KEMIJSKI INŠTITUT

Vabilo na Preglov kolokvij / Invitation to the Pregl colloquium


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## Četrtek / Thursday 20. 1. 2022, ob / at 13:00

NA DALJAVO / ONLINE WEBEX
Povezava/link:
https://ki-ljubljana.webex.com/ki-ljubljana/j.php?MTID=m494bc7d435cf2d810ef659f6ac6c95f2
Meeting number: 2734 479 5744
Password: KI2022

# Nano-imaging chemical properties of materials


Solid catalytic materials are essential in modern chemical industry enabling the energy-efficient and selective generation of base and fine chemicals. Typical research employs bulk-scale techniques to measure catalyst properties and performance as an average value. Such an approach overlooks the variability in materials properties and their impact on the performance. Using optical microscopy, we aim at uncovering the impact of structure and function on the catalytic performance and this at the nanoscale and with single turnover sensitivity.

Besides solid catalysts, other advanced functional materials used for example in solar technology and opto-electronic devices show similar variability. Recently, we also started applying our technique…. In this presentation I will demonstrate the power of optical microscopy approaches to study catalytic and opto-electronic materials.


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Vljudno vabljeni / Kindly invited