JSI meeting

on the synthesis, characterization and catalysts applications

25. 5. 2023

Velika Predavalnica

9^{00} - 16^{30}

SCOPE: to synchronize activities at JSI towards large European or/and national research project

Synthesis and characterization of catalysts

Catalyst in the working environment for various applications

Invited lectures:

Synthesis of Ti, O-based nanostructures for catalytic applications	Polona Umek, F5
Deposition of HEA thin films with PVD methods	Aljaž Drnovšek, F3
Modeling physicochemical processes at surfaces relevant to heterogeneous catalysis	Anton Kokalj, K3
Spectroscopic recognition of structural defects and their impact on metal-oxide nanocatalysts	Vasyl Shvalya, F6
The use of HPLC-MS for the identification of by-products generated during the catalytic oxidation of organic compounds	Dušan Žigon, O2
Advanced transmission electron microscopy for the study of catalysts	Sorour Semsari Parapari, K7
SrTiO3/Bi4Ti3O12 nanoplatelets as effective photocatalysts for hydrogen evolution	Marjeta Maček Kržmanc, K9
Photocatalytic degradation of textile fiber-based microplastics	Matejka Podlogar, K7
Electrification of chemical conversion reactions by magnetic heating of catalysts	Sašo Gyergyek, K8
Low-cost nanocatalysts for green hydrogen generation through electrochemical water-splitting	Suraj Gupta, K9
Synthesis and application of innovative HEO-HEA hybrid catalyst	Belisa Alcantara Marinho, Barbara Ljubec Božiček, K7
Atomic force microscopy for the characterization of catalyst materials	Hana Uršič, K5

Innovating Together: Drafting Future EU Research Projects on Catalysts at JSI

Špela Stres, Levin Pal and Tomaž Lutman

Welcome!

Jožef Stefan Institute, Ljubljana, Slovenia

Belisa Alcantara Marinho, Matejka Podlogar, Sašo Šturm - K7

Free event registration
and additional information:
nano.ijs.si