

CRC 1452: CLINT

Interdisciplinary Graduate Course

Catalysis at Liquid Interfaces

Wednesdays, 20th October – 9th February

Virtually in Zoom

zoom-link available on Studon or
write to simone.gehrer@fau.de

Register via Studon

[Resources>Research institutions>CRC 1452](#)

FUNDAMENTAL CONCEPTS OF CATALYSIS

20.10.2021 16:00 - virtual	Prof. Dr. Peter Wasserscheid Basic principles of catalysis
03.11.2021 16:00	Prof. Dr. Matthias Thommes Fundamentals of adsorption and phase behaviour of fluids in nanoporous materials
10.11.2021 16:00 – hybrid	Prof. Dr. Karsten Meyer Synthesis and characterisation of ionic liquids
17.11.2021 16:00	Prof. Dr. Martin Hartmann Transport in confined geometries
24.11.2021 16:00	Prof. Dr. Nicolas Vogel Fundamentals of Wetting and Surface functionalization

CLINT CORE TOPICS

01.12.2021 16:00	PD Dr. Marco Haumann SILP catalysis
08.12.2021 16:00	Prof. Dr. Peter Wasserscheid SCALMS – principles and applications
15.12.2021 16:00	Prof. Dr. Hans-Peter Steinrück SCILL fundamentals and characterization
22.12.2021 16:00	Prof. Dr. Karl Mayrhofer Evaluation of electrocatalyst activity, stability and selectivity – online coupling of analytical techniques to electrochemical flow cells
12.01.2022 16:00	Prof. Dr. Sannakaisa Virtanen Corrosion and corrosion protection

INTRODUCTION TO MODELLING AND SIMULATIONS

19.01.2022 16:00	Prof. Dr. Andreas Görling Insight into catalysis at liquid interfaces by density-functional calculations
26.01.2022 16:00	Prof. Dr. Dirk Zahn Molecular dynamics simulations of interface systems
02.02.2022 16:00	Prof. Dr. Ana-Sunčana Smith Hybrid methods in modelling catalysis
09.02.2022 16:00	Prof. Dr. Jens Harting Mesoscopic models and the multiscale ansatz