

2025 CHESS User Meeting

Tuesday, June 3, 2025

Science Talks: Where Materials Meet Mission: SMB's Evolution for Defense and Industrial Measurements - Kelly Nygren - Lead Scientist SMB, CHESS and Adjunct Assistant Professor, Sibley School of Mechanical and Aerospace Engineering. (1:00 PM - 1:25 PM)

Science Talks: Long-standing Collaboration Between CHESS and the NIST-led Additive Manufacturing Benchmark Test Series (AM Bench) - Lyle Levine - National Institute of Standards and Technology (NIST) (1:25 PM - 1:50 PM)

Science Talks: Critical Structural Parameter Determining Magnetic Phases in the Fe₂Mo₃O₈ Altermagnet System - Trevor Tyson - New Jersey Institute of Technology (2:00 PM - 2:25 PM)

Science Talks: Large moiré superstructure of stacked incommensurate charge-density waves - Alfred Zong, Stanford University (2:25 PM - 2:50 PM)

Science Talks: Revealing Functional Hotspots: Temperature-Dependent Crystallography of K-RAS Highlights Allosteric and Druggable Sites - Sam Deck - Cornell University (3:00 PM - 3:25 PM)

Science Talks: Small Angle X-ray Scattering of Interactions of Monoclonal Antibodies at High Concentration for Drug Discovery and Development - Keith Johnston - University of Texas at Austin (3:25 PM - 3:50 PM)