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”
- *Withdrawn*

Coffee and Snack Break

10:45 AM - 11:45 AM – Poster Cameos

Lunch Break

1:15 PM - 3:15 PM – Session 2: FORCE

- Tom Sharp – "FORCE Project Update"
- Tomoo Katsura – “Advances in Multi-Anvil Technology and Their Applications to Deep Earth Science" (Invited)
- Sibo Chen – "FORCE Technical Update"
- Allison Pease – "Applying TWISTER to Study Planetary Cores under Static and Dynamic Compression"
- Leah Shteynman – "The FORCE High Pressure Summer School"
- Tom Sharp – "Facility Operation and Funding Models"

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

- Mark Rivers (Overview and GSECARS tomography); Matthew Whitaker (NSLS-II and 6BM LVP); Tony Yu (GSECARS LVP); Vitali Prakapenka (GSECARS DAC); Bora Kalkan (ALS hard X-ray); Zhenxian Liu (NSLS-II IR spectroscopy); Joanne Stubbs (GSECARS surface and interface diffraction); Tony Lanzirotti (GSECARS and SSRL microprobe); Kyounglim Kang (ALS SYSTER)

Coffee and Snack Break

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

Lunch Break

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

- *Withdrawn*
- Lindsay Harrison – “Elastic and Volumetric Properties of Vitreous SiO2 under Shockless Dynamic Compression”
- Luisa Chavarria – “Effect of Sodium Incorporation on Structure of Magnesiowüstite (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 - 5:30 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