Workshop „Navier-Stokes Equations and related topics“

Samstag, den 14. Februar 2004, Hörsaal D2

9.00**: Prof. Dr. Christian G. Simader** (Bayreuth):
A second look on Stokes' system and related problems in a half-space: weak Lq - solutions.

9.30: **Prof. Dr. Herbert Amann** (Zürich):
Remarks on maximum regularity.

10.00: **Prof. Dr. Wolf von Wahl** (Bayreuth):
A generalized energy functional for plane Couette flow

10.30-11.00 Coffee break

11.00: **Prof. Dr. Michael Wiegner** (Aachen):
The Navier-Stokes Equations, a neverending story.

11.30: **Priv.-Doz. Dr. Dieter Bothe** (Paderborn):
Applications of the Navier-Stokes Equations in Chemical Engineering.

12.00: **Prof. Dr. Reinhard Farwig** (Darmstadt):
Fluid Flow Around Rotating Obstacles

12.30: **Prof. Dr. Werner Varnhorn** (Kassel):
A maximum modulus theorem in hydrodynamics

13.00-14.00 Lunch

14.00: **Prof. Dr. Yoshikazu Giga** (Sapporo):
Two-dimensional vorticity equations

14.30: **Prof. Dr. V.A. Solonnikov** (Ferrara):
On the stability of equilibruum figures of rotating viscous incompressible liquids

15.00: **Dr**. **Gudrun Thäter** (Hannover):
Neumann problem in a perforated layer - Sieving ad infinitum

15.30 – 16.00 Coffee break

16.00: **Prof. Dr. Hugo Barao da Veiga** (Pisa):
On the regularity of solutions to b.v.p. for flows with shear dependent viscosity.

16.30: **Dr. Okihiro Sawada** (z.Z. Darmstadt):
On the Navier-Stokes flows with linearly growing initial data.