

# UniCat Colloquium

## PROF. WOLFGANG KAIM

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### *Metal Complexes with Hemi-Labile Redox-Active Ligands*

The variation of metal coordination in complexes as a function of the metal oxidation state is a well known phenomenon, with significant implications for redox catalysis. However, ligand-based electron transfer can have similar consequences, as illustrated in this presentation, using examples from the o-amidophenolate/o-iminoquinone non-innocent ligand family. Structure supported results from cyclic voltammetry and spectroelectrochemistry (UV-VIS-NIR, EPR) will be presented in conjunction with DFT calculations in order to illustrate the potential of this combination for the assignment and chemical consequences of ligand-centered electron transfer processes in coordination compounds.

**Wednesday, April 16, 2014 at 5:15 PM**

TU Berlin, Institute of Chemistry  
Straße des 17. Juni 115, 10623 Berlin

Building C, Lecture Hall **C 264**

**Prof. Kaupp (TUB)**

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](http://www.unicat.tu-berlin.de)



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