



## Quo Vadis Chemie

# Catalysis: “Awakening Affinities” for Organic Synthesis



which will be delivered by

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and Biological Chemistry  
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**on 15.10 at 15:00**

the Lecture Hall CH2, the School of Chemistry Building, FoS  
CU, Hlavova 8, Praha 2

### Abstract:

The use of catalysis is now ubiquitous in organic synthesis. In this talk, I will discuss some recent examples of how we have used various kinds of catalysis to facilitate chemical transformations. These include acid and base catalysis, both in the Brønsted and Lewis senses, as well as transition metal catalysis. We have also extended the idea of using transition metal catalysis to the concept of bimetallic catalysis: using two quite different metal complexes to doubly activate the substrate. These reactions are applied to the synthesis of natural products and unnatural products, especially in the field of alkaloids and amino acids.

