

Interdisciplinary Nanoscience: From Basic Research to Applications

18.-19.5.2004

Institute of Physical Chemistry
University of Hamburg
Grindelallee 117
1st Floor
Room 160/161

In cooperation with
GrK 235: "Physics of nanostructured solids"
GrK 463: "Spectroscopy of localized atomic systems"
GrK 611: "Design and characterization of functional materials"
Center of Competence in Nanotechnology "HanseNanoTec"



Tuesday, May 18th:

- 10.00 Welcome and Introduction
- 10.10 R. Wiesendanger (Dept. of Physics, Hamburg University):
"Scanning Probe Methods: Novel Insight into the Nanoworld"
- 11.00 R. Taylor (Dept. of Informatics, Univ. of North Carolina, USA):
"Multidisciplinary Nanoscale Science and Education"
- 12.30 Lunch Break
- 14.00 R. Taylor (Dept. of Informatics, Univ. of North Carolina, USA):
"Virtual-Environment Systems for Nano-manipulation"
- 15.30 Coffee Break
- 16.00 J. Chen (IBM Yorktown Heights, USA and Hamburg Univ.):
"STM, NC-AFM and Atom Manipulation: From Personal Art to
Exact Science" (Part I)
- 17.30 End of 1st day

Wednesday, May 19th:

- 10.00 J. Chen (IBM Yorktown Heights, USA and Hamburg Univ.):
"STM, NC-AFM and Atom Manipulation: From Personal Art to
Exact Science" (Part II)
- 11.30 D. Talapin (IBM Yorktown Heights, USA):
"Nanocrystals" (Part I: Synthesis)
- 12.30 Lunch Break
- 14.00 D. Talapin (IBM Yorktown Heights, USA):
"Nanocrystals" (Part II: Applications)
- 15.00 A. Terfort (Dept. of Chemistry, Hamburg University):
"Surface modification by self-assembled monolayers"
- 16.00 General discussion and Concluding Remarks
- 17.00 Celebration Party of the Institute of Physical Chemistry

