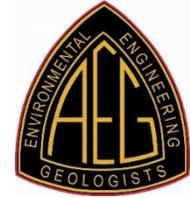




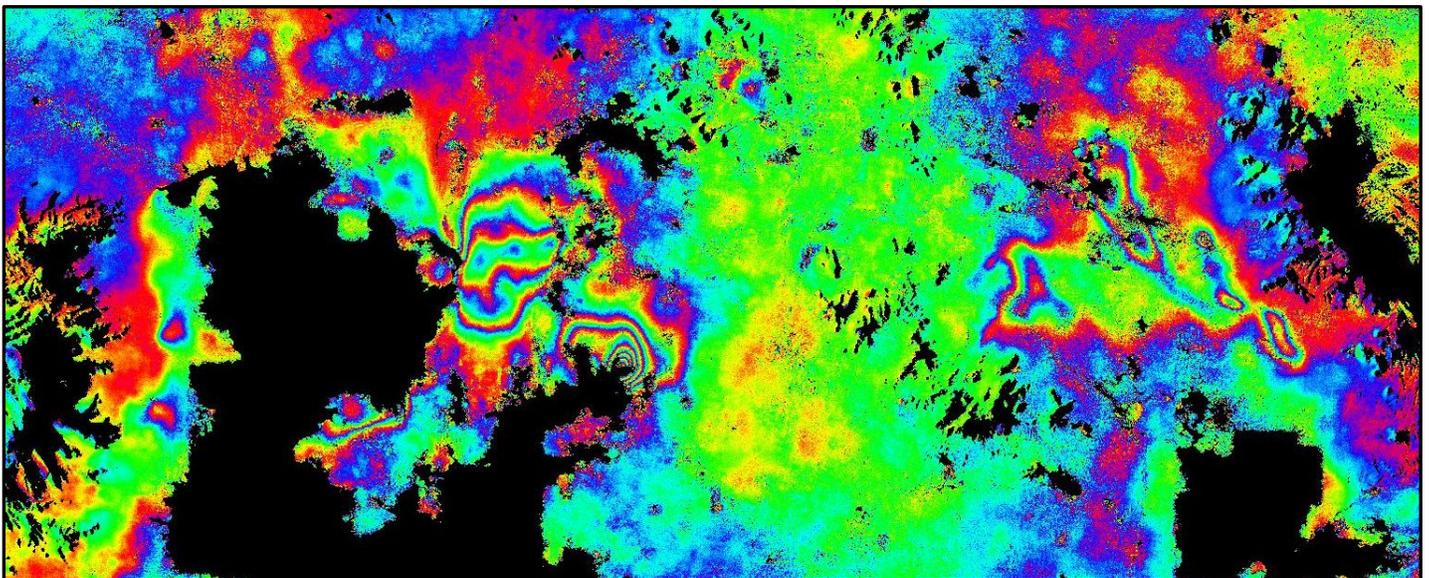
ASU Arizona State University



**Final Meeting of the
UNESCO-IGCP641 Project**

November 4-6, 2019

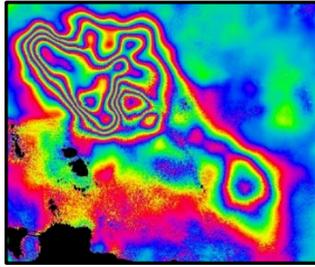
Land Subsidence & Earth Fissure Workshop



Tuesday, November 5, 2019
Arizona State University Memorial Union
236 Mohave Room
Land Subsidence and Earth Fissure Workshop

Time	Presenter	Title of Presentation
7:00 AM	Registration/Breakfast	Registration/Breakfast
8:00 AM	AEG/ASU/ Dr. Dora Carreon Freyre	Welcome/Opening Remarks
8:20 AM	Joe Cook	Mapping and Monitoring Earth Fissures in Arizona; a Man-made Geohazard
8:40 AM	Brian Conway	Land Subsidence in Arizona and Monitoring by the Arizona Department of Water Resources
9:00 AM	Dr. Bibhuti Panda	Prediction of Subsurface Deformation Using Interferometric Synthetic Aperture Radar (INSAR) and Groundwater Drawdown data
9:20 AM	Dr. Shujun Ye	Earth fissures caused by extensive aquifer exploitation in China and the numerical simulation of Wuxi case
9:40 AM	Pietro Teatini	Modeling the development of ground ruptures by a FE/IE approach
10:00 AM	Break	Break
10:20 AM	Mike Carpenter	Continuous Monitoring of an Earth Fissure in Chino, California—A Management Tool
10:40 AM	Dr. Dora Carreon Freyre	Classification of ground fractures associated to land subsidence in the Iztapalapa Region, Mexico City.
11:00 AM	Mike Rucker	Site-Specific Characterization of an Earth Fissure impacting Infrastructure, with Prediction of Potential Future Fissuring
11:20 AM	Lunch with Presentation Danielle Smilovsky	Lunch Using a Time Series InSAR Analysis to Understand and Characterize the Peoria Subsidence Bowl at 71 st Avenue and Olive Avenue
12:20 PM	Scott Neely	Identification and Mitigation of an Earth Fissure: Various Locations in Arizona
12:40 PM	Ken Ferguson	Earth Fissures and Infrastructure: A Case History at the Siphon Draw Detention Basin, Apache Junction, Arizona
1:00 PM	Tad Niemyjski and Jim Lemmon	Investigating Highway Structures near the Willcox Playa
1:20 PM	Break	Break
1:40 PM	Grace Carlson	Groundwater extraction in California's Central Valley changes crustal stress patterns: A focus on earth fissure risk and seismicity modulation
2:00 PM	Michelle Sneed	Water Availability and Land Subsidence in California's San Joaquin Valley
2:20 PM	AEG/ASU	Closing Remarks

Wednesday, November 6, 2019
Arizona State University
Gammage Theatre Parking Lot
Land Subsidence and Earth Fissure Field Trip



Time	Field Trip Stop
9:00 AM	Leave ASU Gammage Theatre Parking Lot
10:00 AM	Hawk Rock Earth Fissure at Baseline Rd and Meridian Rd
11:00 AM	Methods for Detecting Earth Fissures/Seismic Refraction Demonstration at the Powerline Flood Control Structure
12:00 PM	Lunch
1:00 PM	Earth Fissure Impact on a Flood Control Structure at Syphon Draw
3:00 PM	Arrive at Gammage Theatre Parking Lot

