

# UniCat Colloquium

## PROF. DR. NEIL HUNT

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### *Exploring enzyme dynamics with ultrafast 2D-IR spectroscopy*

Two-dimensional infrared (2D-IR) spectroscopy is an ultrafast, non-linear optical spectroscopy method that has grown steadily in stature and usage since the first demonstration of the technique around two decades ago. In particular, 2D-IR spectroscopy has found numerous applications in investigating the structural dynamics and intermolecular interactions of biological molecules in the solution phase at ambient temperatures. This presentation will provide an introduction to the method of 2D-IR spectroscopy and illustrate this, using examples of its application to understanding the structure, molecular dynamics and photochemistry of a series of synthetic organometallic compounds that mimic aspects of the active sub-site of the [FeFe] hydrogenase family of enzymes.

**Wednesday, January 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. Hildebrandt (TUB)**

**Dr. Marius Horch (TUB)**

Organizers

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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