



# NanoOstrava 2023

Energy & Environment

May 15-18, 2023

VSB TECHNICAL  
UNIVERSITY  
OF OSTRAVA

CENTRE FOR ENERGY  
AND ENVIRONMENTAL  
TECHNOLOGIES

NANOTECHNOLOGY  
CENTRE

[www.nanoostrava.cz](http://www.nanoostrava.cz)

Hybrid conference

Event at DOV, Ostrava,  
Czech Republic

## Conference topics

### Materials and Technology for Energy and Transportation

Chairman: **Gražyna Simha Martynková**

- Smart sustainable material
- Batteries
- Photovoltaics
- Additive technology
- Nano in automotive

### Materials and Technology for Environment, Healthcare and Safety

Chairman: **Radek Zbořil**

- Catalysis, photocatalysis and adsorption processes
- Filters and membranes
- Anti-biofouling and antimicrobial surfaces
- Green chemistry approaches
- Nanomaterials in healthcare
- NanoSafety

### Advanced Materials Characterization

Chairman: **Jan Neuman**

- Advanced testing
- Nanomaterials detection
- Surface properties
- Structure characterization
- Morphology and topography

## Invited lecturers



Nanocarbons in Energy Storage

**Mark H. Rummeli**

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

Impact of Nanomaterials on Environment

**Jana Kukutschová**

VSB-Technical University of Ostrava, Czech Republic



Nanostructure stability under catalytic reactions:  
challenges and perspectives

**Paolo Fornasiero**

University of Trieste | UNITS, Italy

Nanocatalysis for sustainable and advance  
chemical synthesis

**Jagadeesh Rajenahally**

Leibniz Institute for Catalysis, Rostock, Germany



Silicon nanowires for solar energy harvesting  
and storage

**Martin Foldyna**

LPICM, Ecole Polytechnique, Palaiseau, France

## 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

## Conference papers

Special issues in MDPI:



**Batteries** IF 5.398



**Nanomaterials** IF 5.719



**Life** IF 3.253

## Organizers



NANOTECHNOLOGY  
CENTRE



Czech  
National  
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## General partner



## Sponsors



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Solutions for Innovation



NICOLET CZ  
MOLECULAR SPECTROSCOPY

## Main scientific partner



NenoVision



Anton Paar

SpeciON I  
LABORATORNÍ A ZKUŠEBNÍ  
TECHNIKA



Rigaku

Leading With Innovation



TESCAN

PERFORMANCE IN NANOSPACE



PHOTOCAT



ANALYTICAL & MEASURING & TESTING



megabooks



## Event at Dolní Oblast Vítkovice, Ostrava



## Conference contacts

### Conference Chairman

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### Contact for partners and sponsors

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