Workshop on Laser-induced magnetization dynamics in nanostructures Seminar Hotel Stoos, Room Grosser Mythen

Wednesday 6. October 2010
Session char: Nolting 09:00 Welcome 09:15 Parkin (Invited) The Spin on Electronics! - Science and Technology of spin currents in nano- materials and nano-devices 09:45 Blügel (Invited) Coffee Magneto-optics and Opto-magnetism I 11:00-12:15 Session char: Kimel 11:00 Ithoh (Invited) RE-TM amorphous films for MO recording media and their future aspects 11:30 Mekonnen Laser-induced magnetization dynamics in a Gd _{1-x} Co _x ferrimagnetic thin film Session char: Nolting 09:00 Malinowski (Invited) Femtosecond Magnetization Dynamics – From Demagnetization to Spin Transfer 09:30 Oppeneer (Invited) Mechanisms of ultrafast laser-induced demagnetization in metals – A theoretical investigation 10:00 Stamm Spin and Orbital Angular Momentum Dynamics in Ultrafast Magnetization Stud with fs X-Ray Spectroscopy Coffee Magnetic Nanostructures II 11:00 – If Session char: Kies 11:00 Brune (Invited) Enhancing Magnetic Hardness in Self- Assembled Island Superlattices 11:30 Heyderman Investigation of artificial kagome spin ice photoemisssion electron microscopy 11:50 Kleibert
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An Element-specific View on Ultrafast Size-dependent Spin Structures in Fe
Magnetization Reversal of ferrimagnetic nanoparticles on ferromagnetic Co support
GdFeCo
Lunch Lunch
Magnetization Dynamics I 15:00 – 16:15 Magneto-optics and Opto-magnetism II 15:00-1 Session char: Back Session char: Cha
15:00 Lüning (Invited) 15:00 Kalashnikova (Invited)
First glimpses with XUV/X-FELs on Ultrafast all-optical magnetization reversal
femtosecond magnetization dynamics RE-TM alloys
15:30 Carva 15:30 Popova
First-principles analysis of Elliott-Yafet Theoretical investigation of the ultrafast la
processes during laser-induced ultrafast induced magnetization dynamics in many-
demagnetization electron systems
15:50 Hinzke 15:50 Reid
Numerical investigation of thermally driven domain wall dynamics Photo Control of Magnetism in a (Ga,Mn). thin film
16:10 Closing
Coffee Coffee
Poster Session Hotel lounge 16:30 - 18:30
Posters should be on display during the whole workshop
19:00 workshop dinner
Cheese-Fondue on top of the Fronalpstock