Summer School 2019
Frontiers in Time-Resolved Science:
Spin, Charge and Lattice Dynamics in Condensed Matter

August 19. - 23., 2018

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00	Anreise	Helmut Schultheiß *Spin waves: From the basics to the state of the art*	Søren Ulstrup *Probing electronic band structure and ultrafast dynamics with time- and angle-resolved photoemission*	Lukasz Plucinski *Topological materials: How to probe them by photoemission*	Tomas Jungwirth *From magnetic storage to terahertz and neuromorphic microelectronics*
10:00					
		Break	Break	Break	Break
11:00		Sangeeta Sharma *Ab-initio description of spin dynamics*	Christian Flindt *Statistics of charge transport in nano-structures*	Martin Weinelt *Ultrafast magnetization dynamics and its signature in the electronic structure*	Discussion time w. lectures at posters
					Lunch
12:30	Lunch	Lunch	Lunch	Lunch	Abreise
14:00	Opening Spokespersons of the SFBs	Tobias Kampfrath *Ultrafast spintronics with terahertz radiation*	Discussion time w. lectures at posters	Reinhard Maurer *Ab-initio simulation methods to study coupled electron-nuclear dynamics at surfaces*	
15:00	Break		Excursion to Koblenz with guided tour of the Festung Ehrenbreitstein and Boat tour back to Bad Honnef		
	Brad Siwick *Ultrafast electron scattering: Photoinduced phase transitions, electron-phonon coupling and nonequilibrium phonon dynamics*	Break		Break	
16:00		Discussion time w. lectures at posters		Discussion time w. lectures at posters	
17:00	Student poster time	Student poster time		Student poster time	
18:30	Dinner	Dinner		Dinner	
19:30	Warm up	Anton Zensus *Taking the Image of the Black Hole*	Garden barbeque	Student poster time	