

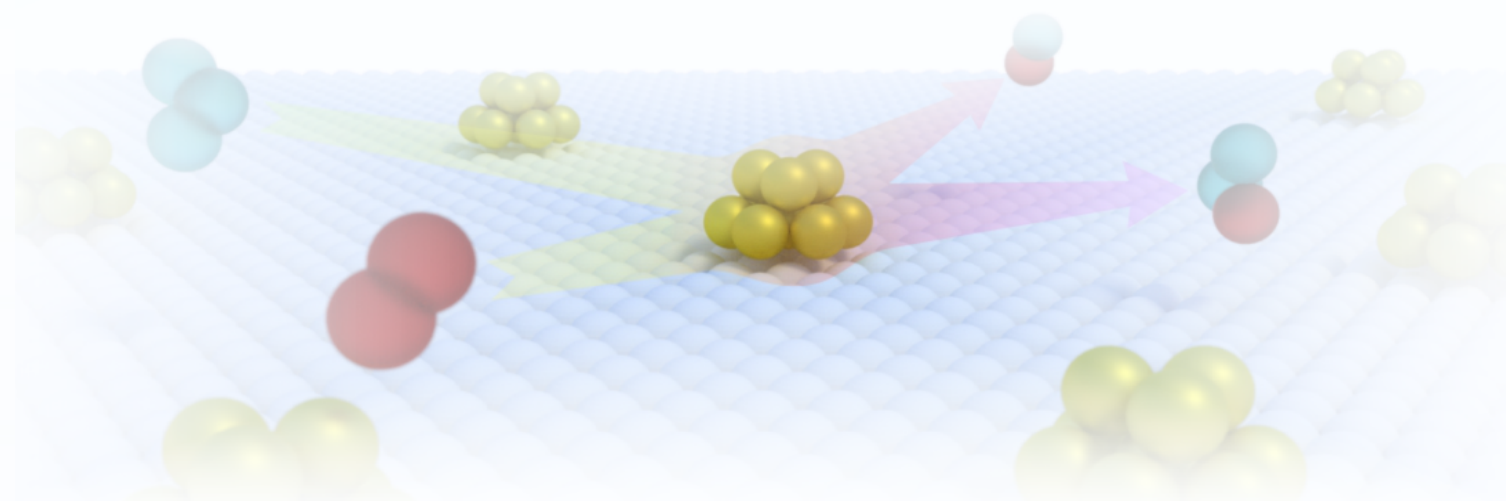


11th April 2019

NANOCATALYSIS DAY

J. Heyrovský Institute of Physical Chemistry

- 13:30 **Introduction**
Martin Hof, Štefan Vajda
- 14:00 **Redox catalysis over metallozeolites. Real catalysts on an atomic level**
Jiří Dědeček, Edyta Tabor
- 14:50 *coffee break*
- 15:10 **Catalytic properties of alloyed metal (ultra)nano structures**
Alessandro Fortunelli
- 16:00 **Catalysis by size-selected clusters**
Štefan Vajda
- 16:50 *refreshments*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 810310

ERA Chair project at J. Heyrovský Institute
of Physical Chemistry of the CAS, v.v.i

11th April 2019

NANOCATALYSIS DAY

J. Heyrovský Institute of Physical Chemistry

13:30 **Introduction**
Martin Hof, Štefan Vajda

Project ERA Chair: Areas for improvement



1972	Institute established, catalysis integral part
1990	Department of Catalysis (B. Wichterlová) established
2006	Department of Structure and Dynamics in Catalysis established

Mission

Structure and design of

Catalytic centers on a sub-nanometer (atomic) scale
implanted in crystalline matrices

Nanostructured oxidic materials

Application in redox, acid-base and photo- catalysis (up to realization)

Redox catalysis over metallozeolites. Real catalysts
on an atomic level

Jiří Dědeček, Edyta Tabor

J. Heyrovský Institute of Physical Chemistry of the CAS

Prague, Czech Republic

11th April 2019

NANOCATALYSIS DAY

J. Heyrovský Institute of Physical Chemistry

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ERA Nanocatalysis day
Prague, 11th April 2019

**Catalytic Properties of Alloyed Metal
(Ultra)NanoStructures**

Alessandro Fortunelli
CNR-ICCOM, Pisa, Italy



CNR-ICCOM, Pisa, Italy

11th April 2019













NANOCATALYSIS DAY

J. Heyrovský Institute of Physical Chemistry

15:10 **Catalytic properties of alloyed metal (ultra)nano structures**
Alessandro Fortunelli



Departments

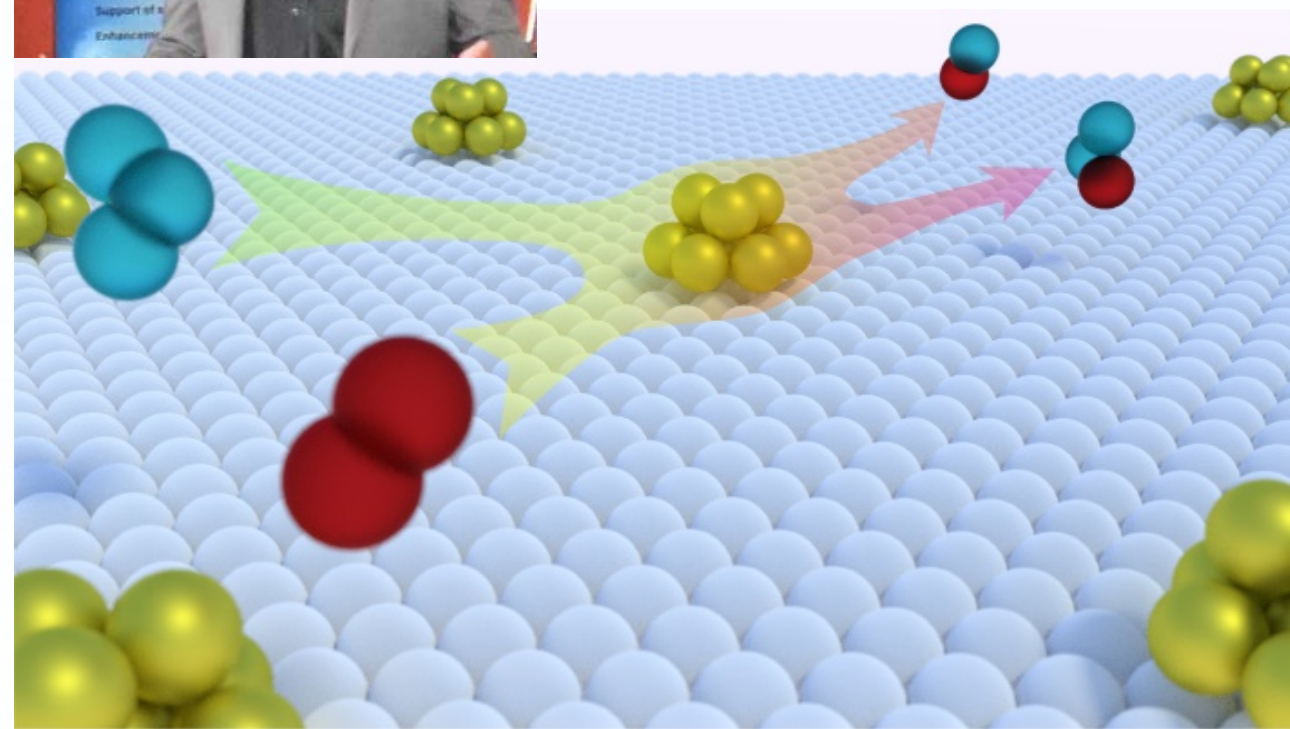
 Theoretical Chemistry	 Spectroscopy	 Biophysical Chemistry
 Structure and Dynamics in Catalysis	 Molecular Electrochemistry and Catalysis	 Electrochemical Materials
 Electrochemistry at the Nanoscale	 Chemistry of Ions in Gaseous Phase	 Low-dimensional Systems
 Dynamics of Molecules and Clusters	 Computational Chemistry	 Nanocatalysis



11th April 2019

NANOCATALYSIS DAY

J. Heyrovský Institute of Physical Chemistry

16:00 **Catalysis by size-selected clusters**
Štefan Vajda




 

Catalysis by Size-Selected Clusters

Štefan Vajda

J. Heyrovský Institute of Physical Chemistry
Department of Nanocatalysis

Nanocatalysis Day
J. Heyrovský Institute of Physical Chemistry
Academy of Sciences of the Czech Republic
Prague, Czech Republic
April 11, 2019

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J. HEYROVSKY CHAIR



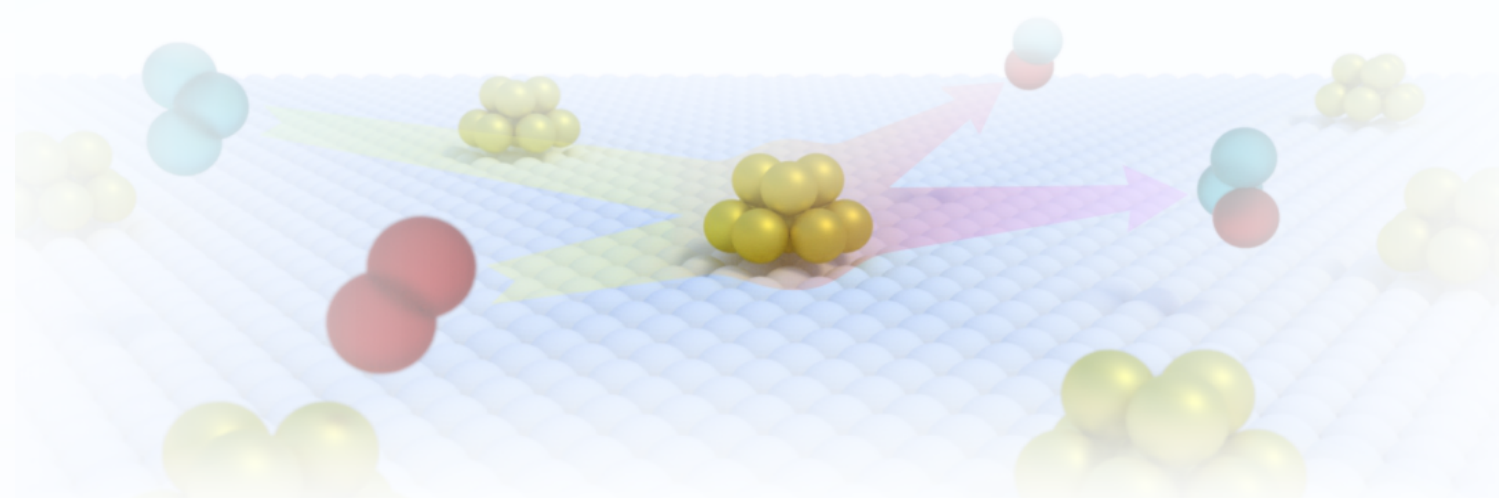
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ERA Nanocatalysis day Prague, 11th April 2019

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Nanocatalysis Day
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NANOCATALYSIS DAY

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J. Heyrovský Institute of Physical Chemistry



From left to right:

Alessandro Fortunelli
Jan Hrušák
Martin Hof
Juraj Jašík
Štefan Vajda
Jiří Dědeček
Naděžda Žilková
Natalia Pižemová