

Skymionics Young Researchers' Retreat Meeting

12.09-15.09.2022

Day 01	12 September 2022
	Arrival
12:30-14:00	Lunch
14:30-15:00	Welcome & opening remarks
15:00-16:00	<i>"Metallic skyrmions in the light of x-rays for possible applications"</i> Gisela Schütz
	Coffee break
16:30-17:00	<i>"Gigahertz dynamics of skyrmions in a chiral magnetic insulator"</i> Aisha Aqeel
17:00-17:30	<i>"Nonlinear dynamics of skyrmion strings"</i> Volodymyr Kravchuk
17:30-18:30	Flash presentations
18:30-19:30	Dinner

Day 02	13 September 2022
08:00-09:00	Breakfast
09:00-10:30	<i>"What next? – How to Find My Job on the Non-Academic Labour Market"</i> Matthias Zach
	Coffee break
11:00-12:30	<i>"What next? – How to Find My Job on the Non-Academic Labour Market"</i> Matthias Zach
12:30-14:00	Lunch
14:00-15:00	<i>"Unconscious bias: how it impacts careers in science and how to mitigate this influence"</i> Petra Rudolf
15:00-15:20	<i>"Walking skyrmions"</i> Alla Bezvershenko
15:20-15:40	<i>"Controlling Magnetic Skyrmion Nucleation and Motion"</i> Lisa-Marie Kern
15:40-16:00	<i>"Antiskyrmions, skyrmions, and novel surface effects in S4-symmetric systems"</i> Jan Masell
	Coffee break

16:30-17:30	<i>"From Spin-Orbitronics to Orbitronics – novel science and applications in memory and non-conventional computing using skyrmions"</i> Mathias Kläui
17:30-18:30	<i>"Magnetic nanodevices"</i> Rolf Allenspach
18:30-19:30	Dinner
19:30-	Poster session

Day 03	14 September 2022
08:00-09:00	Breakfast
09:00-10:30	<i>"An Introduction to Design"</i> Leon Monschauer
	Coffee break
11:00-12:30	<i>"An Introduction to Design"</i> Leon Monschauer
12:30-14:00	Lunch
14:00-18:30	Leisure & team activities
18:30-19:30	Dinner

Day 04	15 September 2022
08:00-09:00	Breakfast
09:00-09:20	<i>"Homotopy transformations and 3D magnetic solitons"</i> Vladyslav Kuchkin
09:20-09:40	<i>"Field-controlled cascade of soliton layers in epitaxial MnSi"</i> Grace Causer
09:40-10:00	<i>"Room-temperature stabilization of surface magnetic textures in synthetic antiferromagnets"</i> Mona Bhukta
10:00-10:20	<i>"Geometry-induced motion of magnetic skyrmions"</i> Kostiantyn Yershov
	Coffee break
11:00-11:20	<i>"Spin dynamics of skyrmion lattices in a chiral magnet resolved by micro-focused Brillouin light scattering"</i> Riccardo Ciola
11:20-11:40	<i>"Ab-initio study of the topological Hall effect in magnetic skyrmions in Pd/Fe/Ir(111)"</i> Adamantia Kosma

11:40-12:10	Closing remarks
12:30-13:30	Lunch
	Departure