



THE GERMAN-UKRAINIAN FORUM OF YOUNG RESEARCHERS



Location: Svobody Square, 4, the main building of the University, 4th floor,
Conference hall of the Academic Council of the University

11 December 2017

8.30-9.00	Registration
9.00-9.10	Welcome speech:
	- Vice President for Research; Doctor of Sciences; Full Professor <u>Victor Katrich</u>
	- DAAD Lector <u>Vera Tersteegen</u> „DAAD programs”
9.10-9.25	- Prof., Dr.-Ing. <u>Birgit Glasmacher</u> Leibniz Universität Hannover (LUH), Germany „Advances in biomedical engineering: own and cooperation highlights”
9.25-9.40	- Prof., Dr. <u>Oleg Avrunin</u> Kharkiv National University of Radioelectronics, Kharkiv „Advances in biomedical engineering: own and cooperation highlights”
9.40-9.50	- Ph. D. student <u>Efi Hadjixenophontos</u> University of Stuttgart, Germany „Diffusion processes in materials for hydrogen and electrochemical energy storage”
9.50-10.00	- Ph. D. <u>Anna Manzoni</u> Helmholtz Zentrum für Materialien und Energie, Berlin „Optimizing the microstructure in the $Al_{10}Co_{25}Cr_8Fe_{15}Ni_{36}Ti_6$ high entropy alloy”
Reports of young scientists of the V. N. Karazin Kharkiv National University:	
10.00-10.20	- Dr. <u>Oleksandr Butrym</u> V.N. Karazin Kharkiv National University “Nanoparticles and Biomedicine Devices”



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10.20-10.40	- Dr. <u>Valeriya Trusova</u> V.N. Karazin Kharkiv National University „Biomedicine: Medical physics, medical materials science, biomedical electronics, medical devices”
10.40-10.55	- Ph. D. <u>Dmytro Rokhmistrov</u> V.N. Karazin Kharkiv National University „Studies in Condensed-Matter Physics”
10.55-11.25	Coffee break
11.25-11.40	- Ph. D. <u>Vadym Kaydash</u> „ Institute of Astronomy, V.N. Karazin Kharkiv National University : current state of research”
11.40-11.43	- Dr. <u>Oleksandr Gryshkov</u> Institute for Multiphase Processes (IMP), Gottfried Wilhelm Leibniz Universität Hannover, Germany „Somewhat different PostDoc: research and cooperation”
11.43-11.46	- Ph. D. <u>Galyna Strilchuk</u> Institute of High Technologies, Kyiv „Theoretical calculation of optical properties of nanocomposite structured films”
11.46-11.49	- Ph. D. <u>Maksym Tsizh</u> I.Franko Lviv National University „Network analysis of cosmic web”
11.49-11.52	- Ph. D. <u>Nataliia Andriushyna</u> National Academy of Sciences of Ukraine, Department of Photochemistry, Kyiv „Photocatalytic activity high-crystalline carbon nitride for hydrogen evolution under visible light”
11.55-11.58	- Ph. D. <u>Igor Bychko</u> Pisarzhevsky Institute of Physical Chemistry, National Academy of Sciences of Ukraine, Kyiv „Catalytic properties of carbon nanomaterials in hydrogenation reactions of organic compounds”
11.58-12.00	- Ph. D. <u>Galyna Lavrova</u> Kharkiv Institute of Physics and Technology. Kharkiv „The effect of phason defects on the radiation-induced swelling of quasicrystals”



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<p>12.00-12.15</p>	<p>B.Verkin Institute for Low Temperature Physics and Engineering, NAS of Ukraine, Kharkiv</p> <p>- Ph. D. <u>Maria Khlistyuck</u> „Quantum and dimensional effects in the thermal expansion and gas sorption properties of nanostructures”</p> <p>- Ph. D. <u>Maxim Karachevtsev</u> „Biomolecules interfaced with carbon nanotubes and graphene: Molecular Dynamics and DFT study”</p>
<p>12.15-12.30</p>	<p>Institute for Scintillation Materials, SSI "Institute for Single Crystals" of NAS of Ukraine, Kharkiv</p> <p>- Ph. D. <u>Alexander Sorokin</u> „Luminescent Organic Nanomaterials”</p> <p>- Ph. D. <u>Ilias Shcherbakov</u> „Sorbents for selective removal of radionuclides and rare earths elements from aqueous solutions”</p>
<p>12.30-12.37</p>	<p>Kharkiv National University of Radioelectronics, Kharkiv</p> <p>- Dr. <u>Kateryna Muzyka</u> Kharkiv National University of Radioelectronics, Kharkiv „New functional materials and platforms for electrochemical and optical theranostics applications”</p>
<p>12.37-12.41</p>	<p>- Ph. D. <u>Vadym Kruts</u> National Academy of Sciences of Ukraine, Kyiv „Strength and vibrational reliability of gas turbine engine blades”</p>
<p>12.41-12.45</p>	<p>- Ph. D. <u>Oleksandra Lazarenko</u> Taras Shevchenko National University, Kyiv „Microwave properties of polymer composites with multicomponent filler”</p>
<p>12.45-12.49</p>	<p>- Ph. D. <u>Maria Tkachenko</u> Odesa National Maritime University, Odesa „Phenomenological modeling of eclipsing binary stars”</p>



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12.49-12.55	- Ph. D. <u>Igor Vladymyrskyi</u> NTUU “Igor Sikorsky Kyiv Polytechnic Institute” , Kyiv “Cold” homogenization and ordering of Pt/Fe thin films with additional Au layer”
12.55-13.10	- <u>Nataliya Butych</u> Leibniz Universität Hannover, Germany „Funding opportunities & tips and establishing international research collaboration”
	The National Technical University "Kharkiv Polytechnic Institute", Kharkiv
14:00 – 15:00	- Lunch
15:00 – 17:30	- Visit to the laboratories of the V. N. Karazin Kharkiv National University
	- Visit to the B.Verkin Institute for Low Temperature Physics and Engineering
	- Visit to the Institute for Scintillation Materials, SSI "Institute for Single Crystals"
17:30	- Friendly dinner