

*The 21st Century COE Program for Research and Education
on Complex Functional Mechanical Systems*

International Workshop on Kinetic Theory and Fluid Dynamics in Complex Systems

Date and Site

- October 31 (Fri), 2003
- Lecture room 2, Department of Aeronautics and Astronautics,
Graduate School of Engineering, Kyoto University, Kyoto, Japan

Program

- 9:50 ~ 10:00 Opening
- 10:00 ~ 10:55 Ansgar Jüngel (University of Mainz, Germany)
Semiconductor device modeling using fluidodynamical models
- 11:00 ~ 11:45 Takeru Yano (Hokkaido University, Japan)
*Molecular dynamics study on kinetic boundary condition at an interface between
a vapor and its condensed phase*
- 11:45 ~ 13:30 Lunch
- 13:30 ~ 14:25 Charles D. Levermore (University of Maryland, USA)
Gas dynamics beyond Navier-Stokes
- 14:30 ~ 15:15 Luc Mieussens (University of Toulouse 3, France)
Implicit schemes for the Fokker-Planck-Landau equation of plasma physics
- 15:15 ~ 15:45 Coffee break
- 15:45 ~ 16:40 Alexei Heintz (Chalmers University of Technology, Sweden)
Willmore geometric flow by a kinetic approach
- 16:45 ~ 17:30 Shigeru Takata (Kyoto University, Japan)
*Kinetic theory analysis of two-surface problem of a vapor-vapor mixture in the
continuum limit*

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