



# GSA 2017

EARTHSOPE RELATED SESSIONS (TALKS AND POSTER)

## Sunday Oct 22

### Topical Sessions

[29-1: INSIGHTS INTO MIDCONTINENT \(USA\) TECTONICS AND SEISMICITY FROM THE QIINK EARTHSOPE FLEXARRAY EXPERIMENT](#)

08:00 AM - 08:20 AM, The Conference Center - Tahoma 5

[29-2: CRUSTAL STRUCTURE AND VERTICAL MOVEMENTS OF THE UPPER MISSISSIPPI EMBAYMENT AND OZARK UPLIFT](#)

08:20 AM - 08:35 AM, The Conference Center - Tahoma 5

[29-4: POSSIBLE CAUSES OF LOW VELOCITY IN THE UPPER MANTLE BENEATH THE MISSISSIPPI EMBAYMENT](#)

08:50 AM - 09:05 AM, The Conference Center - Tahoma 5

[29-8: STRUCTURE OF THE CRUST AND MANTLE LITHOSPHERE BENEATH THE CENTRAL APPALACHIANS: RESULTS FROM THE MAGIC EXPERIMENT](#)

10:05 AM - 10:25 AM, The Conference Center - Tahoma 5

[27-12: INTEGRATION OF 3D VISUALIZATION AND GEOCHRONOLOGY AS A FOUNDATION TO 4D EARTH MODELS](#)

11:15 AM - 11:30 AM, The Conference Center - Tahoma 4

[57-1: TOMOTECTONIC CONSTRAINTS ON ASSEMBLY OF CORDILLERAN NORTH AMERICA SINCE PANGAEA BREAKUP](#)

01:30 PM - 01:45 PM, The Conference Center - Tahoma 4

[46-6: DEVELOPING AN ONLINE SEISMOLOGY COURSE FOR ALASKA](#)

03:05 PM - 03:20 PM, Washington State Convention Center - Room 2B

[62-4: SYNERGY IN TSUNAMI SCIENCE AND OUTREACH TO BUILD RESILIENT COMMUNITIES IN ALASKA](#)

04:40 PM - 05:00 PM, The Conference Center - Tahoma 2

## Posters

[74-8: GRAVITY TRANSECTS ACROSS THE SALMON RIVER SUTURE ZONE, WESTERN IDAHO](#)

09:00 AM - 05:30 PM Washington State Convention Center - Halls 4EF

[74-13: EARTHQUAKE SOURCE PARAMETER AND FOCAL MECHANISM ESTIMATES FOR THE WESTERN QUEBEC SEISMIC ZONE IN EASTERN CANADA](#)

09:00 AM - 05:30 PM, Washington State Convention Center - Halls 4EF

[89-1: CARBONACEOUS FAULT-RELATED ROCKS IN SAFOD PHASE III CORE: INDICATORS OF FLUID-ROCK INTERACTION AND STRUCTURAL DIAGENESIS DURING SLIP](#)

09:00 AM - 05:30 PM, Washington State Convention Center - Halls 4EF

[89-3: CHEMICAL CHARACTERIZATION OF SAFOD PHASE 3 CORE](#)

09:00 AM - 05:30 PM, Washington State Convention Center - Halls 4EF

## Monday Oct 23

### Topical sessions

[114-2: EARTHQUAKE PETROLOGY: INSIGHTS INTO FAULT SLIP LOCALIZATION AND FAULT HEATING VIA MICRO X-RAY FLUORESCENCE MAPPING AND X-RAY ABSORPTION NEAR EDGE SPECTROSCOPY](#)

08:15 AM - 08:30 AM, The Conference Center - Tahoma 2

[148-12: LARGE VERTICAL OFFSETS OF MOHO COINCIDE WITH MAJOR MESOZOIC TRANSFORM FAULTS IN NORTHERN ALASKA](#)

04:40 PM - 05:00 PM, The Conference Center - Tahoma 3

## Posters

[163-6: ON THE CUTTING EDGE AS THE SOURCE OF AN EXPANDING WAVE OF BENEFIT](#)

09:00 AM - 06:30 PM, Washington State Convention Center - Halls 4EF

## Tuesday Oct 24

### Topical sessions

[247-5: ISOLATING LONG-TERM TRANSIENTS IN CASCADIA GPS DATA USING A SEASONAL-TREND DECOMPOSITION PROCEDURE](#)

02:45 PM - 03:00 PM, The Conference Center - Tahoma 5

[247-6: PBO BOREHOLE STRAINMETERS OBSERVE OVER A DECADE OF EPISODIC TREMOR AND SLIP ALONG THE CASCADIA SUBDUCTION ZONE: SOUTHERN VANCOUVER ISLAND, BC, CANADA THROUGH OLYMPIA, WA, USA](#)

03:00 PM - 03:15 PM, The Conference Center - Tahoma 5

## Posters

[258-10: FROM PRESERVATION TO PUBLIC COMMUNICATION: YELLOWSTONE NATIONAL PARK GIP JOINT INTERNSHIP, 2016](#)

09:00 AM - 06:30 PM, Washington State Convention Center - Halls 4EF

[264-1: TOOLS FOR EDUCATIONAL ACCESS TO SEISMIC DATA AND DATA PRODUCTS](#)

09:00 AM - 06:30 PM, Washington State Convention Center - Halls 4EF

[281-4: MONITORING ACTIVE CRUSTAL FAULTS IN WASHINGTON](#)

09:00 AM - 06:30 PM, Washington State Convention Center - Halls 4EF

[288-4: ESTIMATING FAULT ZONE MATURITY AT THE PLATE BOUNDARY SCALE USING TEMPLATE MATCHING FOR FAULT SCARP DETECTION AND MORPHOLOGIC DATING](#)

09:00 AM - 06:30 PM, Washington State Convention Center - Halls 4EF

[288-17: THE INFLUENCE OF METASOMATIC ALTERATION ON THE FRICTIONAL PROPERTIES OF SERPENTINITE-BEARING GOUGE IN THE BARTLETT SPRINGS FAULT, NORTHERN CALIFORNIA](#)

09:00 AM - 06:30 PM, Washington State Convention Center - Halls 4EF

## Wednesday Oct 25

### Topical Sessions

[321-8: AN INTEGRATED TECTONIC AND MAGMATIC HISTORY OF THE INTERIOR REGION OF THE PACIFIC NORTHWEST: THE SIGNIFICANCE OF SYRINGA EMBAYMENT](#)

10:05 AM - 10:25 AM, The Conference Center - Tahoma 4

## Posters

[348-5: SEISMIC CONSTRAINTS ON GEOTHERMAL RESOURCES BENEATH THE WESTERN AND CENTRAL SNAKE RIVER PLAIN](#)

09:00 AM - 06:30 PM, Washington State Convention Center - Halls 4EF