

Sunday, 24 September,*Lviv*

15:00 - 19:00		Arrival in Lviv and registration (University Hostel Stets'ka Street 3 Lviv)
19:00		Get-together walk

Monday, 25 September,*Lviv, Main building of Ivan Franko University, Assembly Hall*

9:00 - 10:00		Registration
10:15 - 12:00		Session 1 Chairman S. Mudry
10:15 - 10:30		Conference opening
10:30 - 11:00	T.Bryk	What do we know about the structure and dynamics of liquid metals at high pressure?
11:00 - 11:20	I. Saldan,	Catalyst Screening for Improved Hydrogen Reversible Sorption in Magnesium Borohydride
11:20 - 11:40	M.Chyllii	Intrinsic recombination luminescence of SrF ₂ nanoparticles.
11:40 - 12:00	G.Ponedilok, M.Klapchuk	Localized states in amorphous metals
12:00 - 12:30		Coffee break
12:30 - 14:00		Session 2 Chairman I. Shcherba
12:30 - 13:00	J. Felba	Nano- and micro-sized silver particles for electronic packaging
13:00 - 13:20	O.V.Velychko	Modelling of electronic properties of the stage ordered layered structures intercalated by complex particles
13:20 - 13:40	N. Guskos	Magnetic Properties of nCoO/(1 - n)ZnO Nanocomposites
13:40 - 14:00	D. Pawlikowska	Influence of Hybrid System of Nanofillers Including MWCNTs, Graphene Nanoplatelets and Carbon Black on PET-G Post-Consumer Foils
14:00 - 15:00		Lunch
15:00 - 17:00		Session 3 Chairman J. Felba
15:00 - 15:30	L. Murawski	Electrical Properties of Glasses with Metallic or Semiconducting Nanostructures
15:30 - 16:00	B. V. Padlyak	Spectroscopic Properties and Intrinsic Luminescence of Un-Doped Borate Glasses
16:00 - 16:20	B. Lukiyanyets, D. Matulka	Electron Tunneling in Intercalated Layered Crystal in External Magnetic Field
16:20 - 16:40	P. Shchepanskyi	Refractive Parameters of K ₁ .75[NH ₄] _{0.25} SO ₄ Crystals: Ab Initio Calculations, Experimental Measurements
16:40 - 17:00	P.P. Trokhimchuck	Problems of Modeling Structural Phase Transformations in Relaxed Optics
17:00 - 17:30		Coffee break
17:30 - 18:30		Poster session 1 Chairman L. Murawski
19:00		Dinner

Tuesday, 26 September,
Main building of Ivan Franko University, Mirror Hall, 1
transfer day from Lviv to Yaremche

10:00 - 11:30		Session 4 Chairman N. Guskos
10:00 - 10:30	C. Aidinis	Dynamic and static magnetic properties of four compounds from $\text{FeVO}_4\text{-Co}_3\text{V}_2\text{O}_8$ system
10:30 - 10:50	A. Yakymovych	Effects of Al Additions and Annealing Treatment on CoCrFeNi Alloy Microstructure
10:50 - 11:10	<u>M. Leitner</u>	Density Determination of Liquid Niobium by Means of Ohmic Pulse-Heating for Critical Point Estimation
11:10 - 11:30	Z Chornyak	Future and emerging technologies in the context of the Horizon 2020 Program
12:00 - 13:00		Lunch
13:30 - 17:30		Bus transfer to Yaremche (with sightseeing in Staryi Halych)
20:00		Dinner in Yaremche

Wednesday, 27 September,
Yaremche

10:00 - 11:30		Session 5 Chairman V. Kotsyubynsky
10:00 - 10:30	<u>S. Gulkowski</u>	Modeling Studies of Grid Connected p-Si Photovoltaic System in Polish Climate Conditions
10:30 - 10:50	<u>M. Mokhnatskyi</u>	Synthesis structure and electrochemical properties of a perovskite like structure LaMeO_3 (Me=Cr, Fe, Co).
10:50 - 11:10	<u>G. Zolnierkiewicz</u>	Magnetic properties of graphene oxide/magnetite nanocomposites in concentrated form and dispersed in polymer matrix.
11:10 - 11:30	V. I. Grytsay	Chaotic Dynamics of the Metabolic Process in a Cell
11:30 - 12:00		Coffee break
12:00 - 14:00		Session 6 Chairman V. Kotsyubynsky
12:00 - 12:30	J. Rybicki	Fractal Geometry in Architecture
12:30 - 13:00	A. (Andreas) Guskos	Art, Nature and Information
13:00 - 13:30	M. Pawłowski	COEXISTANCE: Thinking of the Future of Printmaking
13:30 - 14:00	Magdalena Uchman	This is my movie...
14:00 - 15:00		Lunch
15:00 - 16:30		Poster session 2 Chairman V. Girzhon
16:30 - 20:00		Get-together walk in Yaremche
20:00 - 23:00		Gala dinner

Thursday, 28 September,
Yaremche

10:00 - 18:00		Trip to Karpatia Mountains
19:00		Dinner

Friday, 29 September,
Yaremche

10:00 - 12:00		<i>Session 7</i> <i>Chairman J. Rybicki</i>
10:00 - 10:20	<u>O. Smolyakov</u>	Simulation of Two-Dimensional Quasi-Periodic Lattices
10:20 - 10:40	<u>V. I. Marenkov</u>	Electronic Properties of Nanostructured Heat-Resistant Metal
10:40 - 11:00	<u>G. V. Macknovetsc</u>	Optical Properties of Layered Compounds TlGaSe ₂ - ZnSe
11:00 - 11:20		<i>Conference closing</i>
13:00 - 14:00		<i>Lunch</i>
15:00		<i>Bus transfer to Lviv</i>

Poster sessions

Poster Sections 1	
Monday, 25 September, Lviv	
1.	O. Balaban, I. Grygorchak, B. Lukiyaneets <i>“Spin-Battery” – Effect on Dielectric Nanofibers in a System of Magnetic Nanoclusters</i>
2.	O. Baran, V. Ohanyan, T. Verkholyak <i>Spin-1/2 XY Model of Magnetoelectric on Zigzag Ladder: Exact Results</i>
3.	T. H. Beinyk, N. A. Matveevskaya <i>Mono- and Multi-Layer Film Structures Based on Au Nanostars</i>
4.	T. Demchuk, T. Bryk, A. P. Seitsonen <i>Structure and Dynamics of Molten Silicon at High Pressures: Ab initio Molecular Dynamics Study</i>
5.	T. Demkiv, O. Halyatkin, M. Chyliij, T. Malyi, A. Zhyshkovych, L. Demkiv, V. Vistovskyy, A. Voloshinovskii <i>Luminescence of Polystyrene Composites with YVO₄:Eu Nanoparticles under X-Ray Excitation</i>
6.	V. Dutka, Ya. Kovalskyi, N. Oshchapovska, O. Aksimentyeva, H. Halechko <i>Synthesis and Physico-Chemical Properties of Polymer-Polymer Composites Based on Polyaniline and Polyvinyl Alcohol</i>
7.	I. Ye. Galstyan, M. M. Nishenko, M. M. Yakimchuk, L. I. Herunencko, G. P. Prikhodko <i>Optical Properties of Polytetrafluorethylene-Carbon Nanotube Composite in Light Spectrum Range 320–3000 nm</i>
8.	T. V. Holubets <i>Investigation of Equilibrium State of Water and Two-Component Gas Mixture of Dry Air and Water Vapor at Phase Separation Surface in Phase Transition Conditions</i>
9.	V. Hordiichuk, A. Trokhymchuk, J. Skvara, I. Nezbeda <i>Reference System for Lennard-Jones Fluid</i>
10.	T. S. Kavetskyi, O. Sausa, A. L. Stepanov <i>Carbon Nanostructures and Metal Nanoparticles in Ion-Implanted Polymeric Materials: Possibilities of Positron Annihilation Spectroscopy Studies</i>
11.	B. P. Koman <i>Interfacial Interaction in Elastically-Plastically Deformed Single Crystals of Semiconductors</i>
12.	P. Kostrobij, B. Markovych, O. Viznovych, M. Tokarchuk <i>Generalized Diffusion Equation with Fractional Derivatives within Renyi Statistics</i>
13.	P. Kostrobij, B. Markovych <i>Effect of Coulomb Interaction on Chemical Potential of Metal Film</i>
14.	P. Kostrobij, I. Ryzha <i>Carbon Monoxide Oxidation on Catalyst Surface: Modeling and Stability</i>
15.	Yu. O. Kulyk, S. Mudry <i>Temperature Dependence of Short Range Order and Kinetics of Nanocrystallization in Al₈₆Ni_{8-x}CoxGd₆ (x = 0 ; 2 at.%) Amorphous Alloys</i>
16.	N. Yu. Lutsyk, O. G. Mykolaychuk <i>Structure and Conductivity Mechanisms of GaSb-GeTe Amorphous Films</i>
17.	V. I. Lysov, T. L. Tsaregradskaya, O. V. Turkov, G. V. Saenko <i>Obtaining of Amorphous-Nanostructure State by Partial Crystallization of Amorphous Alloys Based on Cobalt</i>
18.	Yu. Nykyruiy, S. Mudry <i>Structure Transformation in Fe₇₃.5Nb₃Cu₁ Si₁₅.5B₇ Amorphous Alloy Induced by Laser Radiation</i>
19.	Z. Oliynyk, A. Korolyshyn <i>Al-Cu-Fe System Alloy Structure Formation at Crystallization</i>
20.	V. I. Prisyazhnyuk, O. G. Mykolaychuk <i>Stability of Structure and Physical Properties of Gd-Fe Films</i>
21.	V. V. Romaka, V. Krayovskyy, L. P. Romaka, Z. Rykavets, Yu. Stadnyk, A. Horyn <i>Mechanism of Generation of Donor-Acceptor Pairs in n-ZrNiSn Semiconductor Heavily Doped by Ga Acceptor Impurity</i>
22.	R. Romanyuk <i>Radiation-Induced Changes of Physical Properties of a-GeSe Thin Films</i>
23.	I. Shcherba, H. Noga, B. Jatsyk, M. Kovalska, S. Senkiv <i>Electron Structure, Magnetic</i>

	<i>Properties and X-Ray Spectra of R.E.M2X2 (M = Fe, Ni, Co, Cu; X = P, Si)</i>
24.	P. I. Shevchuk <i>On the Nature of Eutectic Alloys</i>
25.	O. Shved, L. Salamakha, O. Sologub, S. Mudry <i>Hf-Ni-Al System at 800_C: Crystal Structures and Electrical Properties</i>
26.	O. S. Skakunova, V. B. Molodkin, V. V. Lizunov, S. V. Lizunova, Ye. M. Kyslovs'kyy, O. V. Reshetnyk, T. P. Vladimirova, K. V. Fuzik <i>A model of Non-Destructive Diagnostics of Inhomogeneously Distributed In-Depth Macrostrains and Microdefects in Functional Materials</i>
27.	V. Sklyarchuk, Yu. Plevachuk, B. Sokoliuk, A. Yakymovych <i>Influence of Metal Admixtures on Structure-Sensitive Properties of Sn-Ag-Cu Alloys</i>
28.	V. E. Sokol'skii, D. V. Pruttskov, V. M. Busko, V. P. Kazimirov, O. S. Roik, A. D. Chyrkin <i>Structure of CaO-Al2O3-SiO2 Melts</i>
29.	B. Sus, V. Synyushko <i>Physics is the Science of the Future</i>
30.	Y. V. Taranets, O. N. Bezkrovnyaya, I. M. Pritula <i>Amino Acids as Growth Inhibitors of Calcium Oxalate Monohydrate Crystals</i>
31.	R. Wojnarowska-Nowak, O. Shynkarenko, J. Polit, S. Nowak, S. Prokhorenko, E. M. Sheregii <i>Surface Plasmon Resonance and Oscillation Spectroscopy for Cancer Diagnostics</i>
32.	O. Yakovenko, V. P. Kazimirov, O. Roik, V. E. Sokol'skii <i>X-Ray Diffraction Study of Liquid Ternary Al-Fe-Ge Alloys</i>
33.	A. Yakymovych, H. Ipser <i>Reinforced Sn-Ag-Cu Solders: Metal Nanoinclusions Versus Alloying Elements</i>

Poster Section 2

Wednesday, 27 September, Yaremche	
1.	V. S. Bushkova, B. K. Ostafiychuk, I. P. Yaremiy <i>Structure and Electrical Properties of NiCr_xFe_{2-x}O₄ Ferrites</i>
2.	V. V. Girzhon, A. V. Smolyakov <i>Laser Fusion of Zr-Nb-Alloys in Different Gas Environments</i>
3.	V. F. Gorban, M. V. Karpets, O. V. Kantsyr, T. V. Homko <i>Features of Structural State of Magnetron Coating of High-Entropy FeCoNiCrMn Alloy</i>
4.	N. Guskos, G. Zolnierkiewicz, J. Typek, A. (Aleksander) Guskos, E. Kusiak-Nejman, A. Wanag, J. Kapica-Kozar, Ł. Kowalczyk, A. W. Morawski <i>EPR Investigation of TiO₂-GO and TiO₂-rGO Nanocomposite Hybrids</i>
5.	N. Guskos, G. Zolnierkiewicz, J. Typek, A. (Aleksander) Guskos, E. Kusiak-Nejman, A. Wanag, J. Kapica-Kozar, Ł. Kowalczyk, A. W. Morawski <i>EPR Investigation of TiO₂-GO and TiO₂-rGO Nanocomposite Hybrids</i> .
6.	N. Guskos, G. Zolnierkiewicz, J. Typek, E. Pilawska, A. (Aleksander) Guskos, E. Kusiak-Nejman, A. Wanag, J. Kapica-Kozar, A. W. Morawski <i>Influence of Calcination Temperature on Magnetic Properties of Benzene Modified TiO₂ Nanoparticles</i>
7.	A. Hrubciak, V. Kotsyubynsky, V. Moklyak, L. Mokhnatska, P. I. Kolkovsky, S. Fedorchenko <i>Photooxidation Effect on -FeOOH Electrode in Aqueous KOH Electrolyte</i>
8.	M. Kozak, V. Zhickarev, V. Loya <i>Spectroscopic and Ellipsometric Studies of Photo- and Thermal Changes in Chalcogenide Glasses and Their Thin Films</i>
9.	I. M. Lishchynskyy, O. M. Voznyak, T. Wagner, I. G. Kaban <i>Phase-Separation in (GeS₂)_{100-x}Ag_x, (Ge₄₂S₅₈)_{100-x}Ag_x and (GeS₃)_{100-x}Ag_x Glasses</i>
10.	L. Mokhnatska, A. Hrubciak, V. Kotsyubynsky, V. Moklyak <i>Ultrafine -FeOOH: Synthesis, Optical and Magnetic Properties</i>
11.	A. Molnar, D. Gal, H. Ban, V. Gerasimov <i>3D Triboelectric Nanogenerator Based on Ferroelectric Powder Internal Motion</i>
12.	B. K. Ostafiychuk, I. I. Budzulyak, B. Rachiy, A. Kachmar, R. Lisovsky, V. Mandzyuk <i>Nanoporous Carbon as Electrode Material for Electrochemical Capacitors</i>

13.	O. Pursky, V. Konstantinov <i>Thermal Expansion Effect on Phonon Localization in Disordered Molecular Crystals</i>
14.	O. A. Rokitska, M. V. Karpets, M. O. Krapivka, V. F. Gorban, S. O. Firstov <i>Influence of Alloying on Fe Aproximant Phase Content in Ti-Cr-Al-Si-O System</i>
15.	E. Rudenko, I. Korotash, D. Polotskiy, Z. Tsybrii, F. Sizov <i>AlN Films Grown on Flexible Polymeric Substrates</i>
16.	P. Shygorin, Yu. Skopiuk, V. Bozhko, B. Venhryn <i>Josephson Supercurrent in Multilayered Tunnel Junction</i>
17.	A. V. Tyurin, S. A. Zhukov, A. Yu. Akhmerov, V. P. Churashov <i>Spectral Sensitization of Heterophase Microsystems "CaF₂-Core-AgBr-Shell" by Dyes</i>
18.	B. Venhryn, I. Grygorchak, S. Mudry, P. Shygorin <i>New Carbon Architectures for Molecular Storage Devices of Electric Energy</i>
19.	L. Yablon, I. I. Budzulyak, B. K. Ostafiychuk, O. Hemiy, O. Morushko <i>Electrochemical Properties of Hydrothermally Synthesized Composite Alpha-Ni(OH)₂/C</i>
20.	L. Zbihlei, V. Moklyak, O. Khemii <i>FeF₃ · 0.33H₂O and FeF₃ · 0.33H₂O/C as Cathode Materials for Lithium</i>