



Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Mittwoch, dem 01. März 2017,

einen Vortrag von Herrn

Prof. Dr. Yoshihiro Shibata

(Waseda University Tokyo)

“On some free boundary problem for the Navier-Stokes equations”

Beginn: **14:00 Uhr**

Raum: **F420**

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Abstract: The local wellposedness holds for a bounded domain or a uniformly C^2 or C^3 unbounded domain under the assumption that the weak Dirichlet problem is uniquely solvable. The proof is based on the L_p - L_q maximal regularity for the Stokes equations with free boundary condition. Moreover, I will talk about some global wellposedness in the case of bounded domain and exterior domain. The key is to prove the decay properties of the Stokes equations with free boundary condition.

(invited by Prof. Dr. Reinhard Racke)