

CatLab Lectures Program 2023/24

Hosted by FHI and HZB

Every Friday in the winter semester from 10:30 to 12:00 at BESSY II entrance seminar room

20.10.23 **Rutger Schlatmann**

Helmholtz-Zentrum Berlin für Materialien und Energie, University of Applied Sciences Berlin

[Tailoring thin films for catalysis: Thin film growth methods and properties](#)

27.10.23 **Franziska Hess**

Technical University Berlin

[Modelling catalyst degradation through experiment and computation](#)

03.11.23 **Helmut Kühlenbeck**

Fritz Haber Institute

[Model systems in catalysis research](#)

10.11.23 **Thomas Risse**

Freie Universität Berlin

!! CHANGED VENUE: "Kino Saal ", Magnusstr. 2, 12489 Berlin

[Microwave absorption: Operando EPR and MCPT as tools to characterize heterogeneous gas phase catalysts](#)

17.11.23 **Thomas Lunkenbein**

Fritz Haber Institute

[Operando electron microscopy](#)

24.11.23 **Serhiy Cherevko**

Helmholtz Institute Erlangen-Nürnberg

[Applications of ICP-MS in electrocatalysis research](#)

01.12.23 **Olga Kasian**

Helmholtz-Zentrum Berlin für Materialien und Energie, Friedrich Alexander University Erlangen-Nürnberg

[Thin film electrocatalysts for long term energy conversion and storage](#)

08.12.23 **Renske M. van der Veen**

Helmholtz-Zentrum Berlin für Materialien und Energie, Technical University Berlin, University of Illinois at Urbana-Champaign

[Fast electrons and hard X-rays for unravelling atomic-scale dynamics in homogeneous and heterogeneous catalysis](#)

15.12.23 **Silvia Bordiga**

University Turin

[Understanding surfaces through the use of probe molecules and in situ spectroscopies](#)

12.01.24 **Regina Palkovits**

RWTH Aachen, Max Planck Institute for Chemical Energy Conversion Mülheim an der Ruhr

[Heterogeneous catalysis as enabler of circular economy](#)

19.01.24 **Emil Hensen**

Eindhoven University of Technology

[Catalysis at interfaces: Atom-efficient metal catalysts based on single atoms, clusters, and nanoparticles](#)

26.01.24 **Michael Claeys**

University of Cape Town

[Magnetic characterisation of catalysts for energy applications](#)

02.02.24 **Christopher Kley**

Fritz Haber Institute, Helmholtz-Zentrum Berlin für Materialien und Energie

[Uncovering electrocatalysts and electrochemical interfaces in situ at the nanoscale](#)

09.02.24 **Kasia Skoropaska**

Fritz Haber Institute

[Characterisation of the catalyst](#)

16.02.24 **Gregor D. Wehinger**

Clausthal University of Technology, Karlsruhe Institute of Technology

[Multiscale studies and engineering of surface-reactive systems](#)

23.02.24 **Roel van de Krol**

Helmholtz-Zentrum Berlin für Materialien und Energie, Technical University Berlin

[Recent insights on the generation, transport, and separation of charge carriers in metal oxide photocatalysts](#)