

The **FNMA'16** Conference will be held in Swornegacie (Poland) on **26-30 September 2016**.

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
 - Magnetic materials and diluted magnetic semiconductors
 - Catalytic and photocatalytic materials
 - Nano- and Micro-sized materials for electronics
 - Nanoparticle materials and nanolithography
 - Nanobiotechnology
 - Physics and technology of nanostructured semiconductors and superconductors
 - Metamaterials with special emphasis on Auxetic materials and models
 - Ab initio methods for nanospectroscopy
 - Organic, hybrid and composite materials
 - Micro/Nano Electro Mechanical Systems (MEMS/NEMS): technology and applications
 - Physics and technology of carbon nanotubes and carbon-based materials
 - Industrial applications of nanotechnology
 - Nanotechnology Health & Safety
 - Photovoltaics
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Organizers

The FNMA-2016 Conference is organized under the patronage of HM Prof. Jacek Namiesnik, Rector of the Gdansk University of Technology.

Main Organizers:



[Department of Solid State Physics, Gdansk University of Technology, Poland](#)



[The Gdansk Branch of the Polish Physical Society](#)



[Institute of Physics, Faculty of Mechanical Engineering and Mechatronic, West Pomeranian University of Technology, Szczecin, Poland](#)



[Department of Solid State Physics, Faculty of Physics, University of Athens, Greece](#)



[Institute of Molecular Physics, Poznan, Poland](#)



[University of Zielona Gora, Poland](#)



[PWSZ im. St. Wojciechowskiego, Kalisz, Poland](#)

In cooperation with:



[TASK - Academic Computer Centre in Gdansk, Poland](#)



[Poznan Supercomputing and Networking Centre, Poland](#)



[Intel Corporation](#)

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- Sz. Winczewski (Gdansk, Poland)
- K.W. Wojciechowski (Poznan, Poland)

Conference programme
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Monday, 26 September		
19:00 - 22:00		Welcome Party (U Marii)

Tuesday, 27 September		
8:00 - 9:00		Breakfast (U Marii)
9:15 - 12:15	N. Guskos and J. Rybicki	Session 0 (Dom Kultury)
9:15 - 9:30		Conference Opening
9:30 - 10:00		The History of the Kashubian Land
10:00 - 10:30		The History and the Specificity of the Kashubian Language
10:30 - 11:00		The History of Swornegacie Village
11:00 - 11:30		Coffee Break
11:30 - 12:15	G. Papadopoulos	A Brief Historical Evolution of Art, Science and Technology
13:00 - 14:30		Lunch (U Marii)
14:30 - 18:00	G. Papadopoulos	Open Session (Dom Kultury)
14:30 - 15:15	J. Rybicki	How Did the Ancient Egyptians Count?
15:15 - 16:00	A. Sikorski	Chopin in Poland
16:00 - 16:15		Break
16:15 - 18:00	A. Guskos, N. Guskos and J. Rybicki	Vernissage of the Exhibition "Shapes of nature"
19:00 - 20:00		Dinner (U Marii)

Wednesday, 28 September		
7:30 - 8:30		Breakfast (U Marii)
8:30 - 13:30		Excursion to The Open Air Museum of Wdzydze Kiszewskie
13:30 - 14:30		Lunch (U Marii)
14:30 - 16:30	A. Sikorski	Session 1 (Dom Kultury)
14:30 - 15:00	S. Mudry	Influence of Nanoparticles on Surface Properties of Low Melting Temperature Liquid Metals
15:00 - 15:30	E. Kusiak-Nejman	EPR Study of TiO ₂ Modified with Benzene Vapors at Different Temperatures
15:30 - 16:00	J. Typek	Magnetism of Compounds from Ni ₂ Fe _x In _{1-x} VO ₆ (x = 0, 0.1, 0.25, 0.5) Solid Solution
16:00 - 16:30	L. Najder-Kozdrowska	Characterization of EPR Signals from Fe ³⁺ Ions Embedded into Titanate Nanotubes
16:30 - 17:00		Coffee Break
17:00 - 18:30	J. Rybicki	Session 2 (Dom Kultury)
17:00 - 17:30	S. Winczewski	A New Method for Locating Dislocations in Numerically Simulated Materials
17:30 - 18:00	A. Pachla	Synthesis and Functionalization of Magnetic Nanoparticles Fe ₃ O ₄
18:00 - 18:30	A. Kuriata	Towards a Coarse-Grained Mucus Model
20:00 - 23:00		Gala dinner (U Marii)

Thursday, 29 September		
8:00 - 9:00		Breakfast (U Marii)

9:00 - 11:00	M. Dudek	Session 3 (Dom Kultury)
9:00 - 9:30	A. Sikorski	The Dynamics of Thin Polymer Films
9:30 - 10:00	I. Shtablavyi	Thermal Expansion of Liquid Indium-Bismuth Alloys: Free Volume Approach
10:00 - 10:30	S. Winczewski	Structural and Mechanical Properties of Pentagraphene: Preliminary Molecular Statics/Molecular Dynamics Studies
10:30 - 11:00	T. Lutsyshyn	Short-Range Order of Cu-Bi Metals Studied by RMC-Method
11:00 - 11:30		Coffee Break
11:30 - 13:00	S. Mudry	Session 4 (Dom Kultury)
11:30 - 12:00	W. Wolak	Silica-Water Interfacial pH Controlled by Remotely Heated Magnetic Nanoparticles
12:00 - 12:30	M. Dudek	Magnetic Suspension of Grains as Wastewater Treatment Filter
12:30 - 13:00	M. Marc	X-ray Diffraction Method for Analysis of Elastic Deformation of Titanate Nanotubes
13:00 - 14:30		Lunch (U Marii)
14:30 - 16:30	J. Typek	Open Session (Dom Kultury)
14:30 - 15:00	J. Rybicki	Geometry and Architecture in Ancient Egypt
15:00 - 15:30	A. Sikorski	The Nobility of Royal Prussia
15:30 - 16:00	A. Guskos	Iconophagos
16:00 - 16:30	N. Guskos, J. Rybicki and A. Guskos	Evolution of Semantic Fields of "Fisike" and "Techne"
18:00 - 19:00		A Performance of the Kashubian Children's Folk Band (Dom Kultury)
19:30 - 24:00		Barbeque (U Marii)

Friday, 30 September		
8:00 - 9:00		Breakfast (U Marii)
9:00 - 11:00	N. Guskos	Session 5 (Dom Kultury)
9:00 - 9:30	M. Pilarska	Magnetic Properties of $n\text{FeVO}_4/(1-n)\text{Co}_3\text{V}_2\text{O}_8$ Compounds
9:30 - 10:00	M. Bobrowska	Magnetic Study of $\text{Ni}_2\text{In}_{1-x}\text{Fe}_x\text{VO}_6$ Solid Solution
10:00 - 10:30	G. Kwiatkowski	Domain Wall Propagation in Ferromagnetic, Bistable Microwires
10:30 - 11:00	J. Dziedzic	Minimal-parameter Implicit Solvent Model for Large-scale DFT Calculations
11:00 - 11:30		Coffee Break
11:30 - 12:30		Round Table Discussion
12:30 - 12:40		Conference Closing
13:00		Lunch (U Marii)

Important Deadlines

Important Deadlines

- registration and abstract submission: **15 July 2016**
- early payment: **15 August 2016**
- last minute payment (expensive): **15 September 2016**

Please note that after August, 15th the admission fee increases by 250 PLN.

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

On-line Registration	
Deadlines		
Deadline for registration: 15 July 2016 Deadline for payment with reduced fee: 15 August 2016 More deadlines here		
Notes about abstract submission		
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.		
Base data		
Gender/Title	Mrs ▼ 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:	Choice ▼	required
Telephone number:	<input type="text"/>	required
Fax number:	<input type="text"/>	required
E-mail address:	<input type="text"/>	required
Arrival date:	September, 26th ▼	required
Departure date:	September, 30th ▼	required
Your presentation		
Type of presentation:	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:	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.	<input type="text"/>		

Special dietary requirements			
	<input type="text"/>		

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. Note: Our committee will examine your abstract. If it is accepted, your name should appear on the list of participants of the conference Web page.	
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<input type="button" value="register"/>	<input type="button" value="clear all"/>	
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Fees and payment

Fees

- Before August, 15th:
 - 1000,- PLN - regular fee
 - 750,- PLN - student fee
- After August, 15th:
 - 1250,- PLN - regular fee
 - 1000,- PLN - student fee

The fee covers: local conference costs, conference materials, accommodation, breakfasts, coffee breaks, lunches and dinners.

Method of payment

Payments in Euros (Euro) and Polish Zlotys (PLN) are accepted.

Payment has to be done by bank transfer to:

Bank name:	Citi Handlowy
BIC	CITIPLPX
IBAN	PL27 1030 0019 0109 8533 0003 8485
Purpose	FNMA16

Name and address of organizers

Polskie Towarzystwo Fizyczne
ul. Hoza 69
00-681 Warszawa
Poland

IMPORTANT:

Please send a copy of the bank confirmation of your conference fee payment to:

prof. Jaroslaw Rybicki
e-mail: ryba@pg.gda.pl

Accommodation during the conference	
All participants will be accommodated in a nearby hotels. More details will be provided after 15 August 2016.	

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