



# **Prof. Dr. Roland Bennewitz**

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## **“Moiré patterns and contacts driven out of equilibrium: What high-resolution AFM can do for the Graduiertenkolleg“**

High-resolution force microscopy goes beyond the imaging of surface topographies. It can determine forces on the molecular scale and in some cases even measure dissipation with local resolution. I will present experimental results with have a relation to some key words of the Graduiertenkolleg. These will include the structure of films in heteroepitaxy, the relevant time scales in atomic friction experiments, and the connection between nanometer and millimetre scale in friction.

**Dienstag, 28. Oktober 2008, 14 Uhr c.t.**

**Gebäude E2 6, Seminarraum E.04**

**Alle Interessenten sind herzlich eingeladen.**

Die Sprecher des Graduiertenkollegs  
Manfred Lücke und Ludger Santen

**Strukturbildung und Transport  
in komplexen Systemen**