

FNMA'17 and **PDS'17** joint conferences will be held in Lviv (25-26 September) and continued in Yaremche (27-29 September).

The aim of the Conference is to provide an opportunity for a meeting of scientists and technologists working on novel functional and nanostructured materials.

The conference programme will cover experimental investigations, theory and modelling of:

- Photonic and optoelectronic materials
 - Photovoltaics
 - Catalytic and photocatalytic materials
 - Nano- and Micro-sized materials for electronics
 - Physics and technology of nanostructured semiconductors and superconductors
 - Nanoparticle materials and nanolithography
 - Physics and technology of carbon nanotubes and carbon-based materials
 - Nanobiotechnology
 - Nanotechnology Health & Safety
 - Ab initio methods for nanospectroscopy
 - Micro/Nano Electro Mechanical Systems (MEMS/NEMS): technology and applications
 - Industrial applications of nanotechnology
 - Magnetic materials and diluted magnetic semiconductors
 - Organic, hybrid and composite materials
 - Auxetics and other mechanical metamaterials
 - Theory of liquid and amorphous alloys
 - Structure of disordered systems
 - Physical properties of melts and amorphous alloys
 - Simulation of structure and physical properties
-

Main Organizers:

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[Ministry of Education and Science of Ukraine](#)



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[Vasyl Stefanyk Precarpathian National University, Ukraine](#)



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Conference programme
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Abstract book can be downloaded from [here](#).

Sunday, 24 September, Lviv		
15:00 - 19:00		Arrival in Lviv and registration (University Hostel Stets'ka Street 3 Lviv)
20:00		Get-together walk

Monday, 25 September, Lviv		
Main building of Ivan Franko University, Assembly Hall		
9:00 - 10:00		Registration
10:15 - 12:00	Chairman S. Mudry	Session 1
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	G. Ponedilok, M. Klapchuk	Localized states in amorphous metals
11:40 - 12:00	M. Chylii	Intrinsic recombination luminescence of SrF ₂ nanoparticles
12:00 - 12:30		Coffee break
12:30 - 14:00	Chairman A. Sikorski	Session 2
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	Chairman J. Felba	Session 3
15:00 - 15:30	L. Wicikowski, L. Murawski	Electrical Properties of Glasses with Metallic or Semiconducting Nanostructures
15:30 - 16:00	P. P. Trokhimchuk	Problems of Modeling Structural Phase Transformations in Relaxed Optics
16:00 - 16:20	B. Lukiyanets, D. Matulka	Electron Tunneling in Intercalated Layered Crystal in External Magnetic Field
16:20 - 16:40	M. Rudysh	Electronic Structure and Physical Properties of Ag ₂ XS ₃ (X = Si, Ge, Sn) Ternary Semiconductors
16:40 - 17:00	P. Shchepanskyi	Refractive Parameters of K _{1.75} [NH ₄] _{0.25} SO ₄ Crystals: Ab Initio Calculations, Experimental Measurements
17:00 - 17:30		Coffee break
17:30 - 19:00	Chairman L. Murawski	Poster session 1
20:00		Dinner

Tuesday, 26 September, transfer day from Lviv to Yaremche		
Main building of Ivan Franko University, Mirror Hall		
10:00 - 11:30	Chairman N. Guskos	Session 4

10:00 - 10:30	A. Sikorski	Dynamics in Crowded Environments
10:30 - 10:50	A. Yakymovych	Effects of Al Additions and Annealing Treatment on CoCrFeNi Alloy Microstructure
10:50 - 11:10	V. Raczynska	Properties of n-Cyanobiphenyls Mesogene Phases between Graphene Planes – Computer Simulation Study
11:10 - 11:30	P. Shchepanskyi	Electronic and Refractive Properties of LiNaSO ₄ Crystals
11:30 - 12:00		Coffee break
12:00 - 12:40	Chairman J. Rybicki	Session 5
12:00 - 12:20	M. Leitner	Density Determination of Liquid Niobium by Means of Ohmic Pulse-Heating for Critical Point Estimation
12:20 - 12:40	B. V. Padlyak	Spectroscopic Properties and Intrinsic Luminescence of Un-Doped Borate Glasses
12:40 - 13:40		Lunch
14:30 - 18:30		Bus transfer to Yaremche (with sightseeing in Staryi Halych)
20:00		Dinner in Yaremche

Wednesday, 27 September, Yaremche

10:00 - 11:30	Chairman B. Ostafiychuk	Session 6
10:00 - 10:30	S. Gulkowski	Modeling Studies of Grid Connected p-Si Photovoltaic System in Polish Climate Conditions
10:30 - 10:50	I. M. Gasyuk	Investigation of Li ⁺ -ion Mechanism of Conductivity of Li ₂ O-Fe ₂ O ₃ -Al ₂ O ₃ Ceramics
10:50 - 11:10	G. Zolnierkiewicz	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	Chairman I. M. Gasyuk	Session 7
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	A. Marcinkowski	The Theory of Waves in a Context – My Graphic Art
13:30 - 14:00	M. Pawlowski	COEXISTANCE: Thinking of the Future of Printmaking
14:00 - 15:00		Lunch
15:00 - 16:30	Chairman V. Girzhon	Poster session 2
16:30 - 20:00		Get-together walk in Yaremche
20:00 - 23:00		Dinner

Thursday, 28 September, Yaremche

09:00 - 18:00		Trip to Karpatia Mountains
19:00		Gala dinner

Friday, 29 September, transfer day from Yaremche to Lviv

10:00 - 12:00	Chairman L. Wicikowski	Session 8
10:00 - 10:20	O. Smolyakov	Laser Fusion of Zr-Nb-Alloys in Different Gas Environments
10:20 - 10:40	M. I. Gasyuk	Combined Effect of Thermal Annealing and Laser Irradiation on the Structure and Electrochemical Characteristics of Nano-dispersed TiO ₂
10:40 - 11:00	V. I. Marenkov	Electronic Properties of Nanostructured Heat-Resistant Metal
11:00 - 11:20	Y. V. Yavorskyi	Redistribution of Valence Electrons Due to Changes in Synthesis

		Conditions and Ion Charge State Influence on Electrochemical Properties of Lithium Power Sources
11:20 - 11:40	G. V. Macknovetse	Optical Properties of Layered Compounds $\text{TlGaSe}_2\text{-ZnSe}$
11:40 - 12:00		Conference closing
15:00		Bus transfer to Lviv

Important Deadlines

Important Deadlines

- registration and abstract submission: **23 July 2017**
- abstract acceptance: **30 July 2017**
- last minute registration: **25 September 2017**

For information about how to pay the fee follow [this link](#)

Leave this empty:

On-line Registration	
Deadlines		
Deadline for registration: 23 July 2017		
Notes about abstract submission		
<p>The abstract should be prepared using any common variant of TEX (e.g Latex). A template with the Latex file source is included here. All you need to do is just put the text of your abstract into the marked places in the template file. Figures should be submitted as separate files, preferably in Encapsulated PostScript (EPS) or TIFF formats (300 dpi). The text and figure files should be packed in one archive and compressed using a common utility such as PKZip or tar + gzip. This ONE archive should be submitted as your abstract file. If you do not plan to include any figures in your abstract, you do not need to pack or compress it, just use the TEX file as the abstract.</p>		
Base data		
Gender/Title	<input type="text" value="Mrs"/> <input type="text" value="Professor"/>	required
First name:	<input type="text"/>	required
Family name:	<input type="text"/>	required
Organisation name:	<input type="text"/>	required
Postal address:	<input type="text"/>	required
Zip/postal code:	<input type="text"/>	required
City:	<input type="text"/>	required
Country:	<input type="text" value="Choice"/>	required
Telephone number:	<input type="text"/>	required
Fax number:	<input type="text"/>	required
E-mail address:	<input type="text"/>	required
Arrival date:	<input type="text" value="September, 25th"/>	required
Departure date:	<input type="text" value="September, 29th"/>	required
Your presentation		
Type of presentation:	<input type="text" value="None"/>	required
If your presentation type is 'None', just leave this field empty.		
Title:	<input type="text"/>	required
If your presentation type is 'None' just leave this field empty. Otherwise, if you plan to use figures, they should be submitted as separate files, preferably in Encapsulated PostScript (EPS) or TIFF formats (300 dpi). The text and figure files should be packed in one archive and compressed using a common utility such as PKZip or tar + gzip. This ONE archive should be submitted as your abstract file. If you do not plan to include any figures in your abstract, you do not need to pack or compress it, just use the TEX file as the abstract.		
Include your abstract:	<input type="text" value="Wybierz plik"/> Nie wybrano pliku	required

Accompanying person details		
Title:	<input type="text"/>	
First name:	<input type="text"/>	
Family name:	<input type="text"/>	
Accompanying person two:	<input type="text"/>	
Accompanying person three:	<input type="text"/>	

Other	
Please, include important notes here.	<div><div></div></div>

Special dietary requirements	
	<div><div></div></div>

<p>When the register button is pressed, the data will be verified. We really check all the required fields. If these details are not completely accurate, we will not be able to register you! Please double-check your entries before sending the details.</p> <p>Before pressing the Register button please enter the code below here: <input type="text"/></p> <div><div>79165</div></div>	
<div><div>Register</div><div>Clear all</div></div>	

Fees and payment

Fees

- 250,- Euro - regular fee
- 200,- Euro - accompanying persons and students

The fee covers: local conference costs, conference materials, accommodation in Lviv and Yaremche, travel from Lviv to Yaremche (26 September) and from Yaremche to Lviv (29 September), conference trip, breakfasts, coffee breaks, lunches, dinners and gala dinner.

The fees are to be paid in cash at the conference desk. The payment will be duly certified.

Accommodation during the conference

24-26 September 2017:

University Hostel
Stets'ka Street 3
Lviv, Ukraine

GPS coordinates:

latitude (decimal degrees): 49.835635

longitude (decimal degrees): 24.033660

26-29 September 2017:

Recreation Center Karpaty
Petrasha Street 30
Yaremche 78500, Ukraine
<http://www.ok-karpatu.com/>

GPS coordinates:

latitude (decimal degrees): 48.433421

longitude (decimal degrees): 24.5381242

29-30 September 2017:

University Hostel
Stets'ka Street 3
Lviv, Ukraine

FNMA'16, 26-30 September 2016, Swornegacie, Poland
fnma16.gda.pl

FNMA'15, 6-10 September 2015, Zakynthos Island, Greece
fnma15.gda.pl

FNMA'14, 1-5 September 2014, Camerino, Italy
fnma14.gda.pl

FNMA'13, 8-12 September 2013, Poros Island, Greece
fnma13.gda.pl

FNMA'12, 23-27 September 2012, Aegina Island, Greece
fnma12.gda.pl

FNMA'11, 6-9 September 2011, Szczecin, Poland
fnma11.gda.pl

FNMA'10, 16-20 July 2010, Malta
fnma10.gda.pl

FNMA'09, 27-30 September 2009, Sulmona-L'Aquila, Italy
fnma09.gda.pl

FNMA'08, 1-6 September 2008, Lviv, Ukraine
fnma08.gda.pl

FNMA'07, 1-6 September 2007, Gdansk, Poland
fnma07.gda.pl