



2022 BASIN AND RANGE EARTHQUAKE SUMMIT —
Agenda for Monday, October 17, 2022
Geology

Registration and meeting details at <https://geology.utah.gov/BRES22>

The 2022 Basin and Range Earthquake Summit (BRES) will be a hybrid remote and in-person meeting.

8:00 Welcome

Session 1: Significant Recent Earthquakes in the Basin and Range
Session Conveners: Alex Hatem, Rich Koehler, Zach Lifton

8:10 *Geologic Setting and Geologic Effects of the March 2020 Mw 5.7 Magna, Utah, Earthquake; Adam Hiscock and Adam McKean, Utah Geological Survey*

8:30 *Field Response and Surface-Rupture Characteristics of the 2020 M6.5 Monte Cristo Range Earthquake, Central Walker Lane, Nevada; Rich Koehler, Nevada Bureau of Mines and Geology*

8:50 *Tectonic Background of the 2020 Mw6.5 Stanley, Idaho Earthquake and a Summary of Current Work; Zach Lifton, Idaho Geological Survey*

9:10 Break (10 min)

9:30 *The 2020 Mw5.8 Lone Pine, Eastern California, Normal-Faulting Earthquake Sequence; Egill Hauksson, Caltech*

9:50 *Mapping of Potentially Active Faults in the vicinity of the 2019 Ridgecrest Earthquake Ruptures, California; Jessica Thompson Jobe, U.S. Geological Survey*

10:10 Discussion

10:20 Poster Session

12:00 Lunch (1 hour)

Session 2: Investigations of Low Slip-Rate Faults in the Basin and Range
Session Conveners: Alex Hatem, Rich Koehler, Zach Lifton

1:00 *Timing of Mead Slope Fault Ruptures, Lake Mead Area, Arizona; Jeri Young Ben-Horin, Arizona Geological Survey*

1:20 *Late Quaternary Slip Rates and Surface Rupture of the Bitterroot Fault, Western Montana; Yann Gavillot, Montana Bureau of Mines and Geology*

1:40 *Paleoseismic Investigation of the South Granite Mountains Fault, Central Wyoming; Seth Wittke, Wyoming State Geological Survey*

2:00 Break (10 min)

- 2:10 *Faults on the Fringe: New Mapping of Discreet Faults in Northwest Wyoming*; **James Mauch**, Wyoming State Geological Survey
- 2:30 *Evidence For Quaternary Activity on the Deadwood-Reeves Creek Fault, West-Central Idaho*; **Lucy Piety**, U.S. Bureau of Reclamation
- 2:50 *Geologic Mapping, Geochronology, and Fault Characterization in the Las Vegas Basin*; **Seth Dee**, Nevada Bureau of Mines and Geology
- 3:10 Discussion
- 3:20 Poster Session
- 5:00 Adjourn

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