

Program of the 3rd Kick-off Meeting of the CRC/TRR 227

Ultrafast Spin Dynamics

March 16, 2026

Chair: M. Weinelt	12:00	<i>Welcome & Refreshments</i>		
	12:30	Bert Koopmans	<i>TU Eindhoven, NL</i>	Deterministic ultrafast all-optical creation and annihilation of magnetic skyrmions
	13:15	Davide Bossini	<i>Univ. Konstanz</i>	Optical renormalization of collective magnetic excitations in quantum materials
	14:00 – 14:30	<i>Coffee break</i>		
Chair: K. Franke	14:30	Fabio Donati	<i>Ewha Womans Univ., Seoul, South Korea</i>	All-electrical coherent control of a single 4f electron spin
	15:15	Hélène Seiler	<i>FU Berlin</i>	Probing electronic disorder in 2D materials with coherent multi-dimensional spectroscopy
	16:00 – 16:30	<i>Coffee break</i>		
Chair: S. Lounis	16:30	Sebastian Goennenwein	<i>Univ. Konstanz</i>	Femtosecond noise correlation spectroscopy
	17:15	Kirill Bolotin	<i>FU Berlin</i>	Spintronics and valleytronics in 2D
	18:00	Unai Atxitia	<i>ICMM, Spain</i>	Multiscale modelling of ultrafast dynamics in 2D magnets
	19:30	Dinner (Restaurant Engler's, Englerallee 42, 14195 Berlin)		

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Chair: S. Eisebitt	9:00	Hans Christian Schneider	<i>RPTU Kaiserslautern</i>	Ultrafast electron dynamics in altermagnets
	9:45	Samir Lounis	<i>MLU Halle</i>	Single-pulse ultrafast optical switching in an elementary ferromagnet and altermagnet
	10:30 – 11:00	<i>Coffee break</i>		
Chair: G. Woltersdorf	11:00	Martin Aeschlimann	<i>RPTU Kaiserslautern</i>	Exploring ultrafast magnetism across diverse material classes
	11:45	Markus Weißenhofer	<i>Uppsala Univ., Sweden</i>	Phonon angular momentum generated through ultrafast demagnetization and coupling to magnons

	12:30 – 13:45	<i>Lunch break</i>		
Chair: T. Kampfrath	13:45	Dmitry Turchinovich	<i>Univ. Bielefeld</i>	Strong field terahertz effects in graphene and 2D semiconductors
	14:30	Hermann Dürr	<i>Uppsala Univ., Sweden</i>	Nonequilibrium topological spin currents
	15:15	<i>Closing remarks & Farewell</i>		