

SEES-ISRDL Joint Meeting - Poster Session

#	Presenter	Title
1	Katherine Armstrong	A Simple Wire-Coil Resistive Heater for High Temperature Radial X-Ray Diffraction in a Diamond Anvil Cell
2	Subham Bose	Quantifying Stress and Strain Heterogeneity in Multi-Axially-Loaded Rocks With X-Rays
3	Alexa Cabrera	Synthesis, Structure and Stability of a Novel 2H-Azirine Under Pressure
4	Jac-wain Campbell	Carbon Sequestration
5	Bin Chen	Pushing Temperature Limits of Externally-Heated Diamond Anvil Cell
6	Haiyan Chen	APS 6BM-B Beamline: A Workhorse for Rock and Mineral Deformation
7	Qi Chen	In-Situ Viscosity and Structure Measurements of H ₂ O-Rich Alkaline-Silicate Liquids: Implications for Seafloor Hydrothermal Circulation
8	Birhanmeskel Haddis Woldemichael	Micromechanics of Fluid-Induced Fault Reactivation From 4D X-Ray Microtomography
9	Travis Hager	Fabric, Fractures, and Flow of Deformed Yates Amphibolite From Ex-Situ and In-Situ X-Ray Tomography
10	Clayton Halbert	Towards High Entropy Tellurides: Structure and Equation of State of Ge _{1/3} In _{1/3} Te
11	Jiasen Hu	The Single-Crystal Elastic Properties of Fe-Rich Diopside in Martian Mantle
12	Michael Hu	Nuclear Resonant Scattering Studies in Geosciences at APS IXN Group
13	Bora Kalkan	Advancing Synchrotron-Based Earth and Environmental Science (SEES) at the Advanced Light Source Through an NSF Funded Community Driven Organization
14	Shreya Kanakiya	Pressure-Induced Poroelastic Changes in Hydrothermally Altered Volcanic Rocks
15	Kyounglim Kang	Application of Scanning Transmission X-Ray Microscopy at ALS to Chemical Image of Marine Iron Colloids
16	Divyanshu Lal	Evolution of Particle Shape and Its Influence on Crushing Patterns: A CT-FE Mapping Approach
17	Barbara Lavina	Crystalline Forsterite to 160 GPa, the Striking Metastability of One of Universe's Most Abundant Minerals
18	Sydney Licata	Exploring Ancient Silica-Rich Crust Production on the Moon Through Ti Coordination in Lunar Zircons
19	Tommaso Mandolini	Slow Faulting Under Elevated Pore Fluid Pressure Generating a Fluids Conduit at Depth
20	Naghme Mehraeen	Plastic Shakedown in Thermo-Mechanically Loaded Granular Media
21	Natalia Nevskaya	Water Effect on Transient Creep in Olivine: In-Situ Synchrotron Deformation Experiments
22	Tim Officer	Scaling Relations Between High Pressure, High Temperature Transformational Faulting Experiments and Natural Seismicity

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23	Yoshiyuki Okuda	Thermal Equation of State and Tetragonal–Cubic Transition in Ca-Pure and Ti-Bearing Davemaoite
24	Juliana Peckenpaugh	Solubility of Carbon in Fe-Si Alloys Under Mercury’s Core Conditions
25	Francois Renard	Shear Faulting and Gouge Production in Granite Under Passive Confinement During Dynamic Compression
26	Vitali Prakapenka	The 13ID-D High Pressure Beamline Upgrade: New Opportunities for Earth Science and Beyond
27	Edwin Rivas Meraz	Synchrotron Spectromicroscopy of Carbon, Iron, and Sulfur in Prairie Pothole Sediments and Iron Sulfide Minerals
28	Mark Rivers	In-Situ Capabilities for Computed Microtomography at SEES Facilities at the APS
29	Megan Ryan	Investigating the 3-D Melt Morphology and Permeability of Melt Channels Formed During Reaction Infiltration Experiments
30	Young Jay Ryu	Recent and Future Development in Extreme Conditions Research at GSECARS 13BMD
31	Young Jay Ryu	CaSiO ₃ Glass Under Pressure: Structural Evolution, Elastic Response, and Comparison With SiO ₂ and MgSiO ₃ Glasses
32	Ayman Said	High-Energy-Resolution Inelastic X-Ray Scattering Spectrometer at the Advanced Photon Source (30-ID)
33	Wenhao Su	In-Situ Deformation of Antigorite-Olivine Two-Phase Mixtures: Implications for the Dynamics and Seismic Anisotropy in the Mantle Wedge
34	Harrison Todd	Characterizing Inclusions in Early Earth Zircons With Micro-Computed Tomography
35	Taryn Traylor	The Effect of Stress on P- and S-Wave Velocities at High Pressure and Temperature in Alumina
36	Chandima Wekumbura Wekumbure Gedara	Effect of Organic and Inorganic Phosphorus Amendments on Changing Lead Speciation and Bioaccessibility
37	Anthony Wendel	Seismic Properties of Basal Cambrian Sandstones: Implications for Seismic Monitoring of Geological Storage and Sequestration
38	Maksim Yakovlev	Reconstruction Correction for Low-Signal, Artifact-Prone High Temperature and Pressure Micro-Tomography Datasets in Earth Science
39	Tony Yu	Characterizing Albite Melt Under Pressure: “Quasi-Simultaneous” Density, Tomography, and Structure Measurements
40	Tony Yu	Large-Volume High-Pressure Research at GSECARS, Advanced Photon Source
41	Dongzhou Zhang	Diamond Anvil Cell Program at GSECARS After APS-U
42	Bin Zhao	Electrical Conductivity of Disordered CaCO ₃ at Mantle Conditions
43	Cijin Zhou	A Laser Heating System for High-Pressure Nuclear Resonant Scattering at 3-ID, APS