



NanoEnviCz USER MEETING

23rd April 2025

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

PROGRAM

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	Stanislava Vrchovecká (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



Co-funded by
the European Union



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	Karel Havlíček (Nanoprogress, z.s.): <i>Application of Respirometry for Evaluating Biodegradation of Polymeric Nanofibrous Materials</i>
16.10 - 16.30	Johana Kulhánková (Nanopharma, a.s.): <i>When Beauty Meets Science</i>
16.30 - 16.50	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>
16.50 - 17.10	David Vrbata (Institute of Microbiology of the CAS): <i>Polyoxazoline Based Nanotherapeutics</i>

17:10 – 18.00 POSTER SESSION

MORE INFORMATION: www.nanoenvicz.cz

REGISTRATION: nanoenvicz@jh-inst.cas.cz

Partners:



TECHNICAL
UNIVERSITY
OF LIBEREC



Palacký University
Olomouc

