

	<b>Tuesday 18/6</b>			
	<b>Session VIII (Room Hermes)</b>		<b>Session IX (Room Apollon)</b>	
	<b>Ultrafast Magnetism - 3</b>		<b>Ultrafast Dynamics - 2</b>	
	Chair: <i>Hermann Dürr</i>		Chair: <i>Ed Barnes</i>	
08:30-09:00	Junjie He	"Real-time ab initio study of chiral spin dynamics in laser-induced demagnetization."	Jim Freericks, Keynote	"Measuring ultrafast electron correlations with core x-ray photoemission and x-rayabsorption spectroscopies."
09:00-09:30	Daniel Schick	"An ultrafast and depth-resolved view on all-optical switching of in-plane magnetization."	Lex Kemper	"Quantum algorithms for dynamics and dynamical observables."
09:30-10:00	Anna Delin	"Magnetism and spin dynamics in low-dimensional material."	Herbert Fotsch	"What is the role of disorder in the nonequilibrium dynamics of correlated quantum systems?"
10:00-10:30	Bastian Pfau	"Understanding the ultrafast emergence of a skyrmion phase in a ferromagnet."	Sam Teitelbaum	"Sum-frequency ionic Raman scattering at finite wavevector."
10:30-11:00	<b>Coffee Break</b>			
	<b>Session X (Room Hermes)</b>		<b>Session XI (Room Apollon)</b>	
	<b>Nonequilibrium Superconductivity - 2</b>		<b>Quantum Sensing &amp; Control - 2</b>	
	Chair: <i>Michael Rübhausen</i>		Chair: <i>Sophia Economou</i>	
11:00-11:30	Daniele Nicoletti, Keynote	"Recent advances in the optical control of superconductivity in high-Tc cuprates."	Wolfgang Pfaff	"Parametric quantum control for superconducting and hybrid quantum devices."
11:30-12:00	Takami Tohyama	"Electric-pulse-induced spin and charge dynamics in doped Mott insulators."	John Nichol	"Dark states in silicon."
12:00-12:30	Nan-Lin Wang	"Robust spin order and fragile charge order in Na 0.5 CoO 2 as revealed by time-resolved terahertz spectroscopy."	Vsevolod Ivanov	"Control and modulation of color center defects from first-principles."
12:30-13:00	Giovanni De Vecchi	"Ultrafast Magnetic Step Spectroscopy."	Christopher Long	"Towards chemistry simulations on silicon quantum processors."
13:00-16:00	<b>Break</b>			
	<b>Session XII (Room Hermes)</b>		<b>Session XIII (Room Apollon)</b>	
	<b>Ultrafast Magnetism - 4</b>		<b>Ultrashort Pulse Lasers - 1 MWIR</b>	
	Chair: <i>Uwe Bovensiepen</i>		Chair: <i>Irina Sorokina</i>	
16:00-16:30	Hermann Dürr, Keynote	"Electron-phonon scattering processes in ferromagnets observed in real time."	Sergey Mirov, Keynote	"Progress in mid-IR ultrafast lasers based on transition metal doped II-VI gain media."
16:30-17:00	Mirco Cinchetti	"Coherent THz, lattice dynamics coupled to spins in 2D antiferromagnetic semiconductors: a combined magneto-optical and ARPES study."	Francois Legare, Keynote	"High-field long wavelength ultrafast laser sources and their applications."
17:00-17:30	Haidan Wen	"Ultrafast spin-shear coupling in van der Waals antiferromagnets."	Alfan Sennaroglu	"Continuous-wave and pulsed operation of rare-earth ion-doped fluoride crystal waveguide lasers in the near and mid-infrared spectral region."
17:30-18:00	Davide Bossini	"Dynamical renormalisation of a spin Hamiltonian via high-order nonlinear magnonics."	Zenghu Chang	"Intense femtosecond mid-infrared sources at 4-micron."
18:00-18:30	<b>Coffee Break</b>			
	<b>Session XIV (Room Hermes)</b>		<b>Session XV (Room Apollon)</b>	
	<b>Quantum Sensing &amp; Control - 3</b>		<b>Ultrafast Bandgap Photonics - 2</b>	
	Chair: <i>Lex Kemper</i>		Chair: <i>You Zhou</i>	
18:30-19:00	Ed Barnes	"Robust and time-optimal quantum control from geometric space curves."	Peter Dombi	"On-chip testing of the transient metallization of dielectrics."
19:00-19:30	Angela Kou	"Driving the fluxonium qubit"	Kenan Gundogdu	"Room Temperature Superfluorescence in Lead Halide Perovskites."
19:30-20:00	Yao Wang	"Using ultrafast x-ray spectroscopies to probe and control many-body entanglement in quantum materials."	Matt Ringer	"Advanced electronics for the clean energy future."