ASSOCIATION OF ENVIRONMENTAL
& ENGINEERING GEOLOGISTS

INLAND EMPIRE CHAPTER

NOVEMBER 2026 MEETING ANNOUNCEMENT

Greetings AEG Inland Empire Chapter Members

We hope you will join us for our 10th 2026 AEG Inland Empire meeting. The meeting will be held Wednesday, November 11th, at the Luna Modern Mexican Kitchen in Corona. This is our "SOUTH" venue in our roving AEG-IE meeting locations. Looking forward to seeing you there!

Meeting date: **Wednesday, November 11, 2026**

Location: **Luna Modern Mexican Kitchen**
980 Montecito Drive, Suite 110
Corona, CA 92879



Time: 5:30 pm Social Hour
6:30 pm Dinner
7:30 pm Presentation

Cost: $45 per person with advance online registration for AEG members,
$50 without registration (RSVP or at the door) and non-members,
$10 for students with a valid student ID and current AEG Student membership.

Food: A modern take on traditional Mexican cuisine

RSVP: **Register and pay online at our website: https://aeg-ie.org/meeting**

Please register prior to 12 P.M. on Monday November 9th

Topics and speakers:

"Exploring the influence of Carboniferous tectonics on sediment transport through detrital zircon geochronology and thermochronology"

Tandis Bidgoli, Ph.D.
Department of Geological Sciences,
California State University, San Bernardino

See more presentation details on following page

November 2026

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"Exploring the influence of Carboniferous tectonics on sediment transport through detrital zircon geochronology and thermochronology"

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ABSTRACT

Late Mississippian to Early Pennsylvanian tectonic and climatic shifts transformed the U.S. midcontinent from a stable carbonate shelf into a clastic dominated system. Using sandstone compositions and detrital zircon U Pb ages paired with more than 100 (U Th)/He dates, this study evaluates how the Alleghanian–Ouachita–Marathon and Ancestral Rocky Mountains (ARM) orogens shaped sediment provenance along proposed transcontinental dispersal routes. Chesterian–Morrowan valley fill sandstones in the Hugoton Embayment in Kansas and Chesterian–Desmoinesian Arkoma shelf sandstones in Missouri record the onset of a major Late Mississippian sediment routing system tied to the Alleghanian orogeny, followed by Early Pennsylvanian provenance shifts signaling disruption by ARM related intraplate deformation. Results also underscore key considerations for applying U Pb–He double dating in orogenic settings, particularly the influence of regional hydrothermal systems on zircon He ages.

SPEAKER BIO

Tandis Bidgoli is an Associate Professor in the Department of Geological Sciences at California State University, San Bernardino. Before joining CSUSB in 2022, she worked as a scientist with the Kansas Geological Survey and later served as faculty in the Department of Geological Sciences at the University of Missouri. Her research focuses on reconstructing temporal and spatial patterns of strain to better understand the mechanisms and drivers of deformation and landscape evolution. She is committed to strengthening the geoscience profession and currently serves on the Geological Society of America Council.