

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

Wednesday 6. October 2010	Thursday 7. October 2010
<p><i>Magnetic Nanostructures I</i> 9:00 – 10:30 Session char: Nolting</p> <p>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)</p>	<p><i>Magnetization Dynamics II</i> 9:00 – 10:30 Session char: Nowak</p> <p>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 Studied with fs X-Ray Spectroscopy</p>
Coffee	Coffee
<p><i>Magneto-optics and Opto-magnetism I</i> 11:00-12:15 Session char: Kimel</p> <p>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 11:50 Radu An Element-specific View on Ultrafast Magnetization Reversal of ferrimagnetic GdFeCo</p>	<p><i>Magnetic Nanostructures II</i> 11:00 – 12:15 Session char: Kiessling</p> <p>11:00 Brune (Invited) Enhancing Magnetic Hardness in Self-Assembled Island Superlattices 11:30 Heyderman Investigation of artificial kagome spin ice with photoemission electron microscopy 11:50 Kleibert Size-dependent Spin Structures in Fe nanoparticles on ferromagnetic Co supports</p>
Lunch	Lunch
<p><i>Magnetization Dynamics I</i> 15:00 – 16:15 Session char: Back</p> <p>15:00 Lüning (Invited) First glimpses with XUV/X-FELs on femtosecond magnetization dynamics 15:30 Carva First-principles analysis of Elliott-Yafet processes during laser-induced ultrafast demagnetization 15:50 Hinzke Numerical investigation of thermally driven domain wall dynamics</p>	<p><i>Magneto-optics and Opto-magnetism II</i> 15:00-16:15 Session char: Chantrell</p> <p>15:00 Kalashnikova (Invited) Ultrafast all-optical magnetization reversal in RE-TM alloys 15:30 Popova Theoretical investigation of the ultrafast laser-induced magnetization dynamics in many-electron systems 15:50 Reid Photo Control of Magnetism in a (Ga,Mn)As thin film 16:10 Closing</p>
Coffee	Coffee
<p><i>Poster Session</i> Hotel lounge 16:30 - 18:30 Posters should be on display during the whole workshop</p>	
<p>19:00 <i>workshop dinner</i> Cheese-Fondue on top of the Fronalpstock</p>	