Joint School on Spin Physics (JSSP)

Oct. 25 – 28. 2021

PhD conference of TRR 227 and TRR 173 – Hotel am Schloß Apolda, Thuringia

Session 1A

Poster Number	First Name	Last Name	Title
1	Akashdeep	Akashdeep	Magnetic coupling in Y3Fe5O12/Gd3Fe5O12 heterostructures
2	Hassan	AL-Hamdo	Magnetization dynamics in ferromagnet/antiferromagnet bilayers
3	Ahmed	Alhassanat	Element-specific magnetic properties of mixed 3d-4f metallacrowns
4	Tim	Amrhein	Optical control of 4f orbital state in rare-earth metals
5	Sanjay	Ashok	Role of Spin, Charge and Heat transport in ultrafast demagnetization dynamics
6	Chowdhury Shadman	Awsaf	Ultrafast demagnetisation in (Co/Pt)/IrMn
7	Benedikt	Baumann	UHV in-situ preparation techniques of multi-spin molecules
8	Sven	Becker	Spin Hall magnetoresistance measurements at canted antiferromagnets
9	Michael	Berger	Spin-Resolved Quantum Scars in Confined Two-Dimensional Electron Gas
10	Mona Manjaree	Bhukta	High Resolution Magnetic imaging using SEMPA
11	Jan	Böhnke	Ultrafast dynamics of direct and indirect excitation pathways of the topologically protected surface states on Sb2Te3
12	Lukas	Bolz	Infrared spectroscopy on multi-spin molecules
13	Satya Prakash	Bommanaboyena	Imprinting the domain pattern of a metallic antiferromagnet on thin ferromagnetic overlayers
14	Martin	Borchert	First lab-based (time-resolved) resonant (magnetic) scattering
15	Oliver	Busch	Anomalous and spin Hall effect in chiral antiferromagnets Mn3X (X = Ir, Sn, ...)
16	Bikash	Das Mohapatra	THz Spintronic Devices
17	Felix	Dusabirane	Electron-magnon scattering in model band structures
18	Peter	Elliott	Insights into spin dynamics from ab-initio simulations

Session 1B

Poster Number	First Name	Last Name	Title
19	Felix	Fuhrmann	Spin dynamics and transport in a collinear magnetic multilayer
20	Sumit	Ghosh	Imprinting chirality on an antiferromagnetic spin chain with ultrafast laser
21	Oliver	Gückstock	Disentangling ultrafast spin-dependent and spin Seebeck effect by photoinduced terahertz spin currents
22	Luca	Haag	Hot electron dynamics in Graphene
23	Tobias	Held	Density-Dependent Electron-Phonon Coupling in Metals
24	Anna	Hellenes	Magnetoresistance with altermagnets
25	Paul	Herrgen	Ultrafast dynamics in antiferromagnetic Pt/NiO thin films
26	Katharina	Hilgert	Electron Dynamics of intercalated Graphene Layers on Nickel
27	Jonas	Hoefer	Using CMOKE to investigate Ultrafast Demagnetization in layered thin film systems
28	Albert	Hönemann	Edelstein effect and spin-orbit torque in ferromagnetic/nonmagnetic multilayers
29	Wolfgang	Hoppe	Investigation of laser induced ultrafast current pulses in nm-thin metallic bilayers.
30	Rahil	Hosseinifar	Magnetic imaging study of magnetic toggle switching in GdFe thin films induced by femtosecond laser pulses
31	Denis	Iagodkin	Time-resolved photocurrent towards spin resolution
32	Rodrigo	Jaeschke Ubiergo	Spin transport in Altermagnets
33	Fabian	Kammerbauer	Tuning magnetic properties in thin film rare-eath transition metal ferrimagnets
34	Robin	Kamrla	HHG driven photoemission of correlated electrons from metals and oxides
35	Ross	Knapman	Creation of Topological Magnetic Structures by Electrical Means
36	Abhijeet	Kumar	Ultrafast spin dynamics at the TMD heterostructure interface

Session 2A

Poster Number	First Name	Last Name	Title
37	Ivar	Kumberg	Simulation of time resolved resonant X-ray reflection Special
38	Akira	Lentfert	BLS scattering using diffraction grating based spectromter
39	Christian	Lotze	STM goes Ultrafast: Construction of a THZ-STM
40	Jake	Love	Reservoir Computing with Topological Magnetic Textures
41	Maximilian	Mattern	Laser-induced metamagnetic phase transition of FeRh probed by UXRD and MOKE
42	Hendrik	Meer	Switching of antiferromagnetic NiO
43	Martin	Mitkov	Excitonic states and exciton dynamics in organic semiconductors
44	Gizem	Ozcan	Elastoconductivity in Altermagnets
45	Maximilian	Paleschke	Dichroism in threshold Photoemission Electron Microscopy
46	Tomás	Périé de Barros	Impact of electron correlation on the light-induced demagnetization
47	Henrike	Probst	Ultrafast Element-resolved Magnetization Dynamics using a Fiber-laser-driven extreme Ultraviolet Light Source
48	David	Reiss	Spin-Hall magnetoresistance in the AC (THz) regime - theory and experiments" or "Towards a Boltzmann theory of the ultrafast spin-Seebeck effect"
49	Reza	Rouzegar	THz spin caloritronics
50	Matthias	Rüb	Optically induced phase transitions in TMDC C60 heterostructures
51	Lisa	Rütten	Fe atoms on superconducting NbSe2
52	Thomas	Saunderson	First principles calculations investigating the hidden current-induced bulk spin and orbital torques in bulk Fe3GeTe2
53	Alexander	Schäffer	Chiral logic computing with twisted antiferromagnetic magnon modes
54	Philippe	Scheid	Ab Initio Study of Helicity-Dependent Light-Induced Demagnetization: From the Optical Regime to the Extreme Ultraviolet Regime

Session 2B

Poster Number	First Name	Last Name	Title
55	Christin	Schmitt	Switching of insulating AFMs
56	Benjamin	Schwager	Spin Dynamics under Geometrical Confinement
57	Felix	Steinbach	Wide-field magneto-optical microscope to access quantitative magnetization dynamics with femtosecond temporal and sub-micrometer spatial resolution
58	Martin	Stiehl	wavelength dependent demagnetization in Ni
59	Abolfazl	Tavakoli	Spin dynamics in Heisenberg magnet with bath coupling
60	Tim	Titze	Ultrafast Spectroscopy of Correlated Manganites
61	Jorge	Torres	XAS of spin-crossover molecules principal component analysis assisted by machine learning
62	Sergey	Trishin	Magnetic adatoms on MoS2
63	Markus	Ühlein	including the electronic nonequilibrium in the two-temperature model
64	Marius	Weber	Hot-Electron Scattering with exchange effects
65	Christopher	Weiß	Plasmon Dynamics on Monocrystalline Silver
66	Huijuan	Xiao	TBA
67	Kelvin	Yao	Towards all optical switching on the nanoscale via transient grating
68	Misbah	Yaqoob	Magnetization dynamics in ferromagnetic multilayers
69	Xinwei	Zheng	Ultrafast magnetization dynamics in Fe at the BZ edge studied by tr-ARPES
70	Gregor	Zinke	Influence of a non-magnetic substrate on optically induced transport in a ferromagnetic alloy