

SEES-FORCE 2026 Joint Meeting

Day 1: Monday, August 10

8:30 AM – Breakfast

9:00 AM – Opening Remarks

9:30 AM - 10:30 AM – Session 1: Earth and Planetary Interiors

- Yingwei Fei – “Advances in Developing Static High-Pressure Devices for Synthesis and In-Situ Measurements” (Invited)
- Ekanshu Mallick – “Sulfur-Driven Phase Equilibria and Melting Relations in Mercury’s Reduced, FeO-Poor Mantle”
- Xuehui Wei – “Equation of State of Mg₂FeH₆ Perovskite and Its Implications for Sub-Neptune Interiors”

Coffee and Snack Break

10:45 AM - 11:45 AM – Poster Cameos

Lunch Break

1:15 PM - 3:15 PM – Session 2: FORCE

Coffee and Snack Break

3:30 PM - 5:30 PM – Poster Session + FORCE Discussion

5:45 PM - 8:00 PM – Group Photo and Dinner

Day 2: Tuesday, August 11

8:30 AM – Breakfast

9:00 AM - 11:00 AM – Session 3: SEES

Coffee and Snack Break

11:15 AM - 12:15 PM – Session 4: FAIR Data Management Discussion

Lunch Break



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1:45 PM - 3:15 PM – Session 5: Early Career Presentations

- Biao Wang – “Effect of Iron Oxidation State on Post-Perovskite Elasticity at Earth’s Lowermost Mantle Conditions”
- Lindsay Harrison – “Elastic and Volumetric Properties of Vitreous SiO₂ under Shockless Dynamic Compression”
- Luisa Chavarria – “Effect of Sodium Incorporation on Structure of Magnesio-wüstite (Mg, Fe)O”
- Abdul Haseeb Manayil Marathamkottil – “X-ray Diffraction and Electrical Transport Imaging of Superconducting Superhydride (La,Y)H₁₀”
- Laura Jimenez Arcia – “Synchrotron-Based Micro-CT Observations of Mixing-Controlled Hotspots in Porous Media”
- Brian Gulick – “Laboratory and Synchrotron Ultrasonic Investigations into the Elastic Tensor and Aggregate Moduli of BCC Transition Metals”

Coffee and Snack Break

3:30 PM - 5:00 PM – Poster Session

Day 3: Wednesday, August 12

8:30 AM – Breakfast

9:00 AM - 10:00 AM – MAP Cell Assembly Discussion

Coffee and Snack Break

10:15 AM - 11:30 AM – Session 6: Emerging Capabilities

- Jiyong Zhao – “Update of the Nuclear Resonant Scattering Beamlines at APS”
- Augustin Braun – “Mechanistic Insight into the High Pressure Synthesis of Nanodiamonds and Silicon Carbide from in situ X-ray Diffraction”
- Maksim Yakovlev – “Micro- and Nano-Tomography Reconstruction Correction for Motion Prone Datasets in Earth Science”
- Edwin Rivas Meraz – “In-situ Oxidation of Iron Sulfide and Humic Acid with Fe L-edge and C K-edge STXM”
- Yanbin Wang – “PIPS-2025: An Updated Practical Pressure Scale for the Large-Volume Presses”

11:30 AM – Closing Remarks

Lunch Boxes

12:30 PM - 6:00 PM – Tour of the Advanced Photon Source, Argonne National Laboratory*

*Limited to attendees who registered in advance



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