



Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Donnerstag, dem 5. Februar 2015,

einen Vortrag von

Dipl.-Math. Siegfried Maier

(Universität Düsseldorf)

“A first Insight into the Analysis of Heterogeneous Catalysis”

Beginn: **15:15 Uhr**

Raum: **F 426**

Interessenten sind herzlich willkommen!

R. Denk, H. Freistühler, O. Schnürer

Abstract: Heterogeneous Catalysis in a finite three dimensional cylinder is studied. The governing equations describe diffusion in the bulk and on the active surface, sorption and chemical reactions. We show maximal L^p -regularity of the full linearization and consequently local-in-time well-posedness. Strong global-in-time L^2 -solutions are obtained via the derivation of L^∞ bounds.

(invited by Prof. Dr. Robert Denk)