

Workshop "Modern Simulation Methods in Materials Science"

	Monday 17th	Tuesday 18th	Wednesday 19th	Thursday 20th
9:00	Arrival and Registration	Jairo Sinova <i>Keynote on Spintronics</i>	Giovanni Settani <i>Molecular Dynamics Simulations</i>	Jairo Sinova <i>Spin-orbit Torque and Spin Transfer Torque</i>
9:45			Marialore Sulpizi <i>Ab-Initio Simulation Methods</i>	Erik McNellis <i>T.B.A.</i>
10:30	<i>opening</i>	<i>break</i>	<i>break</i>	<i>break</i>
11:00	Kurt Kremer <i>Keynote on Soft Matter</i>	Benjamin Kruger <i>Magnetization Dynamics</i>	Tutorial IV <i>Molecular Dynamics</i> (Settani+Sulpizi)	Tutorial V <i>T.B.A.</i> (McNellis)
11:45		Zhe Yuan <i>Ab-initio Methods in Magnetic Materials</i>		
12:30	<i>lunch</i>	<i>lunch</i>	<i>lunch</i>	<i>lunch</i>
14:00	Thomas Speck <i>Introduction to Monte-Carlo Simulations</i>	Tutorial II <i>Magnetization Dynamics</i> (Kruger)	Tutorial IV (cont.)	Tutorial V (cont.)
14:45	Tutorial I		Friederike Schmid <i>Fluid Dynamics I - Dissipative Particle Dynamics</i>	
15:30	<i>break</i>	<i>break</i>	<i>break</i>	Discussions and Departure
16:00	Tutorial I (cont.) <i>Monte-Carlo Simulations and Visualization</i> (Virnau+Speck)	Tutorial III <i>Ab-initio Simulations</i> (Yuan)	Roland Winkler <i>Fluid Dynamics II - Multi-Particle Collision Dynamics</i>	
16:45			Burkhard Dünweg <i>Fluid Dynamics III - Lattice Boltzmann</i>	
17:30				

Legend	Keynotes	Tutorials	Lectures	Social
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