unicat
Unifying Concepts in Catalysis

UniCat Colloquium

PROF. DR. CHRISTOPHE COPERET

ETH Zürich

Molecular understanding and controlled functionalization of surfaces towards single-site catalysts and beyond

The rational design and development of catalysts require structure – reactivity relationship approach, hence the need for strategies to obtain well-defined surface sites and their detailed characterization.
Here, we first discuss the method to control and understand the chemistry at the surface of materials towards the development of well-defined – so-called single-site – heterogeneous catalysts and show how this approach can bring about information about industrial catalysts. In this context, we will show how Dynamic Nuclear Polarization Surface Enhanced NMR spectroscopy can provide insightful information about material active site structures, which are not available by other characterization techniques.

Wednesday, October 31, 2018 at 5:15 PM
TU Berlin, Institute of Chemistry
Straße des 17. Juni 115, 10623 Berlin

Building C, Lecture Hall **C 264**

Prof. Dr. Limberg (HUB)
Organizer

Coffee and cake will be served 30 minutes before the lecture. Guests are cordially invited to attend!
Prof. Dr. Matthias Driess - Chair of the Cluster of Excellence UniCat - www.unicat.tu-berlin.de