



# Lothar-Collatz-Kolloquium für Angewandte Mathematik

**Donnerstag, den 18. Mai 2017, um 17:15 Uhr, im Hörsaal 5**

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## *Free boundary problem for the Navier-Stokes equations*

### Zusammenfassung/Abstract:

I would like to talk about the maximal regularity for the Stokes equation with free boundary conditions and applying this to prove the local well-posedness for some free boundary problem for the Navier-Stokes equations. Moreover, would like to talk about some global well-posedness results with small initial data for the one phase or two phase problems for the Navier-Stokes equations. The point for this is some sharp spectral analysis for the Stokes equations.

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Die aktuelle Version der Kolloquiumsankündigungen (inkl. Abstracts) finden Sie unter:

<http://www.math.uni-hamburg.de/spag/angmath/kolloq/>