

Room 223

First Talk Session

9:30 - 9:45 Karissa Vermillion - Cenozoic Thermal Evolution of the Western San Gabriel Mountains, southern CA: Insights from Apatite Fission Track Thermal Modeling

9:45 - 10:00 Makenna Harris - How Charcoals Record Grassland Fires in the Stratigraphic Record: A Case Study from the 2024 Windy Deuce Fire in the Texas Panhandle

10:00 - 10:15 Isabela Garcia – Unraveling the Seismic History of SW Montana: Implications for Hazard Along Red Rock Fault

10:15 - 10:30 Asmara A. Lehrmann - Tidally influenced interactions between the glacial grounding zone, substrate, and ocean recorded in channels and small moraines on the seafloor offshore of the Dotson Ice Shelf, Antarctica

10:30 - 10:45 Jamie Jetton - Turbidite Signals in Nearshore Sediments of the Larsen-A Ice Shelf

Second Talk Session

11:00 - 11:15 Poorna Srinivasan - Compositional and isotopic evaluation of gases generated from hydrous pyrolysis of coal

11:15 - 11:30 Nina Zamani Faulty Assumptions: Decoding Seismic Deformation in Carbonates through Mineral Reactions

11:30 - 11:45 Sarah Garcia - Effects of Water Level Fluctuations and Floodplain Inundation on Sediment Deposition and Organic Carbon Burial in the Delta of Elephant Butte Reservoir, New Mexico

11:45 - 12:00 Kennedy Potter - Subaqueous Carbon Sequestration in Elephant Butte Reservoir, New Mexico

Room 634

First Talk Session

9:30 - 9:45 Andres Galindo – Thermal Evolution and Source Rock Maturity Assessment of the Mahanadi Basin, India Using 1D Basin Modeling

9:45 - 10:00 Shawn Fields - Provenance and Paleogeography of the Vantage Sandstone, Central Washington, USA

10:00 - 10:15 Fnu Anshika - Method development for analysis of Phthalate emissions (plastic additives) in air using comprehensive two-dimensional gas chromatography.

10:15 - 10:30 Nabeel Muhammedy - Investigating the Mechanical Properties of Aletai Meteorite

10:30 - 10:45 Hadi Zanganeh Kia - High-Resolution CFD Framework for Urban Air Pollution Modeling

Second Talk Session

11:00 - 11:15 Semko Momeni - Unlocking Uncharted Territory: The First Satellite-Based Assessment of Ammonia Emissions Over Open Water

11:15 - 11:30 Oussama Romdhani - The Role of Turbulence Parametrization in Convective Self-Aggregation over the Greater Houston Area

11:30 - 11:45 Breno Goldenberg Araujo - Differentiating turbidites and contourites in a Miocene-Pleistocene deep-water drift deposit, offshore West Antarctica

11:45 - 12:00 Alexei Ignatiev – Cretaceous opening of the Canada Basin (High Arctic): New Constraints from regional gravity and magnetic data