

CRC/TRR 173 + 270

Spin+X & HoMMage

Joint Summer School

5-8 May 2025



Exploring Magnetism
and Spins

Joint Summer School

SFB / TRR 173 + 270
Bonn 2025

CJD Bonn Castell

Room Information

Conference Room: K2
Group Room: SR5
Group Room: SR6

Arrival Information

CJD Bonn
Graurheindorfer Str. 149
53117 Bonn
Telefon: +49 (0) 228 98 96 0
www.cjd-bonn.de



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HoMMage

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DFG

Deutsche
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Agenda

Monday, 5th May 2025



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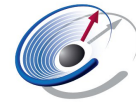
11:00	Arrival	
11:45	Initial Alignment – Registration & Overview Session	
12:15 – 13:30	Lunch break	
13:30 – 14:30	Chair I: Burcak Ekitli Chair II: Mehak Loyal	Introduction on CRC 270 HoMMage Speaker: Prof. Oliver Gutfleisch 45 min + 15 min discussion (Room: K2)
14:30 - 15:30	Chair I: Mehak Loyal Chair II: Burcak Ekitli	Introduction on CRC 173 Spin+X Speaker: Prof. Martin Aeschlimann 45 min + 15 min discussion (Room: K2)
15:30- 15:35	Group Photo	
15:35- 15:45	Coffee break	
15:45- 16:45	Pitch talks I (HoMMage) 1 min per student (Room: K2)	
16:45 – 18:00	Poster Session I (HoMMage) (Room: SR5 & SR6)	
18:00-19:30	Dinner	

Agenda

Tuesday, 6th May 2025



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7:00 - 9:00	Breakfast	
9:00 – 10:00	Chair I: Philipp Klafßen Chair II: Kuebra Kalkan	Permanent Magnets Speaker: Dr. Alex Aubert 45 min + 15 min discussion (Room: K2)
10:00 – 11:00	Chair I: Kuebra Kalkan Chair II: Philipp Klafßen	Computational design of the search of rare-earth reduced hard and soft magnets Speaker: Dr. Heike Herper 45 min + 15 min discussion (Room: K2)
11:00 – 11:15	Coffee break	
11:15 – 12:15	Chair I: Kuebra Kalkan Chair II: Mehak Loyal	Machine Learning and Micromagnetics for Permanent Magnet Design Speaker: Prof. Thomas Schrefl 45 min + 15 min discussion (Room: K2)
12:15 – 13:30	Lunch break	
13:30 – 14:30	Chair I: Ankhijur Sekh Chair II: Omar Ledesma	Role of angular momentum in ultrafast spintronics Speaker: Prof. Ulrich Nowak 45 min + 15 min discussion (Room: K2)
14:30 – 15:30	Chair I: Ankhijur Sekh Chair II: Johannes Puy	Spin dependent electron dynamics in magnetic systems: Basics and Applications to ferromagnets and altermagnets Speaker: Prof. Hans Christian Schneider 45 min + 15 min discussion (Room: K2)

Agenda

Tuesday, 6th May 2025



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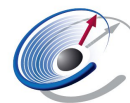


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15:30 – 15:45	Coffee break	
15:45 – 16:45	Chair I: Johannes Puy Chair II: Mehak Loyal	<i>Magnetocaloric Materials</i> Speaker: Dr. Tino Gottschall 45 min + 15 min discussion (Room: K2)
16:45 – 17:45	Chair I: Johannes Puy Chair II: Mehak Loyal	<i>Powder metallurgy and additive manufacturing of materials for electromagnetic applications</i> Speaker: Prof. Eduard Hryha 45 min + 15 min discussion (Room: K2)
18:00-19:30	Dinner	

Agenda

Wednesday, 7th May 2025

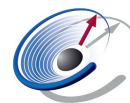


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7:00-9:00	Breakfast	
9:00 – 10:00	Chair I: Omar Ledesma Chair II: Ariyan Tavakoli	Activating spin functionalities at magnetic and non-magnetic organic/inorganic hybrid interfaces Speaker: Prof. Benjamin Stadtmüller 45 min + 15 min discussion (Room: K2)
10:00 – 11:00	Chair I: Ariyan Tavakoli Chair II: Javad Kamali	Exploring Spin Phenomena in Surface-Adsorbed Molecules via DFT+U Simulations Speaker: Dr. Andreas Windischbacher 45 min + 15 min discussion (Room K2)
11:00 – 11:15	Coffee break	
11:15 – 12:15	Chair I: Javad Kamali Chair II: Mehak Loyal	Magnonic and electronic spin transport Speaker: Prof. Akashdeep Kamra 45 min + 15 min discussion (Room: K2)
12:15 – 13:30	Lunch break	
13:30 – 14:30	Chair I: Ariyan Tavakoli Chair II: Burcak Ekitli	Time-resolved photoemission orbital tomography of organic interfaces Speaker: Prof. Ulrich Höfer 45 min + 15 min discussion (Room: K2)
14:30 – 15:30	Pitch talks II (Spin + X) 1 min per student (Room: K2)	
15:30 – 15:45	Coffee break	
15:45 – 18:00	Poster Session II (Spin + X) (Room: SR5 & SR6)	
18:00-19:30	Dinner	

Agenda

Thursday, 8th May 2025



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7:00-9:00	Breakfast	
9:00-9:30	Check out from hotel	
9:30 – 11:00	Chair I: Burcak Ekitli Chair II: Javad Kamali	Magnetic Microstructures Speaker: Prof. Rudolf Schäfer 75min + 15 min discussion (Room: K2)
11:00 – 11:15	Coffee break	
11:15 – 12:15	Chair I: Javad Kamali Chair II: Burcak Ekitli	Magnons and spins in complex environments: towards magnonic devices Speaker: Prof. Mathias Weiler 45 min + 15 min discussion (Room: K2)
12:15 – 13:30	Lunch break	
13:30 – 14:30	Chair I: Philipp Kläßen Chair II: Burcak Ekitli	The National Synchrotron Light Source II – A world-leading synchrotron facility to study magnetism and beyond Speaker: Dr. Thomas Feggeler 45 min + 15 min discussion (Room: K2)
14:30 – 14:45	Coffee break	
14:45 – 15:15	Chair I: Burcak Ekitli Chair II: Mehak Loyal	Group discussions/Closing session/ Feedback
15:15	Departure	

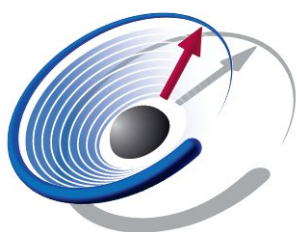


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