

## *Preliminary Program*

### **Career Opportunities for Women in Mathematical Fluid Dynamics**

**TU Darmstadt, October 20, 2009**

**Robert-Piloty-Gebäude, Room S202/A126**

11.00	<i>WELCOME</i>
11.15 – 12.00	Maria Schonbek Fluids and Harmonic Analysis
12.00 – 12.45	Adélia Sequeira An Introduction to Cardiovascular Modeling and Simulations
<i>LUNCH</i>	
14.00 – 14.45	Maria Specovius-Neugebauer Problems from Fluid Mechanics in Unbounded Domains
14.45 – 15.30	Senjo Shimizu Resolvent Estimates and Maximal Regularity of the Interface Problem for the Stokes System in the Whole Space
<i>COFFEE</i>	
16.00 – 16.45	Šárka Nečasová The Motion of Several Rigid Bodies in Viscous Fluids
17.35 – 17.55	Maria Neuss-Radu Modelling and Analysis for the Interaction of Flow, Chemical Reactions, and Mechanics in Cell Tissues
16.45 – 17.05	Elfriede Friedmann Drag reducing surfaces: Modeling, Simulation and Optimization
17.10 – 17.30	Bärbel Janssen Finite Element Methods for Hydrodynamics in Lakes