Mini-workshop: Superconductivity and correlations in reduced dimensions (realized with the IMPULZ project IM-2021-26 Superspin)

:Time table:

	Monday 03.10.		Tuesday 04.10.		Wednesday 05.10.	
9:30 - 10:00	registration/adminstrative duties					
09:50 - 10:40	Michael Barth	Chair: Denis	Mayra Alejandra de Jesús Peralta Arcia	Chair: Fero	Stefan Hartl & Benedikt Kopyciok	Chair: Tomáš
10:40 - 11:00	Coffee		Coffee		Coffee	
11:00 - 11:50	Tomáš Samuely		Paulo Eduardo Faria Junior		Martin Moško	
11:50 - 12:40	Andreas Costa		Benedikt Scharf		Djeylan Aktas	
12:40 - 14:00	Lunch/Coffee					
14:00 - 14:50	František Herman	Chair: Benni	Yaroslav Zhumagulov	Chair: Paulo	Andrej Gendiar	Chair: Paľo
14:50 - 15:40	Pavol Neilinger		Viera Skákalová		Ján Brndiar	
	networking/discussions/common/individual activities					
19:00	Dinner in Flagship		Dinner somewhere in the city		Farewell	

:Speakers and talks' titles:	
Michael Barth (Uni Regensburg, DE)	Introduction to tight-binding simulations with the Python package Kwant
Tomáš Samuely (Slovak Academy of Sciences, SK)	Ising superconductivity in 3D compounds
Andreas Costa (Uni Regensburg, DE)	Spin-orbit coupling assisted transport phenomena in superconducting magnetic tunnel junctions
František Herman (Comenius University, SK)	The advanced approach of the superconducting gap function extraction from tunneling experiments
Pavol Neilinger (Comenius University, SK)	Superconducting resonant traveling wave parametric amplifiers
Mayra Alejandra de Jesús Peralta Arcia (TU Dresden, DE)	Proximity effects in graphene heterostructures
Paulo Eduardo Faria Junior (Uni Regensburg, DE)	g-factor physics in solids
Benedikt Scharf (Duagon GmbH, DE)	Topological Superconductivity in Phase-Controlled Josephson Junctions
Yaroslav Zhumagulov (Uni Regensburg, DE)	Robust polaritons in magnetic monolayers of CrI3
Viera Skákalová (Universität Wien, AT)	Synthesis and exotic properties of 2D materials embedded in Graphene
Stefan Hartl & Benedikt Kopyciok (Uni Regensburg, DE)	Flux quantization effects in superconducting antidot lattices

Martin Moško (Slovak Academy of Sciences, SK)	Altshuler-Aronov effect in weakly disordered metals with weak electron-electron interaction: Beyond the low energy limit
Djeylan Aktas (Slovak Academy of Sciences, SK)	Fully meshed quantum networks
Andrej Gendiar (Slovak Academy of Sciences, SK)	Introduction to Tensor Networks: Theory and Applications
Ján Brndiar (Slovak Academy of Sciences, SK)	Polarons (and excitons) in polar crystal: Rutile case study