells and silver nanoparticles (Ukraine)

70.	Dr. Zoia Kazantseva - Volatile organic molecules adsorption by thin solid films of self-assembled molecular cavitands (Ukraine)
71.	Dr. Mohammad Amin Kamaledin - Applications of nanoparticles in ophthalmology (Iran)
72.	Dr. Zulkarnain Jalil - Catalytic effect of nanostructure SiC and Ni on Mg-based hydrogen storage materials prepared by reactive mechanical alloying method (Indonesia)
73.	Prof. Anatoliy Andrushchak - Optic and quasi-optic investigations of nanocrystalline structures (Ukraine)
74.	Dr. Tamara Tsebrienko - Physical-chemical features of obtaining of nanofilled ultrathin synthetic fibers (Ukraine)
75.	Dr. Svitlana Bugaychuk - Correlations of periodic structures to manipulation of photonic modes for the purposes of opto-electronics operating by quantum dots (Ukraine)
76.	Dr. Dora Zakarian - Hall-Petch law for nanoparticles with diamond-like structure (Ukraine)
77.	Dr. Irina Sharay - Investigations of surface morphology of Bi:YIG films and one dimensional magneto-photonic crystals on their base (Ukraine)
78.	Dr. Andrei Khudoley - Subnanometer treatment of optic components (Belarus)
79.	Dr. Olga Steblova - Method formation of silicon nanowires for electron field emission (Ukraine)
80.	Dr. Andrii Nikolenko - Nanotechnology and nanooptics of films with C60 fullerenes (Ukraine)
81.	Prof. Iuliia Liubyma – Trace elements produced using nanotechnology (Ukraine)
82.	Dr. Oleg Posudievsky - Nanocomposites of polyaniline with graphene as the transport layer of polymer light-emitting diodes (Ukraine)
83.	Dr. Maryna Sukhanevych - Nanotubes as additives modifiers cementitious compositions (Ukraine)
84.	Dr. Ihor Stolyarchuk - Optical properties of ZnCoO nanoparticles generated by laser ablation in liquids (Ukraine)
85.	Prof. Roman Vengrenovich - The size distribution of InAsSbP/InAs(100) quantum dots in the frame of modified for surface LSW theory (Ukraine)
86.	Dr. Łukasz Siepietowski - Di- and fourth-cores complexes of zirconium and hafnium in aqueous solutions – DFT analysis (Poland)
87.	Dr. Michael Trunov - Visualization of surface plasmon by optical near-field induced mass-transport in amorphous chalcogenide films (Ukraine)
88.	Dr. Kira Kalinichenko - Natural nanocomposite on the base of sludge from municipal wastewater treatment for land application (Ukraine)
89.	Dr. Anna Kiwilsza - Influence of molecular size on physicochemical and pharmacokinetic properties of selected drugs encapsulated into SBA-15 (Poland)
90.	Dr. Larisa Kunitskaya - Hydrophilic block copolymers for doxorubicin incapsulation (Ukraine)
91.	Dr. Elena Udovitskaya - Control of atomic and nanoparticle motion by the sequences of the counter-propagating light pulses (Ukraine)
92.	Dr. Volodymyr Chegel- The fluorescence signal enhancement affected by localized surface plasmon resonance (Ukraine)
93.	Dr. Oleg Lytvinenko - Influence of electron-phonon interaction on Wannier–Stark effect in macroporous silicon structures with SiO ₂ nanocoatings (Ukraine)
94.	Prof. Gennadiy Glibitskiy - Textures of BSA films with sodium halides (Ukraine)
95.	Prof. Nataliya Taran - Physiological responses of plants to non-ionic colloidal solution of metal nanoparticles (Ukraine)
Saturday, 30.08.2014	
Section "Nanocomposites and nanomaterials"	
9:00 – 9:15	Prof. Alexander Nosich - Competition between the localized surface plasmon and the grating resonances in the optical response of nanogratings (Ukraine)
9:15 – 9:30	Dr. Ihor Zavaliy - Hydrogenation properties of Mg-based nanocomposites prepared by ball milling (Ukraine)
9:30 – 9:45	Dr. Anton Nosenko - Soft magnetic properties of nanocrystalline Fe ₇₃ B ₇ Si ₁₆ Nb ₃ Cu ₁ alloy with creep-induced magnetic anisotropy (Ukraine)
9:45 – 10:00	Dr. Oksana Yastrubchak - Low-temperature investigation of diluted ferromagnetic

	semiconductor nanolayers (Poland)
10:00 – 10:15	Dr. Antonina Redkina - Synthesis of V-Ti-ion-modified nanoporous silica MCM-41 types catalysts and their catalytic activity for the dehydrogenation of propane (Ukraine)
10:15 – 10:30	Dr. Lyudmyla Karabanova - 3-D artificial nanodiamonds containing nanocomposites based on hybrid polyurethane-poly(2-hydroxyethyl methacrylate) polymer matrix (Ukraine)
10:30 – 10:45	Dr. Oleh Shevchuk - Polymer nanocomposite films with embedded CdS nanocrystals (Ukraine)
10:45 - 11:00	Coffee break
11:00 – 11:15	Dr. Gennady Monastyrsky - Solidification mechanisms and martensitic transformations in micron and nano- sized powder particles elaborated by spark-erosion technique in cryogenic liquids (Ukraine)
11:15 – 11:30	Dr. Valentyna Nosenko - Influence of Mn doping on the nucleation and growth kinetics of colloidal CdS nanoparticles (Ukraine)
11:30 – 11:45	Dr. Oleksandr Oberemok - Analysis of nanosized multilayer structures by X-ray diffraction and SNMS (Ukraine)
11:45 – 12:00	Dr. Ivan Saldan - Controlled synthesis of gold nanoparticles and their composites (Ukraine)
12:15 – 12:30	Prof. Anatoly Yaremko - Raman scattering study of crystal multilayer structures with quantum dots (Ukraine)
12:30 – 12:45	Dr. Valentina Shkodich - Structural features of prepregs formation based on polyamide fibers and thermosetting bonding matrix modified by carbon nanoparticles (Russia)
12:45 – 13:00	Dr. Behzad Shahmoradi - Photodegradation of Malachite Green using surface modified nickel doped TiO ₂ nanocatalysts (Iran)
13:00 – 13:30	Graduation and closing ceremony
13:30 – 14:30	Poster session
1.	Dr. Praskoviya Boltovets - Preparation of Au-glycane nanocomposite for sensor applications (Ukraine)
2.	Dr. Sergiy Kravchenko - Preparation of Au-glycane nanocomposite for sensor applications (Ukraine)
3.	Dr. Vitalii Lidykh - The effect of crystallographic orientation and surface tension forces on the bcc nanocrystals size effect (Ukraine)
4.	Dr. Evgen Sokovykh - The influence of conditions of nanosized SnO ₂ formation on the sensor properties to hydrogen (Ukraine)
5.	Dr. Tatyana Grabova - Study of the dynamics of formation of spatial nanostructures (Ukraine)
6.	Dr. Andrii Melnyk - Investigation of activated carbon materials with nano-size pores using nitroxide radical (Ukraine)
7.	Dr. Michailo Sichka - Synthesis of [MgF ₂ /C] nanocomposite and its application as cathode in lithium-ion batteries (Ukraine)
8.	Dr. Roman Kyrpal - Preparation of BaTiO ₃ multilayer films by inkjet printing (Ukraine)
9.	Dr. Olha Shchokotova - Modelling of plastic deformation in binary alloys under irradiation and cyclic shear strain (Ukraine)
10.	Dr. Nestor Lutsyk - Conditions of forming nanocrystallites for -Sn in the amorphous semiconductor matrix based on GaSb (Ukraine)
11.	Dr. Mariia Dekaliuk – New carbon nanomaterials: carbon dots as new class of fluorophores (Ukraine)
12.	Dr. Vitaliy Shvalagin - Modification of the surface of mesoporous TiO ₂ by Ag/Cu bimetallic nanostructures for improve the process of photocatalytic reduction of CO ₂ (Ukraine)
13.	Dr. Iaryna Lytvynenko - Time dependence of resistance of single-crystal magnetic tunnel junctions with MgO barrier (Ukraine)
14.	Dr. Ruslana Mazurenko - Influence of dispersity of particles of copper iodide on the electrical properties of composites based on polychlorotrifluoroethylene (Ukraine)
15.	Dr. Kostiantyn Kyrpach - The interaction peculiarities of the carbon nanospheres with different solvents (Ukraine)
16.	Dr. Sergey Ivanchenko - Tape Casting of ferroelectric thin films based on BaTiO ₃ nanopowders. Effect of components on the rheology of suspensions for casting and properties of the films (Ukraine)
17.	Dr. Wiesława Bażela - Neutron diffraction studies of the polycrystalline and nano-particle TbMnO ₃ (Poland)
18.	Dr. Olha Hemiy - Electrochemical behavior of nanocomposite TiO ₂ /C in aqueous KOH (Ukraine)

19.	Dr. Liubov Matkovska - Solid polymer electrolytes based on epoxy oligomer of diglycide aliphatic ester of polyethylene glycol and lithium perchlorate salt (Ukraine)
20.	Dr. Artem Nikulin - Features of measurement of contact angle of wetting inkjet suspensions based on BaTiO ₃ by the analysis of binary image projection of drop (Ukraine)
21.	Dr. Volodymyr Levchenko - Electroactive polymer composites with 1D structure of conductive phase
22.	Dr. Galyna Tolmachova - Mechanical characteristics of nitride coatings, deposited by magnetron and vacuum-arc methods (Ukraine)
23.	Dr. Olga Kapush - Synthesis of CdTe nanocrystals in aqueous solution and their structural characterization (Ukraine)
24.	Dr. Oleksandr Morozov - Effects of concentration Ti, Zr, V on deuterium desorption temperature range from Mg-based composite (Ukraine)
25.	Dr. Tamara Travinskaya - Biodegradable films based on waterborne polyurethane/starch nanoscale dispersions (Ukraine)
26.	Dr. Olexandr Mekhed - Ab-initio investigation of Fe ₃ AlC nanolayers as substrate for diamond growth (Ukraine)
27.	Dr. Violeta Bėčytė - Study of magnetic and structural properties of cobalt-manganese ferrite nanoparticles obtained by mechanochemical synthesis (Lithuania)
28.	Dr. Pavlo Lyutyi – Crystal structure of the TbCu ₅ Al ₇ compound (Ukraine)
29.	Dr. Alexander Matkovsky - Composites on the basis of silica with immobilized cholinesterase included into polymeric shell (Ukraine)
30.	Dr. Viktoriya Payentko - Quantum-chemical simulation of interactions in the systems of silica-anaesthetic, silica-polymer and polymer-anaesthetic (Ukraine)
31.	Dr. Aleksandr Kuprin - Effects of deuterium implantation dose on hardness and deuterium desorption temperature range from ZrN coatings (Ukraine)
32.	Dr. Taras Mika - Thermal Stability and Magnetic Properties of Some Fe–Cu–Si–B–P Alloys (Ukraine)
33.	Dr. Vitaliy Nevdacha - Organo-thermal synthesis thin films of magnetite (Ukraine)
34.	Dr. Hryhorii Stanchu - The processes of deformation relaxation in GaN/Si nanowires (Ukraine)
35.	Dr. Vitaliy Honcharov - Nanodimension layers on stainless steel surface synthesized by ionic implantation and their simulation (Ukraine)
36.	Dr. Iryna Dulina - Features of Ni/NiO nanopowder synthesis by thermal decomposition of nickel acetate amines (Ukraine)
37.	Dr. Lidia Dzubenko – The combined nano-sized oxide materials (Ukraine)
38.	Dr. Olga Uretskaya - Nanostructured luminescent materials based on yttrium-aluminum garnet for light-emitting-diode lighting devices (Belarus)
39.	Dr. Marina Glushkova - Nanostructured cobalt and iron electrodeposited alloys (Ukraine)
40.	Dr. Svetlana Netreba - The process of obtaining nanosized magnetite particles in FeO(St ₃)-H ₂ O-O ₂ system (Ukraine)
41.	Dr. Valerii Ievtukh - Single- and double layered Si nanocrystal structures in SiO ₂ for non-volatile memory devices (Ukraine)
42.	Dr. Tetiana Barlas - Metal-semiconductor nanocomposites based on porous InP (Ukraine)
43.	Dr. Iryna Yaremchuk - Effective dielectric permittivity of plasmonic nanocomposite materials (Ukraine)
44.	Dr. Nataliya Zakharchenko – Assessment of iron and copper nanoparticles on immune system (Ukraine)
45.	Dr. Yuri Semereno - Elastic and dissipative properties of the nanocrystalline alloy Ni ₈₀ Fe ₂₀ in the temperature range 5,430 K (Ukraine)
46.	Dr. Marina Kosevich - Laser desorption/ionization mass spectrometric study of carbon nanotube-polyoxymethylene nanocomposite (Ukraine)
47.	Dr. Alena Barilka - Wetting of graphene by methanol or water (Ukraine)
48.	Dr. Sergii Goroshchenko - Layered structures of charges in classical Coulomb clusters (Ukraine)
49.	Dr. Vladimir Kuznetsov - Structural features of apatite-biopolymer composites: the comparison of X-Ray diffraction and scanning electron microscopy with electron diffraction (Ukraine)
50.	Dr. Halyna Kozak - Highly sensitive infrared absorption spectroscopy of functionalized diamond surface (Czech Republic)
51.	Dr. Sergey Krasnovyd - Local structure and paramagnetic properties of the nanostructured

	carbonaceous material shungite (Ukraine)
52.	Prof. Ashwani Sharma – Investigation of various properties of intrinsic and extrinsic MgO ₂ nanomaterials (India)
53.	Dr. Oksana Demchyna - Nanostructured organic-inorganic films for application in fuel cells (Ukraine)
54.	Dr. Volodymyr Zhurba - Structural transformations in austenite 18Cr10NiTi stainless steel induced by deuterium implantation (Ukraine)
55.	Dr. Maksym Iurzhenko - Structural organization and electrophysical behavior of electroactive hybrid polymer nanocomposites doped with ionic liquids (Ukraine)
56.	Prof. Viacheslav Beresnev - The effect of temperature on tribological characteristics of (Ti-Zr-Hf-V-Nb-Ta)N nanocomposite coatings (Ukraine)
57.	Dr. Zoryana Zhuchenko - Peculiarities of exciton dynamics in hybrid dot-well nanostructures (Ukraine)
58.	Dr. M. Pirsasheb - Optimization synthesis of surface modified Cr:TiO ₂ nanomaterials using Response Surface Methodology (RSM) (Iran)
59.	Dr. Anton Yevchik - Method of fabrication of thin-film opal coating (Ukraine)
60.	Dr. Anna Yanovska - Hydroxyapatite / chitosan nanoparticles for dental application (Ukraine)
61.	Dr. Bo-Hong Jhuo - Synthesis and crystal structure of TiOX nanoparticles (Taiwan)
62.	Dr. Viktor Iakovlev - The effect of cyclic martensitic transformations on diffusion of cobalt atoms in Fe-18wt.%Mn-2wt.%Si alloy (Ukraine)
63.	Dr. Svitlana Khalameida - Mechanochemical synthesis of lithium niobate (Ukraine)
64.	Dr. Artem Romaniuk - Effect of rapid thermal annealing on layer disorder in Raman scattering and photoluminescence of GaAs _{1-x} Bi _x heterostructures (Ukraine)
65.	Prof. Marina Kantserova - The influence of composition and structure – size characteristics of Ni-containing nanocomposites based on stabilized zirconia on their catalytic properties in the steam reforming of C ₁ ,C ₄ alkanes (Ukraine)
66.	Dr. Eugenia Lobko - Nanostructured copper-containing polyurethanes (Ukraine)
67.	Dr. Eugenia Lobko - Conductivity of cross-linked polyurethanes, modified with multiwalled carbon nanotubes (Ukraine)
68.	Prof. Kateryna Avramenko - Crystal structure and optical characteristics of the ZnO film grown by MOCVD (Ukraine)
69.	Dr. Volodymyr Shcheretskyi - Arming affect of aluminum alloys with nanoscale nonmetallic particles (Ukraine)
70.	Prof. Sergii Ubizskii - Determination of superparamagnetic nanoparticles size distribution from nonlinear magnetic susceptibility measurement (Ukraine)
71.	Dr. Pavlo Demko - Surface phonon studies in Cu ₆ PS ₅ X (X=I, Br) superionic nanocomposites (Ukraine)
72.	Dr. Volodymyr Yukhymchuk - Free-standing graphene monolayers in carbon-based composite obtained from SiC: Raman diagnostics (Ukraine)
73.	Dr. Igor Olenych - Composite sensory elements based on poly-3,4- ethylenedioxytiophene doped by carbon and silicon nanoparticles (Ukraine)
74.	Dr. Sergii Mamykin - Photoelectric properties of Au/porous-GaAs Schottky barriers (Ukraine)
75.	Prof. Alexander Gomonnai - In situ Raman study of TlInSe ₂ nanocrystallites formed in Tl–In–As–Se glass under laser beam annealing (Ukraine)
76.	Dr. Oleksandr Dobrozhan - Synthesis of Cu ₂ ZnSnSe ₄ nanoparticles by colloidal method (Ukraine)
77.	Dr. Tatiana Shatalova - Acid hemolysis of human erythrocytes in the presence of ultra-dispersed diamonds (Ukraine)
78.	Dr. Yuliia Bondar - Synthesis of composite polypropylene fibers with surface coated ferrihydrite nanoparticles (Ukraine)
14:30 – 18:30	Excursion to Oleskiy castle

Contact Information

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