

## 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.

### Tuesday, July 14 Q&A Webinar I

Times	Final ID #	First Name	Last Name	Affiliation	Talk Title	Session Title
1:30 pm - 1:40 pm	F03.01.01	Adrian	Brügger	Columbia University	Using Neutron Diffraction to Safeguard Suspension Bridges against Deterioration and Fire	F03.02 – Structural Materials and Engineering I
1:40 pm - 1:50 pm	F03.01.02	Chuting	Tan	Idaho National Laboratory	Characterizing the Effects of Varying Additive Manufacturing Parameters on Stainless Steel 316L	
1:50 pm - 2:00 pm	F03.01.03	Kenneth	Littrell	Oak Ridge National Laboratory	A Novel Iron Based Superalloy—Using Sans and Apt to Inform Alloy Development	
<b>WITHDRAWN</b> 2:00 pm - 2:10 pm	F03.01.04	Haiyan	He	City University of Hong Kong	In Situ Neutron Diffraction Study of Deformation Induced Phase Transformation in CoCrNi Alloy at Ultralow Temperature	
<b>WITHDRAWN</b> 2:10 pm - 2:20 pm	F03.01.05	Rajiv	Mishra	University of North Texas	In Situ Investigation of $\gamma \rightarrow \epsilon$ Phase Transformation in Low Stacking Fault Energy Transforming High Entropy Alloys	

2:20 pm - 2:30 pm	F03.01.06	Koichi	Taniguchi	JFE Steel Corporation	Residual Stress and Microstructure Evolutions in a Friction Stir Processed on Dual Phase 980 Steel	
2:30 pm - 2:40 pm	F03.01.07	Muyuan	Li	University of Delaware	Understanding Ethylene Adsorption on Zeolites with Neutron Diffraction	
2:40 pm - 2:50 pm	B03.01.01	Colin	Sarkis	Colorado State University	Unravelling Competing Microscopic Interactions at a Phase Boundary—A Single Crystal Study of the Metastable Antiferromagnetic Pyrochlore Yb <sub>2</sub> Ge <sub>2</sub> O <sub>7</sub>	B03.01 – Student Spotlight
2:50 pm - 3:00 pm	B03.01.02	Danielle	Yahne	Colorado State University	Pseudo-Spin Versus Magnetic Dipole Moment Ordering in the Isosceles Triangular Lattice Material K <sub>3</sub> Er(VO <sub>4</sub> ) <sub>2</sub>	
3:00 pm - 3:10 pm	B03.01.03	Joseph	Joe	University of Minnesota Twin Cities	Magnetic Properties of the Doped Mott Insulator YTiO <sub>3</sub>	
3:10 pm - 3:20 pm	B03.01.04	Sajna	Hameed	University of Minnesota Twin Cities	Influence of Plastic Deformation on the Structural, Transport and Magnetic Properties of Strontium Titanate	
3:20 pm - 3:30 pm	B03.01.06	Sharon	Philip	University of Virginia	Local Atomic Correlations in 1T-TaS <sub>2</sub> -2xSe <sub>2</sub> x across the CDW Phases	
3:30 pm - 3:40 pm	B03.01.07	Tyler	Sterling	University of Colorado Boulder	First Principles Study of the Phonons in an Undoped Insulating Cuprate	
3:40 pm - 3:50 pm	B03.01.08	Yaokun	Su	University of California, Riverside	Anomalous Magnetic Structure and Dynamics in FeGe <sub>2</sub>	

3:50 pm - 4:00 pm	E03.01.01	Xiao	Hu	University of Virginia	Crystal Structures and Rotational Dynamics of a Two-Dimensional Metal Halide Perovskite (OA) <sub>2</sub> PbI <sub>4</sub>	E03.01 – Materials Chemistry and Energy II
4:00 pm - 4:10 pm	E03.01.02	Alexandra	Koegel	Colorado State University	Correlating White Light Emission and Structural Dynamics in Layered Hybrid Perovskites	
4:10 pm - 4:20 pm	E03.01.03	Shuonan	Chen	University of California, Riverside	Giant Low-Temperature Anharmonicity in Silicon Nanocrystals	
4:20 pm - 4:30 pm	E03.01.04	Ahli	Willie	Harbin Engineering University	Lattice Thermal Conductivity Evaluation of Burnup Degradation on Heterogeneous Mixed Oxide Fuel	
4:30 pm - 4:40 pm	E03.01.05	Corey	Randall	Colorado School of Mines	Quantification and Observation of the Carbon-Nafion Interface for PEM Fuel Cells Using Neutron Reflectometry	
4:40 pm - 4:50 pm	B03.02.01	Ingrid	Hallsteinsen	Norwegian University of Science and Technology, Lawrence Berkeley National Laboratory	Using a Combination of Neutron and X-Ray Reflectometry to Reveal Complex Antiferromagnetic Canting Structures in Oxide Heterostructures	B03.02 – Nanomaterials and Layered Thin Films
4:50 pm - 5:00 pm	B03.02.02	Kathryn	Krycka	National Institute of Standards and Technology	Probing Room Temperature Magnetism in Nano-MnCr <sub>2</sub> O <sub>4</sub> Spinel Using Polarization-Analyzed vSANS	
5:00 pm - 5:10 pm	B03.02.03	Edwin	Fohtung	Rensselaer Polytechnic Institute	Strain vs Charge Mediated Magnetoelectric Coupling across the Magnetic Oxide/Ferroelectric Interfaces	

5:10 pm - 5:20 pm	B03.02.05	Junjie	Yang	New Jersey Institute of Technology	Magnetoelectric Coupling and Magnetic Structure of $\text{RbFe}(\text{SO}_4)_2$	
5:20 pm - 5:30 pm	B03.02.06	Randy	Fishman	Oak Ridge National Laboratory	Model for Multiferroic $(\text{NH}_4)_2\text{FeCl}_5(\text{H}_2\text{O})^*$	

**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**