



THE GERMAN-UKRAINIAN FORUM OF YOUNG RESEARCHERS

Kharkiv, 11 December 2017

Contact: info@ukrainet.eu; germany@karazin.ua



Organized in cooperation with The German-Ukrainian Academic Center of the Kharkiv National University named after V.N. Karazin (<http://germany.univer.kharkov.ua/en/index.html>)

8.30-9.00	Registration
9.00-9.10	Welcome remarks: Prof. Dr. Victor Katrich, Vice President for Research Vera Tersteegen - DAAD Lecturer in Kharkiv
9.10-9.40	Prof. Dr.-Ing. Birgit Glasmacher, Leibniz Universität Hannover (LUH), Germany , and Prof. Dr. Oleg Avrunin, Kharkiv National University of Radioelectronics, Kharkiv , "Advances in biomedical engineering: cooperation highlights"
9.40-9.50	Efi Hadjixenophontos University of Stuttgart, Germany , "Diffusion processes in materials for hydrogen and electrochemical energy storage"
9.50-10.00	Anna Manzoni, 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"
Presentations of young scientists of the V. N. Karazin Kharkiv National University and Forum participants:	
10.00-10.20	Dr. Oleksandr Butrym, V.N. Karazin Kharkiv National University , "Nanoparticles and Biomedicine Devices"

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10.20-10.40	Dr. Valeriya Trusova, V.N. Karazin Kharkiv National University , “Biomedicine: Medical physics, medical materials science, biomedical electronics, medical devices”
10.40-10.55	Dmytro Rokhmistrov, V.N. Karazin Kharkiv National University , “Studies in Condensed-Matter Physics”
10.55-11.25	Coffee break
11.25-11.40	Vadym Kaydash, Institute of Astronomy, V.N. Karazin Kharkiv National University , “Current state of research”
11.40-11.43	Dr. Oleksandr Gryshkov, Institute for Multiphase Processes (IMP), Leibniz Universität Hannover, Germany , “Somewhat different PostDoc: research and cooperation”
11.43-11.46	Dr. Galyna Strilchuk, Institute of High Technologies, Kyiv , “Theoretical calculation of optical properties of nanocomposite structured films”
11.46-11.49	Dr. Maksym Tsizh, I.Franko Lviv National University , “Network analysis of cosmic web”
11.49-11.52	Dr. Nataliia Andriushyna, 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	Dr. Ihor Bychko, 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	Galyna Lavrova, Kharkiv Institute of Physics and Technology, Kharkiv , “The effect of phason defects on the radiation-induced swelling of quasicrystals”

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



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12.49-12.55	Dr. Igor Vladymyrskyi, NTUU "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv , "Cold homogenization and ordering of Pt/Fe thin films with additional Au layer"
12.55-13.10	Nataliya Butych Leibniz Universität Hannover, Germany , "Funding opportunities & tips on establishing international research collaboration"
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	Networking dinner