Erlangen Center for Interface Research and Catalysis

Interdisciplinary Graduate Course

Catalysis & Interfaces - Science & Engineering

Winter Term 2020 / 2021

Aim: Introduction to the most important methods in catalysis & interface science & engineering by top experts in each field

On-line lectures starting November 11, 2020, ending February 10, 2021

Lectures start at 3:30 pm and end at 5:00 pm.

Registration via Stud-on: https://www.studon.fau.de/crs2739138_join.html

ZOOM: https://fau.zoom.us/j/97115785439

11.11.2020 – Prof Dr Ana-Suncana Smith, Introduction to diffusive transport in confined geometry - modelling by molecular dynamics simulations.
18.11.2020 – Prof Dr Nicolas Vogel, Surface modification and wetting.
25.11.2020 – Prof Dr. Sannakaisa Virtanen, Passivity and localized corrosion of metals and alloys: mechanisms, models and methods.
02.12.2020 – Prof Dr Peter Felfer, Atom probe tomography in catalysis research.
09.12.2020 – Prof Dr Tobias Unruh, Mass transport on the atomic and molecular scale as seen by quasielastic neutron scattering.
23.12.2020 – no lecture
16.12.2020 – Prof Dr Marcus Bär, Photoelectron spectroscopy: quantification, depth profiling, energy level alignment.
13.01.2021 – PD Dr Christian Papp, Analyzing surface chemical reactions with synchrotron radiation.
20.01.2021 – Dr Alexandra Inayat, Introduction to porous materials.
27.01.2021 – Prof Dr Jens Harting, Mesoscale simulation of wetting and transport.
03.02.2021 – Prof Dr Matthias Thommes, Physical adsorption characterization of nanoporous materials.
10.02.2021 – Prof Dr Jörg Libuda, Vibrational spectroscopy at surfaces and interfaces.

IGC CISE is open to all PhD students and researchers in science and engineering.
IGC CISE is part of a 4 semester series consisting of 2 lecture courses and 2 workshops.
A certificate of attendance is issued after completion of the 4 semester series.

www.ecrc.fau.eu

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