

520011 SE Advances in magnonics (2025W)

Mondays, 09:30 - 11:00 Kurt-Gödel-Hörsaal, Boltzmanngasse 5, EG, 1090 Wien

Date	Speakers/protocol	Topic
6.10.	• AC: good output this year • We have two guests: Prof. L'Vov until Oct. 8th, Prof. Hillebrands Oct. 11th-19th • RS and AV are planning to defend this year, DS next year end of April • Magnonics 2027 will be held in VIENNA • Please visit faculty colloquia • FV is planning and coordinating teaching • SI and JH as new interns • IS and Hannah will join as master student • Battery disposal at Hofer • PdR admin presentation • Christmas cleaning! • windows replaced, laser safety around optical tables • TALK BY ROSTY, Oct. 16th • If you need samples either ask experienced users or get introduction in Brno Updates: • DS: cryo-BLS • PR: specialization • BV: improve signal on PSSWS for	

	inverse-design, test pulse generator/oscilloscope • CS: PPMS measurements being evaluated, vacation!, manuscript in work • PJ: assembling MOKE • GP: simulation for parametric amplification, memory issues..., meeting with CA, CEITEC next week, FMR setup • KD: CEITEC last week, measurements for FB • FM: issues with antennas, new antennas not very good..., CEITEC next week, inverse-design antennas in progress • JH: contact person FV and GP • SK: paper writing, teaching has started well	
13.10. 09:15–11:00	Prof. B. Hillebrands, Erwin-Schrödinger-HS, Boltzmannngasse 5, 5th floor	Fundamentals and Bose–Einstein Condensation
14.10 12:45–14:15	Additional Seminar: Prof. B. Hillebrands Seminarraum 1, Boltzmannngasse 5, 1st floor	Magnonic Supercurrents, Accumulation Phenomena
20.10.	Update • AC: Covid going around, old stuff in 3365 will be picked up soon, FV treasurer now -> ask FV for budget • MOKE update: check shock wave sensors, magnet tested • FMR update: everything back in working order • BLS update: measurements with Sabri -> not much signal, BLS will be busy for next	

	weeks • KL: article accepted, choose CC-BY not CC-BY-NC for licensing (especially for FWF funding!, contact open access office when in doubt, visited ChiroMag workshop (chiral magnets) • SK: lab course in January, please take care of the sensitive pliers, put pliers in box and label them, busy with publishing • KD: PSWS on thick YIG, but antennas are peeling off, problems with picoprobe stages, CEITEC next week to help, nonmagnetic EKSMA or Standa stage? • CS: literature review, VDSP science day visit • DS: thermal signal at RT in cryo-BLS, need to measure coherently, but due to small propagation length and sample alignment issues, close cryostat on wednesday, measurement plan is set, AOM was ordered • BV: some measurements started, when placing loop PCB on sample strange losses happen • RS: perspectives paper submitted, thesis writing, VDSP science talk went very well	
27.10.	CANCELLED	
03.11.	Update: • Prof. Saito will visit • Prof. Tyberkevych will be guest professor for 2 months from mid of February, there will be a VU course (2x per week + practice meeting on magnonics) • Visit of John Tadayeski on Thursday	

	(https://www.entanglement.com/) • Ok to move PandaSim now? • Arxiv crosslinks to actual publications • We have nature electronics access • AC: phd thesis writing, show expertise and knowledge, Introduction -> Theoretical background (as deep as possible but of course focussed on your work) -> methodology (important for other people to read and repeat experiments, explain in detail), show depth and broadness in phd thesis, own choice if cumulative or not, 3 first author publications is sufficient for cumulative (more of course better), rule of thumb: first part before cumulative part about 50 pages, if cumulative thesis: if open access add open access paper version, otherwise arxiv paper Talk by Fabian Majcen: Inverse-design antennas	
10.11.	Talk by Andrey Voronov: Phd rehearsal	
17.11.	Talk by Gyandeep Pradhan	
24.11.	Talk by Rosty Serha: PhD rehearsal	
01.12.	Pedro - organisation of Long Night of Research 2026. Talk by Philipp Jäger	
15.12.	Helena will come to say hello! Luca will present how QT labbook is developed. Seb will present how NanoMag back-up server is organised and the lab book policy in the group.	

12.01.	Talk by Boris Valenta	
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19.01.	David Schmoll?	-