



NanoEnvicZ USER MEETING

23rd April 2025

J. Heyrovský Institute of Physical Chemistry of the CAS
Dolejšková 2155/3, Prague

PROGRAM

9.30 - 10.00 Registration of participants

MORNING SESSION: Introduction of the LRI NanoEnvicZ

10.00 - 10.10	Martin Kalbáč (HIPC): <i>NanoEnvicZ Introduction</i>
10.10 - 10.30	Martin Kormunda (UJEP): <i>WP3 - Multifunctional Materials for Environmental Protection and their Characterization Using XPS</i>
10.30 - 10.50	Petr Sazama (HIPC): <i>WP4 - Heterogeneous Catalysis for Environmental Protection</i>
10.50 - 11.10	Petr Jakubec (UPOL): <i>WP5 - Nanotechnology for a Sustainable Future: Renewable Energy, Environmental Remediation, and Smart Materials</i>
11.10 - 11.30	COFFEE BREAK
11.30 - 11.50	Ladislav Kavan (HIPC): <i>WP6 - Work Function and Ambient-Pressure Photoemission Spectroscopy</i>
11.50 - 12.10	Petra Ecorchard (IIC): <i>WP7 - Nanotechnology for Trapping and Chemical Degradation of Pollutants</i>
12.10 - 12.30	Masoud Khaleghiabbasabadi (TUL): <i>WP8 - Advancements in Pollution Monitoring Sensors: Graphene Materials and their Potential</i>
12.30 - 12.50	Táňa Závodná (IEM): <i>WP9 - Ensuring Safe Applications of Nanomaterials: The Role of Toxicity Testing in Research and Innovation</i>

12.50 – 13.50 LUNCH – POSTER SESSION

13.40 GROUP PHOTO OF PARTICIPANTS



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AFTERNOON SESSION: Presentation of Users of LRI NanoEnvicz Services

13.50 - 14.10	Petr Mikysek (Institute of Geology of the CAS): <i>Uranium Mineralization in the North Bohemian Cretaceous: Insights into Critical Element Distribution</i>
14.10 - 14.30	Jaroslav Lukeš (CTU, Faculty of Mechanical Engineering): <i>Measuring Micro-Scale Mechanical Properties at Different Environmental Conditions by Means of Nanoindentation</i>
14.30 - 14.50	Sergey Sayenko (ÚJV Řež, a.s.): <i>R&D of Magnesium-Potassium Phosphate (MPP) Matrices for Reliable Immobilization of Sm and Nd as a Preferred Non-Radioactive Surrogate for Minor Actinides Am and Cm, and Re as a Surrogate of Tc.</i>
14.50 - 15.10	COFFEE BREAK
15.10 - 15.30	Pavla Honcová (University of Pardubice, Faculty of Chemical Technology): <i>Structure-Driven Thermal Stability of Carbon Materials for Energy Storage</i>
15.30 - 15.50	Alena Michalcová (UCT Prague, Department of Metals and Corrosion Engineering): <i>Characterization of Intermetallic FeSi/NiAl Samples</i>
15.50 - 16.10	Johana Kulháňková (Nanopharma, a.s.): <i>When Beauty Meets Science</i>
16.10 - 16.30	Monika Müllerová (Institute of Chemical Process Fundamentals of the CAS): <i>Correlating Aggregation Behavior of Glycodendrimer Ligands with their Affinity to Galectins: a DLS Study</i>
16.30 - 16.50	David Vrbata (Institute of Microbiology of the CAS): <i>Polyoxazoline Based Nanotherapeutics</i>

16:50 – 18.00 POSTER SESSION

MORE INFORMATION: www.nanoenvicz.cz

REGISTRATION: nanoenvicz@jh-inst.cas.cz

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