

UniCat Lecture

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Lecturer: **Prof. Michael F. Toney, Stanford Synchrotron Radiation Lightsource, SLAC, Menlo Park, USA**

Title: **Structure, composition and activity of bimetallic electrocatalysts**

Abstract: Bimetallic electrocatalysts are commonly used to enhance reaction rates in energy conversion and storage devices, since these catalysts are more active than pure metal (e.g., Pt) catalysts, although at a cost of increased complexity. The study and understanding of the catalyst structure and how this impacts activity is of considerable interest and importance for improving catalysts. In this talk, I will describe ex-situ and in-situ X-ray scattering studies of bimetallic electrocatalysts – both model thin films and single crystals and nanoparticles. This work provides a more detailed understanding of structure-activity relationships in these materials.

Date: **Wednesday, 30 June 2010**

Time: **5:15 pm - around 6:45 pm**

Location: **TU Berlin
Institute of Chemistry, Building C
Straße des 17. Juni 115, 10623 Berlin
room C 243**

Organiser: Prof. Dr. P. Strasser (TUB)

Coffee and tea will be served thirty minutes prior to the lecture start.
Guests are cordially invited to attend!

Prof. Dr. Matthias Driess, Chair of the Cluster of Excellence UniCat