

# Summerschool on Condensed Matter Research, Zuoz, 8. – 13. August 2010      Magnetic phenomena

## Tentative Programme

	Sunday 8 Aug 2010	Monday 9 Aug 2010	Tuesday 10 Aug 2010	Wednesday 11 Aug 2010	Thursday 12 Aug 2010	Friday 13 Aug 2010
09:00 – 10:15	<b>Stephen Blundell</b> Why study magnetism? A look back, and a look forward	<b>Manfred Sigrist</b> Introduction to strongly correlated electron systems	<b>Nic Shannon</b> Frustration	Excursion	<b>Jochen Stahn</b> Introduction to polarised neutron and resonant x-ray reflectometry	<b>A. Fraile Rodriguez</b> A closer look into magnetic nanostructures using x-ray photoemission electron microscopy
10:15 – 10:45	COFFEE	COFFEE	COFFEE		COFFEE	COFFEE
10:45 – 12:00	<b>Per Hedegård</b> Introduction to Magnetism and magnetic interactions	<b>Hilbert von Löhneysen</b> Magnetic quantum phase transitions	<b>Oksana Zaharko</b> Magnetic Neutron and X-ray diffraction / Neutron polarimetry		<b>Hartmut Zabel</b> Magnetism in layered systems – films and multilayers	<b>Mathias Kläui</b> Magnetization dynamics on the nanoscale
12:15 – 16:00	Lunch and Free Afternoon	Lunch and Free Afternoon	Lunch and Free Afternoon		Lunch and Free Afternoon	Closing remarks Lunch Departure
16:00 – 16:30	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE	
16:30 – 17:45	<b>Severian Gvasaliya</b> Introduction to neutron spectroscopy	<b>Hubertus Luetkens</b> Introduction to MuSR	<b>Michel Kenzelmann</b> Multiferroics - experiments	<b>Zaher Salman</b> Introduction to Low energy Muons	<b>Pietro Gambardella</b> Magnetism in nanostructures	
17:45 – 19:00	<b>Andrey Zheludev</b> Low dimensional magnetism – chains and ladders	<b>Ming Shi</b> ARPES on high-temperature superconducting and magnetic materials	<b>Silvia Picozzi</b> Multiferroics - simulations	<b>POSTERSESSION</b>	<b>Thorsten Schmitt</b> RIXS used to study excitations in magnetic materials	
19:15 – 20:30	DINNER	DINNER	DINNER	DINNER	Apéro	
20:30 – 21:30	<b>Steven Bramwell</b> Magnetic monopoles?	<b>Sergey Dudarev</b> Twin towers and Magnetism	<b>James Valles</b> Manipulating Life with Intense Magnetic Fields	<b>Rolf Allenspach</b> Magnetic data storage	BANQUET	