

"Nanotechnologies and Nanomaterials"

(NANO-2021)

August 25th - 27th, 2021 the House of Scientists in Lviv, Lystopadovoho Chynu St., 6

Registration (6 Listopadovoho Chyna Street, Lviv. 9:00-18:00 13:05-14:00 House of Scientists) 10:00-10:10 Welcome speech 14:05-14:30 10:10-Prof. Olena Aksimentyeva - Ivan Franko National University of Lviv 10:35 Nanofabrication of conducting polymer composites with taylored functions" 14:30-14:55 10:35-Prof. Tymish Y. Ohulchanskyy - Shenzhen University, College of Physics and Optoelectronic Engineering (People's Republic of China) 11:00 "Nanoparticles for multimodal imaging guided photodynamic therapy of cancer" 15:20 11:00-Academ. Prof. Anatolii Belous - Institute of general and inorganic heterocyclic organic compounds" chemistry of NASII Department Solid state chemistry (Ilkraine) 11:25 "Magnetic nanoparticles based on oxide systems: synthesis, properties, applica-Republic) 15:45 11:25-Prof. Mehmet Kahraman - Gaziantep University (Turkey) "Label-free biosensing on Plasmonic Nanostructures using SERS" 11:50 15:45 16:10 11:50-Dr. Dmitry Karpinsky - SSPA "Scientific-Practical Materials Research Centre of NAS of Belarus" (Republic of Belarus) "Crystal structure and orbital ordering of BiMnO3+ δ (0< δ <0.14) compounds



1240-

13:05

Dr. Ling Peng - CNRS, Aix-Marseille University (France) "Charm of dendrimer nanotechnology in biomedical applications"

across the phase boundary"

Prof. Anatoli Popov - Institute of Solid State Physics University of Latvia (Latvia)

"Distinctive features of diffusion-controlled point defect recombination in irradiated functional ceramics for nuclear applications"

Coffee break and Conference photo

Prof. Sviatoslav Kirillov - Joint Department of Electrochemical Energy Systems (Ukraine) "Enhancing high-rate electrochemical properties of LiMn2O4 by means of sur-

face modification"

Dr. Alex Laikhtman - Holon Institute of Technology, Sciences Department (Israel) "Tungsten Disulfide Nanoparticles as Media for Hydrogen Storage: Experiment and Simulations"

Prof. Sergey Kolotilov - I. V Pisarzhevskii Institute of Physical Chemistry of NASU (Ukraine) "Composites of metal-containing nanoparticles for catalytic hydrogenation of

Prof. Dominik Legut - VSB - Technical University of Ostrava (Czech

"Lattice dynamics and trimeron order of the Verwey transition in magnetite theory vs. experiment"

Dr. Oleksiv Shvets - L. V. Pisarzhevskii Institute of physical chemistry of the National academy of sciences of Ukraine (Ukraine) "Zeolite nanocomposites with variable acid and basic properties - effective catalvsts for fine chemical synthesis and industrial reaction"

Dr. Krzysztof Szczepanowicz - Jerzy Haber Institute of Catalysis and

Surface Chemistry PAS (Poland) "Polymeric core-shell nanoparticles - preparation, characterization and biomedical application"



16:10

16:35

Dr. Oleg Lavrentovich - Kent State University, Advanced Materials and Liquid Crystal Institute, Department of Physics and Materials Science (USA) "Liquid crystal elastomer coatings with dynamic nanoscale topography and their applications"

09:00-18:00 09:00-

09:15

Registration

PhD student Anastasiia Tomchuk - Taras Shevchenko National University of Kviv Physics Department (Ukraine)

"Laser-induced periodic Ag surface structure with Au nanorods plasmonic nanocavity metasurface for strong enhancement of adenosine nucleotide labelfree photoluminescence imaging"

09:15-09:30

Prof. Istvan Csarnovics - University of Debrecen, Faculty of Science and Technology, Institute of Physics (Hungary)

"Investigation of surface enhanced Raman scattering on gold nanoislands substrates with different geometrical parameters and analytes"

09:45

PhD student Martyna Tupikowska - University of Warsaw, Faculty of Chemistry (Poland) "Reconfigurable plasmonic systems based on liquid crystalline nanoparticles"

09:45 10:00

Prof. Dmytro Snizhko - Kharkiy National University of Radioelectronics "Atomic-Force Microscopy of Laser-Induced Periodic Surface Structures"

10:00-

PhD student Alina Oliinyk - F.D. Ovcharenko Institute of Biocolloid Chemistry of NASU (Ukraine) "Bioconiugates of nanogold with Chlorella v. polysaccharides selectively inacti-

vate leukemia cells" 10:15-10.30

Dr. Anton Tkachenko - Kharkiy National Medical University (Ukraine) "GdYVO4:Eu3+ nanoparticles-triggered effects on cultured dermal fibroblasts" 10.45



Prof. Andrii Netreba - Taras Shevchenko National University of Kviv Faculty of radio physics, electronics and computer systems (Ukraine)

"Proton magnetic resonance response modification dependence estimation on aggregate biol ogical object spatial regions state"

10:45-11:00

PhD student Svitlana Ukravinska - 0.0. Bogomoletz Institute of Physiology of NASU (Ukraine)

"Effect of gold nanocomposites treatment on male reproductive function under conditions of experimental chronic kidney disease"

11:00-11:15

Coffee break

11:15-11:30 PhD Student Oksana - Cherniuk Chuiko Institute of Surface Chemistry. NASU (Ukraine) "Synthesis and catalytic properties of nitrogen-containing carbon nanotubes"

11:45

Dr. Anna Potapenko - Joint Department of Electrochemical Energy Systems (Ukraine) "Electrochemical characteristics of silicon oxide with water-soluble binder for

new generation of LIRs"

11:45-12:00

11:30-

Prof. Pawel Sikora - Technical University of Berlin (Germany)

"Nano-engineered cementitious composites: Perspectives of advanced functional materials"

12:15

Prof. Ihor Stolyarchuk - Drohobych Ivan Franko State Pedagogical University (Ukraine)

"Magneto-optical characterizations of CdMnTe micro- and nanoparticles"



12:15- 12:30		Dr. Anna Pajor-Świerzy – Jerzy Haber Institute of Catalysis and Surafce Chemistry (Poland) "Application of nanocomposite metallic ink for fabrication of conductive coatings at low-temperature sintening"
12:30- 12:45		Prof. Yuliia Bondar — State Institution "The Institute of Environmental Geo-chemistry of NASU" (Uliraine) "Fabrication of nancomposite polymer granules for enhanced removal of cesium radionuclides"
12:45- 13:00	9	Student Zuzanna Lawera – University of Warsaw (Poland) "From halide perovskites to anisotropic semiconductors - new method of CdS nanorods synthesis"
13:00-	13:45	Lunch
13:45- 14:00		Dr. Andrey Kadashchuk – Institute of Physics of NASU (Ukraine) "Determination of the Density-of-States in ultra-thin amorphous organic semi- conductor films using thermoluminescence and molecular dynamics simulations"
14:00- 14:15		Student Mateusz Pawlak – University of Warsaw (Poland) "Unusual odd-even effect in helical assemblies of metallic nanoparticles"
14:15- 14:30		Prof. Dr. Amir Fahmi – Faculty Technology and Bionics, Rhein-Waal University of Applied Sciences (Germany) "Unidirectional Nanostructured Hybrid Materials"

Dr. Liudmyla Gryshchuk - Leibniz-Institut für Verbundwerkstoffe GmbH

(Germany)



14:45

15:00

15:00

15:15

15:30-

15:45



PhD student Dorota Grzelak - University of Warsaw (Poland) "Chirality transfer in liquid crystal and gold nanoparticle nanocomposites"



Dr. Matei Baláž - Institute of Geotechnics, Slovak Academy of Sciences (Slovakia) "Bio-mechanochemical synthesis of antibacterially active nanocomposite based on Ag nanoparticles, eggshell waste and Thymus serpyllum, L. plant"



Prof. Oleksandr Bochechka - V. Bakul Institute for Superhard Materials of NASU (Ukraine)



"Effect of surface modification of diamond panonowder particles on the properties of nanocomposite"



Prof. Alexander Kukhta - Institute for Nuclear Problems, Belarusian State University (Republic of Belarus) "Luminescent and electrophysical properties of MoS2 nanosheets and its composites with polymer and graphene"



PhD student Natalia Kowalska - University of Warsaw Chemistry Department (Poland) "Helical systems built from anisotropic gold nanoparticles and liquid crystal ma-

trix - preparation and physicochemical characteristic"

after phase transfer using hydrophobic promesogenic ligands"



Coffee break



Student Filip Bandalewicz - University of Warsaw, Faculty of Chemistry (Poland) "Chiral induction and synthesis of gold nanoparticles with chiral morphology



Dr. Myroslav Ya Sushko - Odesa Mechnikov National University (Ukraine)



"Bio-based soft polyurethane foams filled with coffee waste" "Effective electrical parameters of systems of fine anisotropic particles"



PhD student Agnieszka Jedrych — University of Warsaw (Poland)
"A novel method of ordering nanoparticles in photosensitive organic nanotubes"



Dr. Vitalii Chornii – National University of Life and Environmental Sciences of Ukraine (Ukraine)

"Synthesis and luminescence properties of phosphate-molybdate glasses and glass-ceramics doped with Pr3+ and Eu3+ ions"



Dr. Karina Valihura – L.V. Pisarzhevsky Institute of Physical Chemistry of NASU (Ukraine)
"Catalytic properties of Mg-Al-Ce oxide systems in gas phase conversion of ethanol to 1-butanol in a flow reactor"

17:45-18:00



PhD student Piotr Szustakiewicz — University of Warsaw (Poland)
"Assemblies of binary gold nanoparticles with reconfigurable structure and optical properties"



Dr. Fatih Doğan Koca — Erciyes University (Turkey)
"Synthesis of Cu hybrid nanoflower with their antimicrobial activity"

PhD student Olha Skurikhina - Slovak Academy of Sciences (Slovakia)

"Pyroxenes as ion conductors"

Program

Registration

sity (Ukraine)

Dr. Pavlo Kolkovskyi Vasyl - Stefanyk Precarpathian National Univer-

esis. structure and electrochemical properties of perovskite LaMnO3"

09:00-18:00

09:00-

09:15

09:15-		PhD student Sylwia Parzyszek – University of Warsaw (Poland) "Induced optical properties of semiconductor nanocrystals soft assemblies"	10:45- 11:00	Student Alexander Pospelov – Kharkiv scientific boarding lyceum "Obdarovanist" (Ubraine) "The point-contact cyclic switchover effect investigation"
09:30		induced optical properties or semiconductor hanocrystals soft assemblies	11:00-11:1	5 Coffee break
09:30- 09:45	9	Prof. Ersin Guler — University of Selcuk, Department of Chemistry (Turkey) "Synthesis and characterization of deca-quinoline bearing pillar[5]arene macro- cycle"	11:15- 11:30	PhD student Elena Vinogradova — University of Tartu (Estonia) "Fluorescence of Nd3+ optical centers close to cubic symmetry in a calcium fluoride crystal co-doped with Na+"
09: 45 - 10:00	•	PhD student Aliaksandra Radchanka — Institute for Physical Chemical Research, Belarusian State University (Republic of Belarus) "Poly(maleic anhydride alt-1-tetradecene) derivatives control zeta potential and hydrodynamic size of encapsulated quantum docts."	11:30- 11:45	Prof. Yaroslav Shopa — Cardinal Stefan Wyszyński University in Warsaw (Poland) "Characterization of single micrometre-sized droplets with luminescent nanoparticles levitated in linear electrodynamic trap"
10:00- 10:15		Dr. Mykhailo Kurmach – L. V. Pisarzhevskii Institute of physical chemistry of NASU (Ukraine) "Composites of hierarchical zeolites with basic metal oxides as catalysts for 2-aminotisphenes production by Gewald reaction"	11:45- 12:00	Dr. Svitlana Bugaychuk – Institute of Physics of NASU (Ukraine) "Surface-confined optically controlled liquid crystal elements"
10:15- 10:30		PhD student Dominik Straszak — Medical University in Lublin, De- partment of Synthesis and Chemical Technology of Pharmaceutical Substances (Poland) "Microsponges in tretinoin topical drugs"	12:00- 12:15	Prof. Eugene Glushko – VE Lashkaruov Institute of Semiconductor Physics of NASU (Utraine) "Local modes and local resonances in photonic structures containing doubled defect: applications"

10:45

14:30-

14.45

Szczecin (Poland)

nanomaterials"

12:15- 12:30		Dr. Oleh Yermakov – V. N. Karazin Kharkiv National University Ukraine (Ukraine) "Hyperbolic plasmons at resonant anisotropic metasurfaces"
12:30- 12:45	9	Dr. Andrey ILJIN – Institute of Physics, NAS of Ukraine (Ukraine) "Dynamics of optical activity of polymer-stabilized blue phase"
12:45- 13:00		Dr. Alexander Sorokin – Institute for Scntillation Materials of NASU (Ukraine). "Spectroscopic study of amphi-PIC J-aggregates interaction with bovine serum albumin".
13:00- 13:15	E	Dr. Krzysztof Pomorski – Cracow University of Technology, Faculty of Computer Scienceand Telecommunications, Quantum Hardware Systems (Poland) "Quantum Information processing in nanostructures in photonic tight-binding model"
13:15-	14:15	Lunch
14:15- 14:30		Dr. Iuliia Mukha – Chuko Institute of Surface Chemistry of NASU (Ukraine) "Formation of gold colloids with tunable size of nanoparticles"

Dr. Adrian Augustyniak - West Pomeranian University of Technology in

"Pseudomonas aeruginosa and its reaction to sublethal concentrations of carbon



Dr. Ruslan Mariychuk - University of Presoy (Slovakia) "Phytosynthesis of irregularly shaped gold nanoparticles: peculiarities, challenges, and future perspectives"



15:00-

15:15

15:30-

15:45

16:00

Dr. Oksana Koplak - Institute of Problems of Chemical Physics of RAS "Laser modulation of amorphous PrDvFeCoB microwires"



Prof. Kateryna Muzyka - Kharkiv National University of Radio Electronics (Ukraine) "Laser-based Nanostructured Materials for Electroanalysis"

Prof. ZAFER YAZICIGIL - Selcuk University, Faculty of science (Turkey)



"8-4-(azidomethyl)phenyl-4.4-difluoro-1.3.5,7-tetramethyl-4-bora-3a,4a-diaza-s indacene (BODIPY-I) Compound on the Gold Electrode Surface Investigation

Dr. Sergii Sologub - Institute of Physics of NASU (Ukraine) "Electronic (magneto)transport in pristine and adsorption-modified epita ial Bi nanofilms"



Coffee break

of Electrochemical Behaviors"



Dr. Victor Kislvuk - G.V.Kurdyumov Institute of Metal Physics (Ukraine) "PV encapsulant material mechanical properties (peculiarities and their microscopic mechanisms)"

Prof. Andrii Goriachko - Taras Shevchenko National Univesity of Kyiv (Ukraine) "(Ce+O)/Mo(112) Nanostructured Surface"

Dr. Natalia Rusinchuk - Taras Shevchenko National University of Kviv Institute of High Technologies (Ukraine)

"Physical description of near-field interaction of nanoparticles with microorgan-



Prof. Yuriv Zholudov - Kharkiv National University of Radio Electronics

17:30-17:45

PhD student Svitlana Balika - Odesa Mechnikov National University (Ukraine)





"Role of interface effects in the formation of the electrical conductivity of electrolyte-based suspensions"



Prof. Dariia Matulka - Lviv Polytechnic National University, Department of Applied Physics and Nanomaterial Science (Ukraine) "Features of optical characteristics of nanoobjects"

Prof. Nataliya Kizilova - V.N.Karazin Kharkov National University "Generalized constitutive equations and coupled phenomena at the nanoscale:

18:00

applications to nanofluidics" Closing ceremony

9th International Conference

"Nanotechnologies and Nanomaterials" NANO-2021

will be held on the 25 - 27 of August 2021 in 6 Listopadovoho Chyna Street, Lviv,

House of Scientists CONFERENCE AGENDA

Wednesday, 25.08.2021

	wednesday, 25.08.2021		
9:00-17:30	Registration (6 Listopadovoho Chyna Street, Lviv, House of Scientists)		
10:00-10:10	Welcome speech		
	Plenary Section (Prof. Bohdan Lukiyanets, Dr. Olena Fesenko)		
10:10-10:35	Prof. Olena Aksimentyeva <i>Ivan Franko National University of Lviv (Ukraine)</i> "Nanofabrication of conducting polymer composites with taylored functions"		
10:35-11:00	Prof. Tymish Y. Ohulchanskyy, Shenzhen University, College of Physics and Optoelectronic Engineering (People's Republic of China) "Nanoparticles for multimodal imaging guided photodynamic therapy of cancer"		
11:00-11:25	Academ. Prof. Anatolii Belous Institute of general and inorganic chemistry of NASU, Department Solid state chemistry (Ukraine) "Magnetic nanoparticles based on oxide systems: synthesis, properties, applications"		
11:25-11:50	Prof. Mehmet Kahraman <i>Gaziantep University (Turkey)</i> "Label-free biosensing on Plasmonic Nanostructures using SERS"		
11:50-12:15	Dr. Dmitry Karpinsky SSPA "Scientific-Practical Materials Research Centre of NAS of Belarus" (Republic of Belarus) "Crystal structure and orbital ordering of BiMnO ₃ + δ (0 < δ < 0.14) compounds across the phase boundary"		
12:15-12:40	Dr. Ling Peng , <i>CNRS</i> , <i>Aix-Marseille University</i> , <i>(France)</i> "Charm of dendrimer nanotechnology in biomedical applications"		
12:40-13:05	Prof. Anatoli Popov Institute of Solid State Physics, University of Latvia (Latvia) "Distinctive features of diffusion-controlled point defect recombination in irradiated functional ceramics for nuclear applications"		
12.05.14.05	Coffee break and Conference photo		
13:05-14:05	-		
14:05-14:30	Prof. Sviatoslav Kirillov <i>Joint Department of Electrochemical Energy Systems (Ukraine)</i> "Enhancing high-rate electrochemical properties of LiMn ₂ O ₄ by means of surface modification"		
14:30-14:55	Dr. Alex Laikhtman Holon Institute of Technology, Sciences Department (Israel) "Tungsten Disulfide Nanoparticles as Media for Hydrogen Storage: Experiment and Simulations"		
14:55-15:20	Prof. Sergey Kolotilov <i>L.V.Pisarzhevskii Institute of Physical Chemistry of NASU (Ukraine)</i> "Composites of metal-containing nanoparticles for catalytic hydrogenation of heterocyclic organic compounds"		
15:20-15:45	Prof. Dominik Legut VSB - Technical University of Ostrava (Czech Republic) "Lattice dynamics and trimeron order of the Verwey transition in magnetite - theory vs. experiment"		
15:45-16:10	Dr. Oleksiy Shvets <i>L. V. Pisarzhevskii Institute of physical chemistry of the National academy of sciences of Ukraine</i> (Ukraine) "Zeolite nanocomposites with variable acid and basic properties – effective catalysts for fine chemical synthesis and industrial reaction"		
16:10-16:35	Dr. Krzysztof Szczepanowicz <i>Jerzy Haber Institute of Catalysis and Surface Chemistry PAS (Poland)</i> "Polymeric core-shell nanoparticles – preparation, characterization and biomedical application"		
16:35-17:00	Dr. Oleg Lavrentovich Kent State University, Advanced Materials and Liquid Crystal Institute, Department of Physics and Materials Science (USA) "Liquid crystal elastomer coatings with dynamic nanoscale topography and their applications"		
17:00- 17:30	Single Market and Horizont Europe Programmes, EEN Programmes and its Instruments for support innovations		
17:30-18:30	Welcome networking cocktail party (Free entrance)		
10:00-17:30	Poster Session PLEASE NOTE THAT THE PRESENTATION OF EACH POSTER IS ONLY POSSIBLE FOR ONE DAY!		



















	Thursday, 26.08.2021(6 Listopadovoho Chyna Street, Lviv, House of Scientists)			
09:00-18:00	Registration			
Sec	Section "Nanoplasmonics and surface-enhanced spectroscopy" (Dr. Olena Fesenko) Section "Nanoobjects microscopy"			
09:00-09:15	PhD student Anastasiia Tomchuk Taras Shevchenko National University of Kyiv, Physics			
	Department (Ukraine) "Laser-induced periodic Ag surface structure with Au nanorods			
	plasmonic nanocavity metasurface for strong enhancement of adenosine nucleotide label-free			
	photoluminescence imaging"			
09:15-09:30	Prof. Istvan Csarnovics University of Debrecen, Faculty of Science and Technology,			
	Institute of Physics (Hungary) "Investigation of surface-enhanced Raman scattering on gold			
	nanoislands substrates with different geometrical parameters and analytes"			
09:30-09:45	PhD student Martyna Tupikowska University of Warsaw, Faculty of Chemistry (Poland)			
	"Reconfigurable plasmonic systems based on liquid crystalline nanoparticles"			
09:45-10:00	Prof. Dmytro Snizhko Kharkiv National University of Radioelectronics (Ukraine)			
	"Atomic-Force Microscopy of Laser-Induced Periodic Surface Structures"			
	Section "Nanobiotechnology for healsth-care" (Dr. Olena Fesenko)			
10:00-10:15	PhD student Alina Oliinyk F.D. Ovcharenko Institute of Biocolloid Chemistry of NASU			
	(Ukraine) "Bioconjugates of nanogold with Chlorella v. polysaccharides selectively			
	inactivate leukemia cells"			
10:15-10:30	Dr. Anton Tkachenko Kharkiv National Medical University (Ukraine) "GdYVO ₄ :Eu ³⁺			
	nanoparticles-triggered effects on cultured dermal fibroblasts"			
10: 30-10:45	Prof. Andrii Netreba Taras Shevchenko National University of Kyiv, Faculty of radio			
	physics, electronics and computer systems (Ukraine) "Proton magnetic resonance response			
	modification dependence estimation on aggregate biol ogical object spatial regions state"			
10:45-11:00	PhD student Svitlana Ukrainska O.O. Bogomoletz Institute of Physiology of NASU			
	(Ukraine) "Effect of gold nanocomposites treatment on male reproductive function under			
	conditions of experimental chronic kidney disease"			
11:00-11:15	Coffee break			
Section	"Nanocomposites and nanomaterials" (Prof. Dmytro Snizhko, Dr. Anna Potapenko)			
11:15-11:30	PhD Student Oksana Cherniuk Chuiko Institute of Surface Chemistry, NASU (Ukraine)			
	"Synthesis and catalytic properties of nitrogen-containing carbon nanotubes"			
11:30-11:45	Dr. Anna Potapenko Joint Department of Electrochemical Energy Systems (Ukraine)			
	"Electrochemical characteristics of silicon oxide with water-soluble binder for new			
	generation of LIBs"			
11:45-12:00	Prof. Pawel Sikora Technical University of Berlin (Germany) "Nano-engineered			
	cementitious composites: Perspectives of advanced functional materials"			
12:00-12:15	Prof. Ihor Stolyarchuk Drohobych Ivan Franko State Pedagogical University (Ukraine)			
	"Magneto-optical characterizations of CdMnTe micro- and nanoparticles"			
12:15-12:30	Dr. Anna Pajor-Świerzy Jerzy Haber Institute of Catalysis and Surafce Chemistry			
	(Poland) "Application of nanocomposite metallic ink for fabrication of conductive coatings			
	at low-temperature sintering"			
12:30-12:45	Prof. Yulia Bondar State Institution "The Institute of Environmental Geochemistry of			
	NASU"(Ukraine) "Fabrication of nancomposite polymer granules for enhanced removal of			
10 15 10 00	cesium radionuclides"			
12:45-13:00	Student Zuzanna Lawera University of Warsaw (Poland) "From halide perovskites to			
15 00 11 00	anisotropic semiconductors - new method of CdS nanorods synthesis"			
13:00-14:00	Lunch			
14:00-14:15	Student Mateusz Pawlak University of Warsaw (Poland) "Unusual odd-even effect in			
14.15.14.20	helical assemblies of metallic nanoparticles"			
14:15-14:30	Prof. Dr. Amir Fahmi Faculty Technology and Bionics, Rhein-Waal University of Applied			
	Sciences (Germany) "Unidirectional Nanostructured Hybrid Materials"			
14:30-14:45	Dr. Liudmyla Gryshchuk Leibniz-Institut für Verbundwerkstoffe GmbH (Germany) "Bio-			
14.45 15 00	based soft polyurethane foams filled with coffee waste"			
14:45-15:00	PhD student Dorota Grzelak University of Warsaw (Poland) "Chirality transfer in liquid			
	crystal and gold nanoparticle nanocomposites"			
15:00-15:15	Dr. Matej Baláž Institute of Geotechnics, Slovak Academy of Sciences (Slovakia) "Biomechanochemical synthesis of antibacterially active nanocomposite based on Ag			
	mechanochemical synthesis of antibacterially active hanocomposite based on $\Delta \sigma$			
	•			
15:15-15:30	nanoparticles, eggshell waste and Thymus serpyllum, L. plant" Prof. Oleksandr Bochechka V. Bakul Institute for Superhard Materials of NASU (Ukraine)			

	"Effect of surface modification of diamond nanopowder particles on the properties of
	nanocomposite" Prof. Alexander Kukhta Institute for Nuclear Problems, Belarusian State University,
15:30-15:45	(Republic of Belarus) "Luminescent and electrophysical properties of MoS2 nanosheets and
	its composites with polymer and graphene"
15:45-16:00	PhD student Natalia Kowalska University of Warsaw, Chemistry Department (Poland)
	"Helical systems built from anisotropic gold nanoparticles and liquid crystal matrix –
46.00.46.45	preparation and physicochemical characteristic"
16:00-16:15	Coffee break
16:15-16:30	Student Filip Bandalewicz University of Warsaw, Faculty of Chemistry (Poland) "Chiral
	induction and synthesis of gold nanoparticles with chiral morphology after phase transfer
16:30-16:45	using hydrophobic promesogenic ligands" Dr. Myroslav Ya Sushko <i>Odesa Mechnikov National University (Ukraine)</i> "Effective
10:30-10:43	Dr. Myroslav Ya Sushko <i>Odesa Mechnikov National University (Ukraine)</i> "Effective electrical parameters of systems of fine anisotropic particles"
16:45-17:00	PhD student Agnieszka Jedrych University of Warsaw (Poland) "A novel method of
10.43-17.00	ordering nanoparticles in photosensitive organic nanotubes"
17:00-17:15	Dr. Karina Valihura L.V. Pisarzhevsky Institute of Physical Chemistry of NASU (Ukraine)
17.00-17.13	"Catalytic properties of Mg-Al-Ce oxide systems in gas phase conversion of ethanol to 1-
	butanol in a flow reactor"
17:15-17:30	Dr. Fatih Doğan Koca <i>Erciyes University (Turkey)</i> Synthesis of Cu hybrid nanoflower with
17.15 17.50	their antimicrobial activity
17:30-17:45	Dr. Vitalii Chornii National University of Life and Environmental Sciences of Ukraine
17.30 17.13	(Ukraine) "Synthesis and luminescence properties of phosphate-molybdate glasses and
	glass-ceramics doped with Pr ³⁺ and Eu ³⁺ ions"
17:45-18:00	PhD student Piotr Szustakiewicz University of Warsaw (Poland) "Assemblies of binary
	gold nanoparticles with reconfigurable structure and optical properties"
09:00-18:00	Poster Session
	PLEASE NOTE THAT THE PRESENTATION OF EACH POSTER IS ONLY
18:15-20:15	POSSIBLE FOR ONE DAY! Theatrical excursion "Lviv through the ages"
	Friday, 27.08.2021(6 Listopadovoho Chyna Street, Lviv, House of Scientists) Section "Physico-chemocal nanomaterials science" (Prof. Andrii Netreba)
09:00-18:00	Registration
09:00-09:15	
07.00 07.10	
	Dr. Pavlo Kolkovskyi Vasyl Stefanyk Precarpathian National University (Ukraine)
00.15 00.30	"Synthesis, structure and electrochemical properties of perovskite LaMnO ₃ "
09:15-09:30	"Synthesis, structure and electrochemical properties of perovskite LaMnO ₃ " PhD student Sylwia Parzyszek <i>University of Warsaw</i> (<i>Poland</i>) "Induced optical properties
	"Synthesis, structure and electrochemical properties of perovskite LaMnO ₃ " PhD student Sylwia Parzyszek <i>University of Warsaw</i> (<i>Poland</i>) "Induced optical properties of semiconductor nanocrystals soft assemblies"
	"Synthesis, structure and electrochemical properties of perovskite LaMnO ₃ " PhD student Sylwia Parzyszek <i>University of Warsaw</i> (<i>Poland</i>) "Induced optical properties of semiconductor nanocrystals soft assemblies" Prof. Ersin Guler <i>University of Selcuk, Department of Chemistry (Turkey)</i> "Synthesis and
09:30-09:45	"Synthesis, structure and electrochemical properties of perovskite LaMnO ₃ " PhD student Sylwia Parzyszek <i>University of Warsaw</i> (<i>Poland</i>) "Induced optical properties of semiconductor nanocrystals soft assemblies" Prof. Ersin Guler <i>University of Selcuk, Department of Chemistry (Turkey)</i> "Synthesis and characterization of deca-quinoline bearing pillar[5]arene macrocycle"
09:15-09:30 09:30-09:45 09:45-10:00	"Synthesis, structure and electrochemical properties of perovskite LaMnO ₃ " PhD student Sylwia Parzyszek University of Warsaw (Poland) "Induced optical properties of semiconductor nanocrystals soft assemblies" Prof. Ersin Guler University of Selcuk, Department of Chemistry (Turkey) "Synthesis and characterization of deca-quinoline bearing pillar[5]arene macrocycle" PhD student Aliaksandra Radchanka Institute for Physical Chemical Research,
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	levitated in linear electrodynamic trap"
11:45-12:00	Dr. Svitlana Bugaychuk Institute of Physics of NASU (Ukraine) "Surface-confined
	optically controlled liquid crystal elements"
12:00-12:15	Prof. Eugene Glushko VE Lashkaruov Institute of Semiconductor Physics of NASU
	(Ukraine) "Local modes and local resonances in photonic structures containing doubled
10 15 10 00	defect: applications"
12:15-12:30	Dr. Oleh Yermakov V. N. Karazin Kharkiv National University Ukraine (Ukraine)
10 20 10 45	"Hyperbolic plasmons at resonant anisotropic metasurfaces"
12:30-12:45	Dr. Andrey ILJIN Institute of Physics, NAS of Ukraine (Ukraine) "Dynamics of optical
12 45 12 00	activity of polymer-stabilized blue phase"
12:45-13:00	Dr. Alexander Sorokin <i>Institute for Scntillation Materials of NASU (Ukraine)</i> "Spectroscopic study of amphi-PIC J-aggregates interaction with bovine serum albumin"
13:00-13:15	Dr. Krzysztof Pomorski Cracow University of Technology, Faculty of Computer
13.00 13.13	Scienceand Telecommunications, Quantum Hardware Systems (Poland) "Quantum
	information processing in nanostructures in photonic tight-binding model"
13:15-14:15	Lunch
	Section "Nanochemistry and biotechnology" (Dr. Liudmyla Gryshchuk)
14:15-14:30	Dr. Iuliia Mukha Chuiko Institute of Surface Chemistry of NASU (Ukraine) "Formation of
	gold colloids with tunable size of nanoparticles"
14:30-14:45	Dr. Adrian Augustyniak West Pomeranian University of Technology in Szczecin (Poland)
	"Pseudomonas aeruginosa and its reaction to sublethal concentrations of carbon
	nanomaterials"
14:45-15:00	Dr. Ruslan Mariychuk University of Presov (Slovakia) "Phytosynthesis of irregularly
	shaped gold nanoparticles: peculiarities, challenges, and future perspectives"
15.00.15.15	Section "Nanostructured surfaces" (Dr. Ruslan Mariychuk)
15:00-15:15	Dr. Oksana Koplak Institute of Problems of Chemical Physics of RAS (Russia) "Laser
	modulation of amorphous PrDyFeCoB microwires"
15:15-15:30	Prof. Kateryna Muzyka Kharkiv National University of Radio Electronics (Ukraine)
	"Laser-based Nanostructured Materials for Electroanalysis"
15:30-15:45	Prof. ZAFER YAZICIGIL Selcuk University, Faculty of science (Turkey) "8-{4-
	(azidomethyl)phenyl}-4,4-difluoro-1,3,5,7-tetramethyl-4-bora-3a,4a-diaza-s indacene (BODIPY-I)
	Compound on the Gold Electrode Surface Investigation of Electrochemical Behaviors"
15:45-16:00	Dr. Sergii Sologub Institute of Physics of NASU (Ukraine) "Electronic (magneto)transport
	in pristine and adsorption-modified epitaxial Bi nanofilms"
16:00-16:15	Coffee break
16:15-16:30	Dr. Victor Kislyuk G.V. Kurdyumov Institute of Metal Physics (Ukraine) "PV encapsulant
16 20 16 45	material mechanical properties (peculiarities and their microscopic mechanisms)"
16:30-16:45	Prof. Andrii Goriachko <i>Taras Shevchenko National Univesity of Kyiv (Ukraine)</i> "(Ce+O)/Mo(112) Nanostructured Surface"
16:45-17:00	
10.43-17.00	Prof. Yuriy Zholudov <i>Kharkiv National University of Radio Electronics (Ukraine)</i> "Electrogenerated chemiluminescence in thin polymer films on smooth and nanostructured
	electrode surfaces"
	Section ''Nanoscale physics'' (Dr. Oksana Budnyk)
17:00-17:15	Prof. Dariia Matulka Lviv Polytechnic National University, Department of Applied Physics
17.00 17.12	and Nanomaterial Science (Ukraine) "Features of optical characteristics of nanoobjects"
17:15-17:30	Dr. Natalia Rusinchuk Taras Shevchenko National University of Kyiv, Institute of High
	Technologies (Ukraine) "Physical description of near-field interaction of nanoparticles with
	microorganisms"
17:30-17:45	PhD student Svitlana Balika Odesa Mechnikov National University (Ukraine) "Role of
	interface effects in the formation of the electrical conductivity of electrolyte-based suspensions"
17:45-18:00	Prof. Nataliya Kizilova V.N.Karazin Kharkov National University (Ukraine) "Generalized
	constitutive equations and coupled phenomena at the nanoscale: applications to
09:00-18:00	nanofluidics" Poster Session
07.00-10.00	PLEASE NOTE THAT THE PRESENTATION OF EACH POSTER IS ONLY
	POSSIBLE FOR ONE DAY!
	Closing ceremony