

Thursday, October 5th

International Max Planck Research School
“Dynamical Processes in Atoms, Molecules and Solids”

Fall Meeting — October 4th to 6th, 2006

Parkhotel Margaretenhof
Pfaendorfer Str. 89
01824 Kurort Gohrisch, Sächsische Schweiz
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P R O G R A M

Wednesday, October 4th

- 10:00 Departure from Dresden Hauptbahnhof
S-train 1, platform 18
- 10:41 Arrival at Königstein, 45 min walk to Kurort Gohrisch
- 12:00 LUNCH AT MARGARETENHOF
- 13:20 - 13:30 WELCOME: Ulf Saalmann
- Chairperson: Ivan Liu
- 13:30 - 14:10 **Christian Kramberger**
Synthesis of individual Carbon nanotubes
- 14:10 - 14:50 **Ajit Kumar Patra**
Anisotropy and spin reorientation in epitaxial Pr-Co films
- 14:50 - 15:30 **Andreia Ioana Popa**
Electrochemically doped Vanadium oxide nanotubes
- 15:30 - 16:00 COFFEE BREAK
- Chairperson: Ionut Georgescu
- 16:00 - 16:40 **Pawel Wielgus**
Quantum chemistry for gas-phase metallic compounds: Profits and pitfalls
- 16:40 - 17:20 **Ricardo Pinto**
Discrete breathers and their quantization
- 17:20 - 17:50 **Alexander Croy**
Time-dependent electron transport in model systems
- 18:00 DINNER

- Chairperson: Christian Kramberger
- 09:00 - 09:40 **Ivan Liu**
How to make molecules from an ultracold atomic gas?
- 09:40 - 10:20 **Silvio Baier**
Nonsequential double ionization of H₂ in an intense laser pulse
- 10:20 - 10:50 COFFEE BREAK
- Chairperson: Ajat Kumar Patra
- 10:50 - 11:30 **Ionut Georgescu**
Clusters or “strongly coupled” plasmas in soft X-Ray laser fields
- 11:30 - 12:10 **Christian Gnodtke**
Imaging of atomic clusters with intense X-FEL pulses
- 12:30 LUNCH
- 14:00 TREKKING TOUR
- 18:00 DINNER AT MARGARETENHOF
- Chairperson: Pawel Wielgus
- 19:30 - 20:00 **Orkidia Zeneli**
Manganite and titanate epitaxial films on piezoelectric substrates
- 20:00 - 20:30 **Katrin Koch**
NMR measurement and EFG calculation of MGO₄

Friday, October 6th

- Chairperson: Andreia Ioana Popa
- 09:00 - 09:40 **Marek Pasciak**
Diffuse scattering and modeling of disorder in crystals
- 09:40 - 10:20 **Wojciech Müller**
Possible routes towards non-Fermi liquid behaviour and unusual low-temperature properties of the URh_{1-x}Ru_xGe system
- 10:20 - 10:50 COFFEE BREAK
- Chairperson: Ricardo Pinto
- 10:50 - 11:30 **Dmytri Inosov**
Measuring the quasi-particle Green's function with ARPES
- 11:30 - 12:10 **Volodymyr Zabolotnyy**
ARPES on YBCO. Anomalous surface overdoping as a clue to puzzling electronic structure
- 12:30 LUNCH
- DEPARTURE
- S-trains from Königstein to Dresden depart *:17 and *:47