

CatLab Lectures Winter Semester 2022-2023

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| 21.10.2022 | Bernd Rech , HZB Thin film technology meets catalysis: Focus on Thin film Growth and Properties |
| 28.10.2022 | Christian Walsdorff , BASF Facing the Climate Challenge - Tasks and Opportunities for Industrial Oxidation Catalysis |
| 11.11.2022 | Alexander Schnegg , MPI Chemische Energiekonversion, Mülheim EPR spectroscopy |
| 18.11.2022 | Felix Gunkel , FZ Jülich Oxide epitaxy via pulsed laser deposition for atomically-defined oxygen evolution catalysts - an opportunity for model systems and beyond |
| 25.11.2022 | Olaf Deutschmann , KIT, Karlsruhe Kinetic analysis and digital catalysis |
| 02.12.2022 | Matthias Drieß , TU Berlin Functional thin films and electrocatalysts by a soft molecular precursor approach |
| 09.12.2022 | Karsten Reuter , FHI, Berlin Multi-Scale Modeling of Heterogeneous Catalysis |
| 16.12.2022 | Marc Heggen , FZ Jülich In-situ transmission electron microscopy in heterogeneous catalysis |
| 06.01.2023 | Bernd Smarsly , Univ. Giessen Synthesis of nanostructured films by templating approaches |
| 13.01.2023 | Christof Wöll , KIT, Karlsruhe Bridging the materials and pressure gaps in oxide surface chemistry using IR spectroscopy: From model systems in ultra-high vacuum to in-operando studies at technologically relevant pressures |
| 20.01.2023 | Olaf Magnussen , Univ. Kiel X-ray scattering methods for operando studies of catalysts |
| 27.01.2023 | Joachim Schnadt , Lund University Synchrotron-based x-ray spectroscopy methods and experiments for in situ and operando investigations |
| 03.02.2023 | Jörg Libuda , Univ. Erlangen (Electro)catalytic model systems |
| 10.02.2023 | Marc Armbrüster , Univ. Chemnitz Acetylene semi-hydrogenation on intermetallic compounds |
| 17.02.2023 | Christophe Coperét , ETH, Zürich Solid-state NMR spectroscopy: Chemical shift and other parameters as structural and reactivity descriptors |

