



综合极端条件实验装置
SYNERGETIC EXTREME CONDITION USER FACILITY



President's International
Fellowship Initiative
国际交流计划

MagRes-2026

Magnetic Resonance of Correlated Electron Materials



Conference Manual

Huairou, Beijing
September 7-12, 2026

Organizers:

Mladen Horvatic (LNCMI-CNRS, Grenoble, France)

Guo-qing Zheng (Okayama University, Japan)

Rui Zhou (IOP-CAS, Beijing, China)

The members of the program committee:

Nicholas Curro (UC Davis, USA)

Yuji Furukawa (Iowa State University/Ames National Laboratory, USA)

Hans-Joachim Grafe (IFW-Dresden, Germany)

Takashi Imai (McMaster University, Canada)

Kenji Ishida (Kyoto University, Japan)

Marc-Henri Julien (LNCMI-CNRS, Grenoble, France)

Hannes Kühne (HZDR, Germany)

Avinash V. Mahajan (IIT Bombay, Mumbai, India)

Vesna Mitrovic (Brown University, USA)

Tao Wu (USTC, Hefei, China)

Andrej Zorko (University of Ljubljana, Slovenia)

Dear Participants,

Welcome to the Conference on Magnetic Resonance of Correlated Electron Materials (MagRes-2026). In this manual, we would like to present you some of the basic information on the conference.

1. Dates

September 7 - 12, 2026

2. Venue

FUNCTION 2 (多功能厅 2), 5th Floor

Qihu Hotel (北京栖湖饭店), Huairou, Beijing



3. Hotel

(1) Qihu Hotel (北京栖湖饭店)

Address: No. 11 Yanxiu Road, Huairou District, Beijing. (北京市怀柔区雁秀路 11 号)

Phone: 010 6166 0888

(2) Swan Lake View Hotel (北京中建雁栖湖景酒店)

Address: No. 1 Yanxiu Road, Huairou, Beijing. (北京市怀柔区雁秀路 1 号)

Phone: +86-10-69663366

4. Registration

Time	Location
September 7	Lobby, Qihu Hotel

5. Meals

Time	Meal	Location
September 7	Dinner (Buffet)	ALL DAY DINING (芸 全日餐厅), 1 st Floor, Qihu Hotel
September 8	Lunch (Buffet)	
	Dinner (Buffet)	
September 9	Lunch (Buffet)	
	Dinner (Banquet)	BALLROOM 1(宴会厅 1), 3 rd Floor, Qihu Hotel
September 10	Lunch (Buffet)	ALL DAY DINING (芸 全日餐厅), 1 st Floor, Qihu Hotel
	Dinner (Buffet)	
September 11	Lunch (Buffet)	
	Dinner (Buffet)	
September 12	Lunch (Buffet)	

** If you stay in **Qihu Hotel**, breakfast is served with the hotel room card in ALL DAY DINING (芸 全日餐厅) at 1st Floor of the hotel from 7:00 a.m. to 9:00 a.m.*

** If you stay in **Swan Lake View Hotel**, breakfast is served with the hotel room card in Yanming Hall (雁鸣厅) at 1st Floor of the hotel from 7:00 a.m. to 9:00 a.m.*

6. Secretaries

Registration and Accommodation: Jia Wei 魏佳 (IOP, CAS) +86-17882085203

Transportation and Meal: Yufei Han 韩宇飞 (IOP, CAS) +86-18237115917

Venue: Yixiao Ding 丁逸骁 (IOP, CAS) +86-18612924317

Coordination: Rui Zhou 周睿 (IOP, CAS) +86-18618396723

7. Supporting Organizations



8. Transportation

Upon arrival at Beijing Capital Airport, you may take a taxi to the conference hotel. On September 7, our staff will be at the airport to welcome you and assist with taxi arrangements.



9. The Great Wall at Mutianyu

The Great Wall at Mutianyu is one of the best-preserved and most impressive sections of the Ming Dynasty Great Wall. Located in Beijing's Huairou District, it winds along scenic mountain ridges and is renowned for its well-preserved watchtowers, beautiful natural surroundings, and remarkable architecture. Opened to visitors in the 1980s, Mutianyu has become one of the most popular sections of the Great Wall, offering breathtaking views and a more peaceful atmosphere than many other sites. As an outstanding example of ancient Chinese military engineering, it represents the rich history, culture, and architectural achievements of China and attracts visitors from around the world.

The visit to the Mutianyu Great Wall requires a self-paid ticket of **200 RMB per person**, which includes the **entrance ticket, round-trip shuttle bus tickets between the scenic area entrance and the inner scenic zone, and round-trip cable car tickets**. The ticket allows visitors to conveniently access the Great Wall area and enjoy the spectacular mountain scenery and historical sites along the route.



Scientific Program

Day 1

Tuesday Morning, September 8, 2026

Time	Speaker & Talk Title	Chair
09:00-09:30	Opening Ceremony	
09:30-10:00	Mladen Horvatic (LNCMI, CNRS, France) Revisiting magnetization plateaus in SrCu ₂ (BO ₃) ₂ by high-field NMR	Rui Zhou (Institute of Physics, CAS, China)
10:00-10:30	Weiqiang Yu (Renmin University of China, China) NMR Probe for Spinon Excitations in Quantum Magnets	
Break (30 minutes)		
11:00-11:30	Kentaro Kitagawa (ISSP, Univ. of Tokyo, Japan) Wide-Field Optically Detected Magnetic Resonance under Pressure for Imaging Superconductivity	Weiqiang Yu (Renmin University of China, China)
11:30-12:00	Gang-qin Liu (Institute of Physics, CAS, China) High-Pressure NMR and Quantum Sensing Enabled by Diamond Nitrogen-Vacancy Centers	
12:00-14:00	Lunch	

Tuesday Afternoon, September 8, 2026

Time	Speaker & Talk Title	Chair
14:00-14:30	Yoshihiko Ihara (Department of Physics, Faculty of Science, Hokkaido University, Japan) Magnetic excitations above 1/3 magnetization plateau in kagome antiferromagnet	Mladen Horvatic (LNCMI, CNRS, France)
14:30-15:00	Mihael Grbic (University of Zagreb, Croatia) BKT correlations in the quantum kagome compound Cs ₂ Cu ₃ SnF ₁₂	
15:00-15:30	Long Ma (High Magnetic Field Laboratory, CAS, China) Design of a DDS-based high-field NMR spectrometer and its applications in quantum magnetic material research	
Break (30 minutes)		

16:00-16:30	Fabrice Bert (Université Paris-Saclay, France) Highly frustrated magnetism in Y-kapellasite under extreme conditions	Yoshihiko Ihara (Hokkaido University, Japan)
16:30-17:00	Matej Pregelj (Jožef Stefan Institute, Slovenia) Muon Site Dynamics Imitating Fractional Spin Excitations in a Quantum Spin Chain	
17:00-17:20	Rajesh Jana (Center for High Pressure Science and Technology Advanced Research (HPSTAR), China) Structural Instabilities in Mn ₄ Nb ₂ O ₉ and Co ₄ b ₂ O ₉ : Comparative Insights into the Role of Local Structure	
17:20-19:30	Dinner	

Day 2

Wednesday Morning, September 9, 2026

Time	Speaker & Talk Title	Chair
09:00-09:30	Andrej Zorko (Jožef Stefan Institute, Slovenia) Intrinsic versus defect magnetism in a kagome quantum spin liquid	Hans-Joachim Grafe (IFW-Dresden, Germany)
09:30-10:00	Lei Shu (Fudan University, China) Persistent spin dynamics: What is going on?	
10:00-10:30	Kirill Povarov (Helmholtz-Zentrum Dresden-Rossendorf, Germany) Magnetic properties and spin dynamics in Cu ₂ (OH) ₃ Br	
Break (30 minutes)		
11:00-11:30	Georgios Papavassiliou (National Center for Scientific Research “Demokritos”, Greece) Disorder as a tuning parameter in Kitaev Quantum Materials	Lei Shu (Fudan University, China)
11:30-12:00	Hans-Joachim Grafe (IFW-Dresden, Germany) From Antiferroelectricity to Low-Dimensional Magnetism: NMR Studies of CuCrP ₂ S ₆ and AgCrP ₂ S ₆	
12:00-12:30	Seung-Ho Baek (Changwon National University, Republic of Korea) Microscopic evidence for a Zhang-Rice triplet state in the van der Waals antiferromagnet, NiPS ₃	
12:30-14:00	Lunch	

Wednesday Afternoon, September 9, 2026

Wednesday Afternoon, September 9, 2015		
Time	Speaker & Talk Title	Chair
14:00-14:30	Gediminas Simutis (Paul Scherrer Institute, Switzerland) Uniaxial tuning of La-based cuprates	Andrej Zorko (Jožef Stefan Institute, Slovenia)
14:30-15:00	Damjan Pelc (University of Zagreb, Croatia) Strongly underdoped cuprates: new insights from NMR	
15:00-15:30	Hidekazu Mukuda (Osaka University, Japan) Spin configuration in spin-density-wave order phase in La ₃ Ni ₂ O ₇ revealed by ¹³⁹ La-NMR/NQR probes	
15:30-16:00	Martin Klanjsek (Jožef Stefan Institute, Slovenia) NMR of Kitaev-like quantum spin liquids in honeycomb magnets	
16:00-18:00	Posters	
18:00-19:30	Banquet	

Day 3**Thursday Morning, September 10, 2026**

Thursday Morning, September 16, 2010		
Time	Speaker & Talk Title	Chair
09:00-09:30	Tao Wu (University of Science and Technology of China, China) Probing Magnetism and Local Exchange Interactions in Infinite-Layer Nickelates via ^{139}La and ^{17}O NMR	Kenji Ishida (Kyoto University, Japan)
09:30-10:00	Yongkang Luo (Huazhong University of Science and Technology, China) Disentangling the critical fluctuations in heavy-fermion quantum criticality	
10:00-10:30	Jun Luo (Institute of Physics, CAS, China) NQR studies of microscopic structure, density waves in bilayer and trilayer nickelates	
Break (30 minutes)		

11:00-11:30	Kenji Ishida (Kyoto University, Japan) Spin degrees of freedom in spin-triplet superconductor UTe ₂	Tao Wu (University of Science and Technology of China, China)
11:30-12:00	Shunsaku Kitagawa (Kyoto University, Japan) Superconducting parity transition due to sublattice degrees of freedom in the heavy-fermion superconductor CeRh ₂ As ₂	
12:00-12:30	Seigo Ogawa (Okayama University, Japan) ⁷⁵ As-NMR Study of Multiple Phases in the Spin-Triplet Superconductor K ₂ Cr ₃ As ₃	
12:30-14:00	Lunch	

Thursday Afternoon, September 10, 2026

Thursday Afternoon, September 16, 2026		
Time	Speaker & Talk Title	Chair
14:00-14:30	Hironori Sakai (Japan Atomic Energy Agency, Japan) Spin-Fluctuation Anisotropy and Electronic Inhomogeneity in Ce- and Yb-Based Correlated-Electron Compounds: An NMR Perspective	Takeshi Mito (the University of Hyogo, Japan)
14:30-15:00	Shinji Kawasaki (Okayama University, Japan) Sb-NQR study of uniaxial-strain-tuned nodal superconductivity in the charge-ordered kagome metal CsV ₃ Sb ₅	
15:00-15:20	Xuyang Feng (Institute of Physics, CAS, China) Unconventional superconductivity and loop-current order in kagome metal CsV ₃ Sb ₅	
15:20-15:40	Wang Yu (University of Science and Technology of China, China) Unconventional density-wave state in Ruddlesden–Popper nickelate La ₄ Ni ₃ O ₁₀	
15:40-16:00	Vaibhav Singh (Indian Institute of Technology Bombay, India) Magnetic and electronic properties of the spin = 5/2 two-dimensional honeycomb system SrFeSnP ₃ O ₁₂	
16:00 - 18:00	Lab tour of SECUF and poster	
18:00-19:30	Dinner	

Day 4

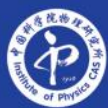
Friday Morning, September 11, 2026

Time	Speaker & Talk Title	Chair
09:00-09:30	Takeshi Mito (the University of Hyogo, Japan) Recent Progress in NMR Studies of Rare-Earth Hexaborides REB ₆	Giacomo Prando (Università degli Studi di Pavia, Italy)
09:30-10:00	Matjaž Gomilšek (Jožef Stefan Institute, Slovenia) Anisotropy and Spin Dynamics in Centrosymmetric Skyrmion Hosts	
10:00-10:30	Linpeng Nie (University of Science and Technology of China, China) Unveiling single-layer-like electronic correlations in bulk 1T-TaS ₂	
Break (30 minutes)		
11:00-11:30	Giacomo Prando (Università degli Studi di Pavia, Italy) Magnetic clusters in the paramagnetic phase of a high-temperature ferromagnetic metal-organic framework	Shinji Kawasaki (Okayama University, Japan)
11:30-11:50	Wassilios Papawassiliou (ENS Lyon, France) Detection of Dirac/Weyl Fermions via electron-states resolved NMR crystallography	
11:50-12:10	Takuto Fujii (University of Hyogo, Japan) Anisotropic Exchange Coupling in the Magnetic Topological Semimetal α -EuP ₃	
12:10-12:30	Lixuan Zheng (Fuzhou University, China) NMR Evidence of Flat-Band Destructive Interference in a Kagome Lattice	
12:30-14:00	Lunch	

Friday Afternoon, September 11, 2026

Time	Speaker & Talk Title	Chair
14:00-14:30	Yi Zhou (Institute of Physics, CAS, China) Bogoliubov sum rule and the Knight-shift ellipsoid in spin-locked superconductors	Guo-qing Zheng (Okayama University, Japan)
14:30-15:00	Jiaming Wang (University of Toronto, Canada) Mapping the local spin dynamics of disordered materials using inverse Laplace transform $1/T_1$ analysis	
15:00-15:20	Shuo Li (Institute of Physics, CAS, China) NMR and NQR study on the multipolar order in heavy fermion Superconductor CeRh_2As_2	
15:20-15:40	Saikat Nandi (Tsung-Dao Lee Institute, Shanghai Jiao Tong University, China) Microscopic Behavior in quasi-two-dimensional Altermagnets: Vanadium-Based Oxyselenides	
15:40-16:10	Closing Summary	
17:30-19:30	Dinner	

Recording Paper



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