

# Program

## Opening Workshop

International Research Training Group 1529

Mathematical Fluid Dynamics

Room S1 01/A5

	October 22, 2009	October 23, 2009
9.00 - 9.45	Giuseppe Da Prato Asymptotic behavior of stochastic Navier-Stokes equation with exterior forces	Peter Kloeden The three dimensional globally modified Navier-Stokes equations
<i>COFFEE BREAK</i>		
10.30 - 10.50	Yuka Naito On Navier-Stokes equation with Robin Boundary condition in a perturbed half space	Kohei Soga Difference approximation of solutions of the Burgers equation and its application to the Aubry-Mather theory
10.55 - 11.15	Christian Brandenburg Shape Optimization for the Instationary Navier-Stokes Equations with Goal-Oriented Adaptivity	Tobias Hansel The Navier-Stokes equations in $\mathbb{R}^n$ with an unbounded and time dependent drift
11.30 - 12.15	Tudor Ratiu Optimal Control in Geometric Fluid Dynamics	Michael Hinze Mathematical aspects of flow control
<i>LUNCH</i>		
14.00 - 14.45	Maria Schonbek Asymptotics for the Boussinesq system	Yoshihiro Shibata $L_p$ - $L_q$ maximal regularity for the 2 phase Stokes problem
<i>COFFEE BREAK</i>		
15.30 - 15.50	Atsumo Sasaki Visible actions on complex vector spaces	
15.55 - 16.15	Matthias Köhne Natural and Dynamic Boundary Conditions for Incompressible Newtonian Flows	
16.30 - 17.15	Masao Yamazaki On stationary solutions with some symmetry of the two-dimensional Navier-Stokes exterior problem	