

Live Streaming Webinar Q&A Sessions

Invited and Oral Talk Question and Answer Sessions provide valuable opportunities to stay connected and ask questions of authors. Be sure to view presentations prior to the scheduled Q&A sessions so that you can be better prepared with your questions. Every Invited and Oral Talk presenter will include a 10-minute time slot for Q&A.

Thursday, July 16 Q&A Webinar I

| Times | Final ID # | First Name | Last Name | Affiliation | Talk Title | Session Title |
|---------------------------------------|------------|------------|------------|--|---|---|
| 1:30 pm - 1:40 pm | B04.02.01 | Aashish | Sapkota | Brookhaven National Laboratory | Signatures of Coupling between Spin Waves and Dirac Fermions in YbMnBi ₂ | B04.02 – Magnetism in Low-Dimensional Systems |
| 1:40 pm - 1:50 pm | B04.02.02 | Simon | Riberolles | Ames Laboratory, Iowa State University of Science and Technology | Determination of the Magnetic Order in the EuIn ₂ As ₂ , an Axion Insulator Candidate | |
| WITHDRAWN 1:50 pm - 2:00 pm | B04.02.03 | Lei | Ding | Oak Ridge National Laboratory | Neutron Diffraction Insights in Magnetic Topological Insulators MnBi ₂ nTe _{3n+1} | |
| 2:00 pm - 2:10 pm | B04.02.04 | Bing | Li | Ames Laboratory, Iowa State University of Science and Technology | Spin Waves in the Antiferromagnetic Topological Insulator MnBi ₂ Te ₄ and MnSb ₂ Te ₄ | |
| 2:10 pm - 2:20 pm | B04.02.05 | Almut | Schroeder | Kent State University | Short-Range Magnetic Correlations in the Disordered Ferromagnetic Alloy Ni-V Close to the Quantum Critical Point | |

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| 2:20 pm - 2:30 pm | B04.02.06 | Lazar | Kish | University of Illinois at Urbana-Champaign | Mesoscale Magnetic Structure of Spinel Ferrimagnets | |
| 2:30 pm - 2:40 pm | B04.02.07 | Adrian | Merritt | University of Colorado | Giant Electron-Phonon Coupling of the Breathing Plane Oxygen Phonons in the Dynamic Stripe Phase of $\text{La}_{1.67}\text{Sr}_{0.33}\text{NiO}_4$ | |
| 2:40 pm - 2:50 pm | B04.02.08 | Qiang | Zhang | Louisiana State University, Oak Ridge National Laboratory | Quasi-Two-Dimensional Magnetism and Unusual Intermediate Spin State of Tetrahedral Co^{4+} in Ba_2CoO_4 | |
| 2:50 pm - 3:00 pm | F02.01.01 | Maria | Okuniewski | Purdue University | Microstructural Evolution During the Fabrication Processes of Metallic Nuclear Fuels | F02.01 – Structural Materials and Engineering |
| 3:00 pm - 3:10 pm | F02.01.03 | Andrew | Allen | National Institute of Standards and Technology | Neutron Scattering Studies of Rheological and Microstructural Development in Hydrating Cements for Additive Manufacturing of Concrete | |
| 3:10 pm - 3:20 pm | F02.01.04 | Hubert | King | ExxonMobil Research and Engineering | Imaging Hydrogen in Metals Using Neutron Tomography | |
| 3:20 pm - 3:30 pm | F02.01.05 | Matthew | Connolly | National Institute of Standards and Technology | Deep Convolutional Neural Network for Reconstruction of Strain Tensors from Transmission Bragg Edge Measurements | |
| 3:30 pm - 3:40 pm | F02.01.06 | Guan-Rong | Huang | Oak Ridge National Laboratory | Two-Point Spatial Correlation Functions of Paracrystals with Radial Symmetry | |
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| 3:40 pm - 3:50 pm | F02.01.07 | Luc | Dessieux | Oak Ridge National Laboratory | Single Crystal to Polycrystal Neutron Transmission Simulation | |
| 3:50 pm - 4:00 pm | B05.01.01 | I-Lin | Liu | University of Maryland, National Institute of Standards and Technology | Quantum Oscillations from Networked Topological Interfaces in a Weyl Semimetal | B05.01 – Topological Materia |
| 4:00 pm - 4:10 pm | B05.01.02 | Yu | Tao | University of Virginia | Observation of a Td-1T' Structural Phase Transition at Ambient Pressure in Weyl Semimetal WTe2 | |
| 4:10 pm - 4:20 pm | B05.01.03 | John | Schneeloch | University of Virginia | Changes in Interlayer Phonons with Stacking Variation in Mo1-xWxTe2 | |
| 4:20 pm - 4:30 pm | B05.01.04 | Ryan | Need | University of Florida | Correlating Magnetic Structure and Magnetotransport in Thin Films of the Weyl Semimetal Eu1-xSmxTiO3 | |
| 4:30 pm - 4:40 pm | B05.01.05 | Mingda | Li | Massachusetts Institute of Technology | Giant Neutron Response in Topological Nodal Semimetals and Topological Superconductors | |
| 4:40 pm - 4:50 pm | B05.01.06 | Yaohua | Liu | Oak Ridge National Laboratory | Ideal Imperfection for Tuning Magnetic Ground States of van der Waals Quantum Materials | |
| 4:50 pm - 5:00 pm | B05.01.07 | Stuart | Calder | Oak Ridge National Laboratory | Magnetic Interactions in the 2D Layered van der Waals Semiconductor CrPS4 | |
| 5:00 pm - 5:10 pm | B05.02.01 | Ryan | Stadel | Argonne National Lab, Northern Illinois University | Identifying and Solving Weak Magnetic Phases in LaFeAs1-xPxO Superconductors with Neutron Powder Diffraction | B05.02 – Superconductors and Other Materials |

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| 5:10 pm - 5:20 pm | B05.02.02 | Depei | Zhang | Oak Ridge National Laboratory | Magnetic Structures in the Vicinity of the Pressure-Induced Superconducting Phase in CeNiC ₂ |
| 5:20 pm - 5:30 pm | B05.02.03 | Keith | Taddei | Oak Ridge National Laboratory | Hidden Hydrogen and a Spin-Glass to Superconducting Transition in Quasi-1D KCr ₃ As ₃ |
| 5:30 pm - 5:40 pm | B05.02.04 | Jian Rui | Soh | EPFL | Ground State Magnetic Structure of Mn ₃ Ge |
| 5:40 pm - 5:50 pm | B05.02.06 | Bianca | Haberl | Oak Ridge National Laboratory | Synthesis and Characterization of Metastable Functional Phases of Germanium |
| 6:00 pm - 6:10 pm | B05.02.07 | Iyad | Al-Qasir | University of Sharjah | Vacancy-Driven Variations in the Phonon Density of States of Fast Neutron Irradiated Nuclear Graphite |
| 6:10 pm - 6:20 pm | B05.02.08 | Ganesh | Pokharel | The University of Tennessee | Spin Excitations in Multiferroic Skyrmion Host GaV ₄ S ₈ |

A - Advances in Neutron Facilities, Instrumentation and Software
B - Hard Condensed Matter
C - Soft Matter
D - Biology and Biotechnology
E - Materials Chemistry and Energy
F - Structural Materials and Engineering
G - Emerging Applications and Neutron Scattering in Engineering, Arts and Sciences
H - Neutron Physics