



**INTERNATIONAL
MAX PLANCK RESEARCH SCHOOL**

**Dynamical Processes
in Atoms,
Molecules and Solids**



Dresden/Germany

**Workshop
September 1 - 3, 2005**

Hotel "Lindenhof"
Gohrischer Str. 2, 01824 Königstein
Sächsische Schweiz
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Preliminary Program

Thursday, September 1st

after the opening ceremony travel
by S-Bahn to Königstein at approx. 6 p.m.

dinner in Hotel "Lindenhof" and get-together

Preliminary Program

Friday, September 2nd

9:00 - 12:00	talks lunch
13:00 - 15:00	talks hiking tour Lilienstein dinner
19:00 - 21:00	talks

Saturday, September 3rd

9:00 - 12:00	talks lunch departure to Dresden
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Workshop Program Friday, September 2nd

	chairman: U Saalmann
09:00 - 09:40	J M Rost , MPIPKS Complex dynamics and clustering in physics and in life
09:40 - 10:20	M Loewenhaupt , TUD Magnetic Neutron Scattering
10:20 - 10:40	Coffee break
10:40 - 11:20	B Büchner , IFW O-NMR study on charge order in cuprates
11:20 - 11:40	D Inosov , IFW Angle resolved photoemission spectroscopy as a tool to study electronic structure of high-Tc superconductors
11:40 - 12:00	V Zabolotnyy , IFW ARPES studies of coupling to a collective mode in HTSC
12:00 - 13:00	Lunch
	chairman: U Saalmann
13:00 - 13:40	K Becker , TUD Static and dynamic properties of the Falicov-Kimball model
13:40 - 14:00	G Urbanik , University of Wrocław STM studies of alkali intercalated graphite
14:00 - 14:20	A K Patra , IFW Texture and hard magnetic properties of epitaxial Pr-Co films prepared by pulsed laser deposition (PLD)
14:20 - 14:40	R A Pinto , MPIPKS Dynamics of localized excitations in a trimer molecule: Searching for quantum breathers
15:00 - 18:00	Hiking tour to Lilienstein
18:00	Dinner

chairman: J M Rost

19:00 - 19:40	H Eschrig , IFW The essentials of density functional theory
19:40 - 20:00	W Zhang , IFW Collapse of magnetism in ZrFe ₂ under pressure
20:00 - 20:40	A Becker , MPIPKS Ionization in intense laser fields
20:40 - 21:00	C. Kramberger , IFW Laser induced rapid formation of inner CNT from peapods

Saturday, September 3rd

	chairman: J M Rost
09:00 - 09:40	J Sznajd , ILTSR Wrocław Power laws in off-critical systems
09:40 - 10:00	M Pasciak , ILTSR Wrocław Correlations and local order in solids. Diffuse scattering method
10:00 - 10:20	W Müller , ILTRS Wrocław Solid state crystallization of BSCCO high temperature superconductors precursor glasses
10:20 - 10:40	Coffee break
10:40 - 11:20	U Saalmann , MPIPKS Non-equilibrium quantum transport: Imaging electronic states of supported clusters
11:20 - 11:40	I Georgescu , MPIPKS Noble gas clusters in the field of a free electron laser
11:40 - 12:00	I Liu , MPIPKS Slow e-scattering in highly excited systems: Application to ultracold Rydberg gas
12:00	Lunch