



NanoOstrava 2023

Energy & Environment

May 15–18, 2023

VSB TECHNICAL
UNIVERSITY
OF OSTRAVA

CENTRE FOR ENERGY
AND ENVIRONMENTAL
TECHNOLOGIES

NANOTECHNOLOGY
CENTRE

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Conference topics

Materials and Technology for Energy and Transportation

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

Materials and Technology for Environment and Safety

- Safety in nano,
- Filters and membranes,
- Materials safety,
- Catalysis and photocatalysis,
- Green approaches.

Advanced Materials Characterization

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

Invited lecturers



Nanocarbons in Energy Storage

Mark H. Rummeli

Professor Rummeli is a chartered scientist with a research background in nanotechnology, solid state condensed matter and plasma physics, research in topics: Carbon nanotube & Graphene.



Impact of Nanomaterials on Environment

Jana Kukutschová

Professor at VSB-Technical University of Ostrava in the field of materials science and engineering. She deals with environmental and health aspects of nanomaterials and chemical metallurgy.



Nanostructure stability under catalytic reactions: challenges and perspectives

Paolo Fornasiero

Professor at University of Trieste in material chemistry, research in design and development of multi-functional metal-oxide nanosystems for applications in energy related materials and environmental heterogeneous catalysis.



Nanocatalysis for sustainable and advance chemical synthesis

Jagadeesh Rajenahally

Professor at Leibniz Institute for Catalysis deals with the development of catalysts for chemical processes to synthesize fine and bulk chemicals and life science molecules .

Hybrid conference

(combine in-person and virtual)

Event at DOV, Ostrava, Czech Republic

- Sightseeing and Accommodation at special industrial historical locality
- Opening ceremony at Rothschild Chateau
- Conference dinner at Gong
- Awards for "The best students poster"

Organizers

VSB TUO

CEET

NANOTECHNOLOGY
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Czech
National
Clay Group



General partner



Sponsors



Main scientific partner



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.**