



**BMBF Junior Research
Group Tribology and
nanomanipulation**

Earth and Environmental Sciences
Section Crystallography
Theresienstr. 41 80333 München
Germany



Special Symposium
**Dynamics, Chaos and Control
in Atomic Force Microscopy**

- 10:20** **Opening remarks and welcome**
Dr. Robert Stark (Ludwig-Maximilians-Universität München)
- 10:30** **Chaos in dynamic atomic force microscopy**
*Dr. Ferdinand Jamitzky (Max-Planck-Institut f.
Extraterrestrische Physik)*
- 10:50** **Transfer function description of the atomic force microscope**
F. Javier Rubio-Sierra (Ludwig-Maximilians-Universität München)
- 11:20** **Suppression of subharmonics and chaos in tapping mode atomic
force microscopy using time delayed feedback control**
Kohei Yamasue (Kyoto University)
- 11:40** **Nonlinear control applied to a flexible cantilever**
Prof. Miroslav Krstic (University of California, San Diego)

Date: **Wednesday 20.9.2006**

Location: **Theresienstr. 41 Room 111**

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