



NanoOstrava 2023

Energy & Environment

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA

CENTRE FOR ENERGY
AND ENVIRONMENTAL
TECHNOLOGIES

NANOTECHNOLOGY
CENTRE

www.nanoostrava.cz

Event at DOV, Ostrava, Czech Republic

May 15-18, 2023

Hybrid conference

Invited lecturers

Anisotropic charge distribution on halogen atom, σ -hole, really exists: atomic force microscopy and high-level quantum chemical calculations



Pavel Hobza

Institute of Organic Chemistry and Biochemistry of the CAS, Prague Czech Republic; Palacky University in Olomouc, Olomouc, Czech Republic.

Autonomous Micro & Nanorobots for Biomedical and Environmental Remediation Applications



Martin Pumera

University of Chemistry and Technology, Prague, Czech Republic; CEITEC, Brno, Czech Republic

Impact of Nanomaterials on Environment



Jana Kukutschová

VSB-Technical University of Ostrava, Czech Republic

Nanocarbons in Energy Storage



Mark H. Rummeli

Soochow University, China; IFW Dresden, Germany; Polish Academy of Sciences, Poland

Nanocatalysis for sustainable and advance chemical synthesis



Jagadeesh Rajenahally

Leibniz Institute for Catalysis, Rostock, Germany

Nanostructure stability under catalytic reactions: challenges and perspectives



Paolo Fornasiero

University of Trieste | UNITS, Italy

Silicon nanowires for solar energy harvesting and storage



Martin Foldyna

LPICM, Ecole Polytechnique, Palaiseau, France

Topic 01

Materials and Technology for Energy and Transportation

Topic 02

Materials and Technology for Environment, Healthcare and Safety

Topic 03

Advanced Materials Characterization

Conference papers



Batteries IF 5.398



Nanomaterials IF 5.719



Life IF 3.253

Important dates

March 31
2023

Early-bird registration and the conference fee payment

April 23
2023

Last date for submission of abstracts

May 5
2023

Last day for registration payment

Organizers



NANOTECHNOLOGY
CENTRE



General partner



Sponsors



Main scientific partner



Event at Dolní Vítkovice, Ostrava



Conference contacts

Conference Chairman
prof. Ing. Daniela Plachá, Ph.D.
daniela.placha@vsb.cz

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**We are looking forward to meeting you
in Ostrava, May 2023.**