

UniCat Colloquium

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Lecturer: **Prof. Jana Roithová**, *Department of Organic Chemistry, Faculty of Science, Charles University in Prague, Czech Republic*

Title: **Ion spectroscopy in organometallic chemistry**

Abstract: The combination of electrospray ionization and mass spectrometry is often used for investigation of reaction mixtures. In favourable cases, the reactive intermediates can be transferred to the gas phase and their uni- or bimolecular reactivity can be studied. Infrared multiphoton dissociation (IRMPD) spectroscopy allows obtaining infrared spectra for the mass-selected ions and hence the elucidation of the ion structures. This approach can bring a new insight into many reactions proceeding via ionic intermediates. The lecture will be devoted to the presentation of the potentials of the gas-phase methods and their application to several organometallic reactions.

Find more about Prof. Roithová on:
<http://www.orgchem.cz/roithova/en/home/>

Date: **Wednesday, May 22nd, 2013**

Time: **5:15 pm**

Location: **TU Berlin
Department of Chemistry
Straße des 17. Juni 115
10623 Berlin
Building C
Lecture Hall C 264**

Organiser: **Prof. Matthias Drieß (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