



Workshop “Phase Transformations and Novel Materials”

Obergurgl, 3.-5.11.2011

Thursday afternoon: Bus transfer from Rechengasse at 15:00 (there are still free seats!).
Arrival and check-in.

18:30 Dinner

20:00 Welcome and Opening

20:10-21:00 W. Schmahl (LMU Munich): “Phase Transitions and Shape Memory”.

21:00-21:30 St. Neumair (LFU Innsbruck): “High-Pressure Polymorphs of Alkali Metal Borates”.

Friday

8:00 Breakfast

9:00-9:50 G.D. Gatta (Univ. of Milan): “Mechanisms of Phase Transitions in Microporous Materials”.

9:50-10:20 H. Krüger (LFU Innsbruck): “Superspace Description of Brownmillerites and Related Materials”

10:20-10:50 Coffee

10:50-11:20 V. Kahlenberg (LFU Innsbruck): “Symmetry Adapted Modes and Phase Transitions”.

11:20-12:10 H.C. Nägerl (LFU Innsbruck): “Model Studies of Phase Transitions in Optical Lattices”.

12:15 Lunch

15:30-16:20	G. Sawatzky (Univ. of Vancouver): "The Importance of Non-Uniform Polarizability of Solids and Interfaces in Material Properties and Design".
16:20-16:50	E. Bertel (LFU Innsbruck): "Phase Fluctuations on Low-Dimensional Adsorbate Systems and in Fe Based Superconductors"
16:50-17:40	M. D. Ediger (Univ. of Wisconsin): "How to Make a Million-Year-Old Glass in 10 Minutes"
17:40-18:10	M. Seidl (LFU Innsbruck): "Presence and Absence of Crystallization Nuclei in High-Density Amorphous Ice"
18:30	Dinner

Saturday

8:00	Breakfast
9:00-9:50	B. v. Issendorf (ALU Freiburg): "The Melting Transition of Free Sodium Clusters"
9:50-10:20	P. Bartl (LFU Innsbruck): "Novel Materials in He Droplets".
10:20-10:50	Coffee
10:50-11:40	B. Lindman (Univ. of Lund): "Mixed Polymer-Surfactant Systems: Phase Separation, Gels, Particles and Surface Modification"
11:40-12:10	A. Manian (LFU Innsbruck/Dornbirn): "Reactions on Heterogeneous Multi-Phase Systems: Cellulosic Materials".
12:10-12:20	Concluding Remarks
12:30	Lunch
13:30	Departure

Time slots are 40+10 min and 25+5 min, respectively.

On Friday there is an extended Lunch-break to offer opportunity for walks etc. Coffee will be served from 15:00.

Friday evening after Dinner there is room for get-together and informal discussions.