

# NanoOstrava 2023

**VSB** TECHNICAL

CENTRE FOR ENERGY AND ENVIRONMENTAL NANOTECHNOLOGY CENTRE

**Energy & Environment** 

May 15-18, 2023

#### www.nanoostrava.cz

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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. Rümmeli

Professor Rümmeli 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 Ш

NANOTECHNOLOGY CENTRE







**General partner** 

## **Sponsors**















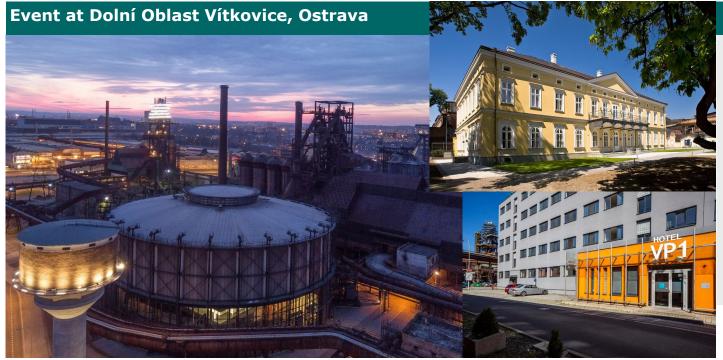












#### **Conference contacts**

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