



# **Vortragsankündigung**

**- im Rahmen des UniCat-Kolloquiums -**  
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Es spricht: **Prof. Dr. Walter Leitner**  
**(RWTH Aachen, MPI für Kohleforschung)**

Zeit: **Mittwoch, 29. Oktober 2008**  
**17:15 Uhr**

Ort: **TU Berlin**  
**Institut für Chemie, Altes Chemiegebäude**  
**Straße des 17. Juni 115**  
**10623 Berlin**  
**Raum C230**

Thema: **“Green Solvents” for catalysis:**  
**From molecular understanding to reaction**  
**engineering concepts**

**Abstract:** Catalysis is the key technology for environmentally benign and economically successful chemical processes. The possibility to activate substrates under mild conditions and to control the chemo-, regio-, and stereo-selectivity of their transformations with small amounts of a chemical “multiplier” is most attractive from an ecological and economical view.

This lecture will focus in the use of advanced solvent systems such as water, supercritical fluids, ionic liquids, poly(ethylene)glycol and combinations thereof in catalysis. These systems offer novel approaches for solution phase chemistry to design integrated and yet flexible processes combining reaction and separation steps under continuous-flow operation.

Organisator: **Prof. Dr. Matthias Driß (TUB)**

Gäste sind herzlich willkommen!

**Prof. Dr. Matthias Driß**  
Sprecher des Exzellenz-Clusters UniCat