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## **EDUCATION**

Ph.D. Geology (with Honors), University of Kansas, Lawrence, KS, 2014  
M.S. Geoscience, University of Nevada, Las Vegas, NV, 2005  
B.S. Geoscience, San Francisco State University, San Francisco, CA, 2002

## **PROFESSIONAL EXPERIENCE**

Assistant Professor, Cal State University, San Bernardino – Dept. of Geological Sciences, 2022-present  
Assistant Professor, University of Missouri – Department of Geological Sciences, 2018-2022  
Assistant Scientist, University of Kansas – Kansas Geological Survey, 2014-2018<sup>#</sup>  
Research & Teaching Assistant, University of Kansas, 2010-2013<sup>#</sup>  
Geoscientist, ExxonMobil Corporation, 2005-2013 (educational leave 2010-2013)  
Neotectonic Researcher, University of Nevada, Las Vegas, 2004-2005  
Teaching Assistant & Instructor, University of Nevada, Las Vegas, 2002-2004  
Intern, San Francisco Bay Regional Water Quality Control Board, 2001-2002  
*<sup>#</sup>Maternity leave for portion of appointment*

## **OTHER APPOINTMENTS**

Adjunct Assistant Professor, University of Missouri – Department of Geological Sciences, 2022-present  
Adjunct Assistant Professor, University of Cincinnati – Department of Geology, 2018-present  
Courtesy Assistant Professor, University of Kansas – Department of Geology, 2014-2022  
Adjunct Assistant Professor, Kansas State University – Department of Geology, 2016-2019

## **RESEARCH GRANTS**

Total Awarded to Date as PI/Co-PI: \$4.14 million

### **Current Support (\$682,368)**

1. National Science Foundation, 09/15/25-09/14/28, REU Site: DEsigning Sedimentation and Tectonics Research Experiences for Student Success (DE-STRESS), **\$534,754** (\$381,647 to CSUSB) (Principal Investigator; Co-PI Dan Sturmer, UCin) [**AWARD PENDING**]
2. California State University – San Bernardino, Office of Student Research – Summer Research Program, 06/01/25-08/31/25, “Exploring validity of physiographic roughness and surface reflectance from remote sensing for relative age assignment of Quaternary surfaces in arid environments”, **\$15,700** (Principal Investigator)
3. Catalytic Investment on Research and Innovation Seed [CiRIS] Program, 01/01/2025-05/31/2026, “Exploring the influence of long-term slip rates on landscape evolution and hazards of the San Andreas fault system, southern California”, **\$32,500** (Principal Investigator)
4. U.S. Geological Survey – EDMAP Program, 09/14/24-09/13/25, “Geometry, kinematics, and slip history of the Mission Creek and Banning faults between Thousand Palms Canyon and Biskra Palms Oasis, southern California”, **~\$55,959** (Principal Investigator)
5. Vital and Expanded Technologies Initiative, 07/01/24-06/30/25, “Augmented Reality Sandbox for Interactive and Multi-Sensory Geoscience Learning Experiences”, **\$43,455** (Co-PI with Claire Todd)

### **Expired Support at CSUSB and Prior Institutions**

1. U.S. Geological Survey – EDMAP Program, 09/14/23-12/12/24, “Geometry, kinematics, and slip history of the Elsinore fault in the northern Santa Ana Mountains, southern California”, **\$58,611** (Principal Investigator)

2. National Science Foundation – Tectonics, 01/15/22-12/31/24, “EAGER: Using machine learning to develop a calibrated, remote sensing-based age model to improve late Quaternary slip-rate estimates in arid environments, **\$175,182** (Principal Investigator, Co-PIs Francisco Gomez and Sean Polun)
3. California State University – San Bernardino, Office of Student Research – Summer Research Program, 06/01/24-08/31/24, “Exploring the kinematic roles of the Owl Lake and Brown Mountain faults on the slip history of the eastern Garlock fault, **\$15,700** (Principal Investigator)
4. U.S. Geological Survey – Earthquake Hazard Program, 08/01/22-01/31/24, “Investigation of paleoliquefaction of the Grand River Tectonic Zone (central Missouri)”, **\$88,504** (Co-PI with Francisco Gomez)
5. California State University – San Bernardino, Office of Student Research – Summer Research Program, 06/01/23-08/31/23, “Evaluating temporal and spatial variability in slip rates along the southern San Andreas fault, **\$20,500** (Principal Investigator)
6. U.S. Geological Survey – EDMAP Program, 05/25/22-05/24/23, “Structural style and exhumation history of the Frisco thrust sheet, Sevier fold-thrust belt, Utah”, **\$54,915** (Principal Investigator)
7. University of Missouri – Research Council, 08/01/20-07/31/22, “Assessing the viability of small shelly fossils as (U-Th)/He thermochronometers”, **\$10,000** (Principal Investigator)
8. American Chemical Society – Petroleum Research Fund: Doctoral New Investigator Grant, 09/01/18– 08/31/21, “Conodont thermochronology: Expanding the utility of the (U-Th)/He method to marine carbonates and shales”, **\$110,000** (Principal Investigator)
9. U.S. Department of Energy, 09/01/18 – 08/31/20, “Integrated Midcontinent Stacked Storage Hub”, **\$243,866** (subcontract to MU; original award as Principal Investigator of **\$1,375,717** at KU)
10. U.S. Department of Energy, 03/15/2017 – 09/15/2018, “Integrated CCS for Kansas (ICKan)”, **\$1,484,096** (Principal Investigator, Co-PI M. Dubois)
11. U.S. Geological Survey – STATEMAP, 07/01/17 – 06/31/18, “Geologic Mapping in Kansas for FY17”, **\$155,731** (PI: Greg Ludvigson)
12. United States Geological Survey – Earthquake Hazards Program, 05/01/16-04/30/17, “Mapping subsurface lineaments, present-day stresses, and brine disposal data in southern Kansas: A new approach for identifying areas at risk for injection-induced seismicity, **\$75,091** (Principal Investigator)

**Recommended for Funding by Panels** [proposals were not funded due to federal budget constraints]

1. National Science Foundation – GEOPaths, 08/01/21-07/31/24, “GP-IN: Building geoscience career pathway from Missouri metro-area community colleges through 4-year universities, **\$354,033** (Co-PI with Francisco Gomez, Stephen Graves, Noel Aloysius; submitted in 2021)
2. United States Geological Survey – Earthquake Hazards Program, 08/15/20 to 08/14/21, “Developing a physics-based earthquake hazard model for injection-induced seismicity in the US midcontinent”, **\$64,673** (Principal Investigator; submitted in 2019)
3. United States Geological Survey – Earthquake Hazards Program, 05/18/20 to 05/17/21, “Investigating injection-induced earthquake hazards in the US midcontinent using InSAR”, **\$81,480** (Principal Investigator; submitted in 2019)
4. United States Geological Survey – Earthquake Hazards Program, 01/01/16 to 12/31/16, “Developing community outreach and emergency management tools for potentially induced seismicity in south-central Kansas”, **\$75,111** (Principal Investigator, submitted in 2015)

**STUDENT RESEARCH GRANTS & SCHOLARSHIPS (\$91,750 IN TOTAL AWARDS)**

Joseph M. Patterson Fellowship, 2011-2013, \$32,000/yr

D.A. McGee Geology Scholarship, 2013, \$2000

Phillips Petroleum Scholarship, 2013, \$750

GSA/ IUGS, Early Career Scientist Grant, 2012, \$3000

American Association of Petroleum Geologists, Grants-In-Aid, 2003 & 2012, \$3000 total

Geological Society of America, Student Research Grant, 2003 & 2012, \$5000 total

University of Kansas, Doctoral Research Scholarship, 2012, \$2000

Ernest E. Angino Geochemistry Scholarship, 2012, \$3000

Encana Energy Scholarship, 2011, \$1500  
 University of Kansas, Travel Scholarship, 2011, \$500  
 University of Nevada, Las Vegas, GREAT Assistantship, 2004, \$3000  
 Bernada E. French, Geoscience Scholarship, 2003 and 2004, \$3000 total  
 University of Nevada, Las Vegas, Graduate Student Association, Research Grant, 2003, \$500  
 SF State University, College of Science and Engineering, Student Project Fund Award, 2001, \$500

## PUBLICATIONS (\*indicates student advisee; †corresponding author)

### Refereed Publications

1. Lee, J., **Bidgoli, T.S.**, Walker, J.D., Stockli, D.F., and Cosca, M., *in prep.*, Low-Temperature Thermochronology of the Sierra Nevada and Evidence for Early Uplift and Unroofing: *Journal of Geology*.
2. Ward, D., Sturmer, D., **Bidgoli, T.S.**, and Hammer, S., *in prep.*, New cosmogenic <sup>36</sup>Cl profiles ages confirm a Last Glacial Maximum age for Blackhawk Landslide, CA, USA: *Geology*.
3. \*Zhao, Q., Zhu, H., †**Bidgoli, T.S.**, Zhou, X., Yang, X., Liu, Q., and Wang, W., *in press*, Cenozoic sedimentary records from eastern offshore China reveal crucial evidence for the birth of the Yangtze River: *Marine and Petroleum Geology*.
4. \*Polun, S. and **Bidgoli, T.S.**, 2024, Introducing PyFaultSlip: A free and open-source tool for the assessment of induced fault slip hazards from deep fluid injection: *Computers & Geoscience*, doi: 10.1016/j.cageo.2024.105813.
5. \*Wang, W., Yang, X., Zeng, Z., and **Bidgoli, T.S.**, 2023, Exploring the roles of sediment provenance and igneous activity on the development of synrift lacustrine source rocks, Pearl River Mouth Basin, northern South China Sea: *Marine and Petroleum Geology*, doi: 10.1016/j.marpetgeo.2022.105990.
6. Sturmer, D.M., **Bidgoli, T.S.**, and Sweet, D., 2022, Laurentian evolution during the late Paleozoic: interactions and feedbacks between tectonism, sedimentation, and climate: *Palaeogeography, Palaeoclimatology, Palaeoecology*, doi: 10.1016/j.palaeo.2022.110900.
7. Li, G., **Bidgoli, T.S.**, Chen, M., Ma, X., and Li, J., 2022, Sedimentary and crustal structure of the western United States from joint inversion of multiple passive seismic datasets: *Journal of Geophysical Research: Solid Earth*, doi: 10.1029/2021JB022384.
8. \*Wang, W., †**Bidgoli, T.S.**, and Sturmer, D., 2022, Exploring the influence of Late Mississippian to Middle Pennsylvanian tectonics on sediment transport through detrital zircon geochronology, southwestern Kansas and northwestern Arkansas: *Palaeogeography, Palaeoclimatology, Palaeoecology*, doi: 10.1016/j.palaeo.2021.110750.
9. Jones, A.J., Sturmer, D.M., **Bidgoli, T.S.**, Dietsch, C. and Möller, A., 2021, Sediment routing and provenance of shallow to deep marine sandstones in the Late Paleozoic Oquirrh basin, Utah: *Palaeogeography, Palaeoclimatology, Palaeoecology*, doi: 10.1016/j.palaeo.2021.110582.
10. \*Ansari, E. and †**Bidgoli, T.S.**, 2021, Precambrian crystalline basement properties from pressure history matching and implications for induced seismicity in the US midcontinent: *Geochemistry, Geophysics, Geosystems*, doi: 10.1029/2021GC009660.
11. \*Ansari, E. and †**Bidgoli, T.S.**, 2020, Reply to comment by Peterie et al. on 'Accelerated fill-up of the Arbuckle Group aquifer and links to US midcontinent seismicity': *Journal of Geophysical Research – Solid Earth*, doi: 10.1029/2019JB019275.
12. \*Wang, W. and †**Bidgoli, T.S.**, 2019, Detrital zircon geochronologic constraints on patterns and drivers of continental-scale sediment dispersal in the Late Mississippian: *Geochemistry, Geophysics, Geosystems*, doi:10.1029/2019GC008469.
13. \*Wang W., Yang, X., †**Bidgoli, T.S.**, Ye, J., and Zeng, Z., 2019, Detrital zircon geochronology reveals source-to-sink relationships in the Pearl River Mouth Basin, China: *Sedimentary Geology*, doi:10.1016/j.sedgeo.2019.04.004.
14. \*Ansari, E., †**Bidgoli, T.S.**, and \*Hollenbach, A., 2019, Accelerated fill-up of the Arbuckle Group aquifer and links to US midcontinent seismicity: *Journal of Geophysical Research – Solid Earth*, doi:10.1029/2018JB016926.
15. \*Wang, W., †**Bidgoli, T.S.**, Yang, X., and Ye, J., 2018, Source-to-sink links between East Asia and Taiwan from detrital zircon geochronology of the Oligocene Huagang Formation in the East China Sea Shelf Basin: *Geochemistry, Geophysics, Geosystems*, v. 19, doi:10.1029/2018GC007576.

16. †**Bidgoli, T.S.**, \*Tyrrell, J.P., Möller, A., Walker, J.D., and Stockli, D.F., 2018, Conodont thermochronology of exhumed footwalls of low-angle normal faults: A pilot study in the Mormon Mountains, Tule Spring Hills, and Beaver Dam Mountains, southeastern Nevada and southwestern Utah: *Chemical Geology*, v. 495, p. 1-17, doi: 10.1016/j.chemgeo.2018.06.026.
17. Holubnyak, Y., Watney, W., Birdie, T., Wreath, D., Tsoflis, G., Nolte, K., Hollenbach, J., **Bidgoli, T.**, FazelAlavi, M. and Jackson, C., 2018, Lessons learned from small scale field test demonstrating CO2 EOR and geologic storage at Wellington Field in southern Kansas: *14th Greenhouse Gas Control Technologies Conference Melbourne (GHGT-14)*, p. 21-26, doi:10.2139/ssrn.3365741
18. Holubnyak, Y., Watney, L., Rush, J., FazelAlavi, M., **Bidgoli, T.**, and Wreath, D., 2018, Pilot scale CO2 EOR at Wellington Field in south central Kansas: Society of Petroleum Engineers, SPE-190308-MS, doi:10.2118/190308-MS.
19. Nolte, A., †Tsoflis, G., **Bidgoli, T.S.**, and Watney, W.L., 2017, Direct evidence of pore fluid pressure increases inducing seismicity in the US midcontinent through analysis of shear-wave anisotropy: *Science Advances*, v. 3, e1700443, doi: 10.1126/sciadv.1700443.
20. \*Schwab, D.R., †**Bidgoli, T.S.**, and Taylor, M.H., 2017, Characterizing the potential for injection-induced fault reactivation through subsurface structural mapping and stress field analysis, Wellington Field, Sumner County, Kansas: *Journal of Geophysical Research: Solid Earth*, v. 122, p. 10,132–10,154, <https://doi.org/10.1002/2017JB014071>.
21. \*Wang, W., Ye, J., †**Bidgoli, T.S.**, Yang, X., Shi, H., and Shu, Y., 2017, Constraining the depositional response to episodic rifting through detrital zircon provenance of the Paleogene Zhu 1 depression, Pearl River Mouth Basin, China: *Geochemistry, Geophysics, Geosystems*, v. 18 p. 3976-3999, doi: 10.1002/2017GC007110.
22. Holubnyak, Y., Williams, E., Watney, L., **Bidgoli, T.**, Rush, J., FazelAlavi, M., and Gerlach, P., 2017, Calculation of CO2 storage capacity for the Arbuckle Group in southern Kansas: Implications for a seismically active region: *Energy Procedia*, v. 114, p. 4679-4689, doi:10.1016/j.egypro.2017.03.1599.
23. †**Bidgoli, T.S.**, Amir, E., Walker, J.D., Stockli, D.F., Andrew, J.E., and Caskey, J.S., 2015, Low-temperature thermochronology of the Black and Panamint mountains, Death Valley, CA: Implications for geodynamic controls on Cenozoic intraplate strain: *Lithosphere*, v. 8, doi:10.1130/L406.
24. †**Bidgoli, T.S.**, Stockli, D.F., and Walker, J.D., 2015, Low-temperature thermochronologic constraints on the kinematic histories of the Castle Cliffs, Tule Springs, and Mormon Peak detachments, southeastern Nevada and southwestern Utah: *Geosphere*, v. 11, doi:10.1130/GES01083.1.
25. †Walker, J.D., **Bidgoli, T.S.**, Diderickson, B.D., Stockli, D.F., and Andrew, J.E., 2014, Middle Miocene to recent exhumation of the Slate Range, eastern California, and implications for the timing of extension and the transition to transtension: *Geosphere*, v. 10, doi:10.1130/GES00947.1.
26. †Andrew, J.E., Rittase, W.M., Monastero, F.M., **Bidgoli, T.**, and Walker, J.D., 2014, Geologic Map of the Northern Lava Mountains and Summit Range, San Bernardino County, California: Geological Society of America Digital Map and Chart Series 19, doi:10.1130/2014.DMCH019.

#### Edited volumes

1. Sturmer, D.M., **Bidgoli, T.S.**, and Sweet, D., 2022, Laurentian evolution during the late Paleozoic: interactions and feedbacks between tectonism, sedimentation, and climate: *Palaeogeography, Palaeoclimatology, Palaeoecology*.

#### Non-Refereed Publications & Datasets

1. \*Wang, W. and †**Bidgoli, T.S.**, 2021, Detrital zircon geochronologic dataset of Late Mississippian to Middle Pennsylvanian sediment, southwestern Kansas and northwestern Arkansas, IEDA (Integrated Earth Data Applications) GeoChron dataset, doi:10.26022/IEDA/112158.
2. \*Wang, W. and **Bidgoli, T.S.**, 2019, Detrital zircon U-Pb geochronology of Upper Mississippian incised valley filling systems of the Hugoton Embayment, southwestern Kansas: IEDA (Integrated Earth Data Applications) GeoChron dataset, doi:10.1594/IEDA/10.1594/IEDA/111376.
3. \*Wang, W. and **Bidgoli, T.S.**, 2019, Detrital zircon U-Pb geochronology of the Paleogene Zhu 2 Depression, Pearl River Mouth Basin, China: IEDA (Integrated Earth Data Applications) GeoChron dataset, doi:10.1594/IEDA/111268.

4. Holubnyak, Y., Dubois, M., Bidgoli, T., et al., 2018, Integrated CCS for Kansas (ICKan), DOE Final Technical Report, doi:10.2172/1491482.
5. \*Wang, W., **Bidgoli, T.S.**, Yang, X., and Ye, J., and Zeng, Z., 2018, Detrital zircon U-Pb geochronology of the Oligocene Huagang Formation in the East China Sea Shelf Basin: IEDA (Integrated Earth Data Applications) GeoChron dataset, doi:10.1594/IEDA/111206.
6. Holubnyak, Y., Watney, L., Hollenbach, J., **Bidgoli, T.**, et al., 2017, Small Scale Field Test Demonstrating CO2 Sequestration in Arbuckle Saline Aquifer and by CO2-EOR at Wellington Field, Sumner County, Kansas, DOE Final Technical Report, doi:10.2172/1420310.
7. \*Wang, W., Yang, X., **Bidgoli, T.S.**, Ye, J., Shi, H., and Shu, Y., 2017, Detrital zircon U-Pb geochronology of the Paleogene Zhu 1 Depression, Pearl River Mouth Basin, China: IEDA (Integrated Earth Data Applications) GeoChron dataset, doi:10.1594/IEDA/100721.
8. \*Tyrrell, J.P., **Bidgoli, T.S.**, Walker, J.D., and Moller, A., 2016, LA-ICPMS depth profile data for conodonts from Mormon Mountains, Tule Spring Hills, and Beaver Dam Mountains, southeastern Nevada and southwestern Utah: IEDA (Integrated Earth Data Applications) EarthChem dataset, doi:10.1594/IEDA/100631.
9. \*Tyrrell, J.P., **Bidgoli, T.S.**, Walker, J.D., and Moller, A., 2016, Collection of conodont SEM images from the Mormon Mountains, Tule Spring Hills, and Beaver Dam Mountains, southeastern Nevada and southwestern Utah: IEDA (Integrated Earth Data Applications) EarthChem dataset, doi:10.1594/IEDA/100632.
10. **Bidgoli, T.S.**, Stockli, D.F., and Walker, J.D., 2015, Beaver Dam Mountains-Tule Springs Hills-Mormon Mountains Thermochronology: IEDA (Integrated Earth Data Applications) GeoChron dataset, doi:10.1594/IEDA/100520.
11. Walker, J.D. and **Bidgoli, T.S.**, 2014, Slate Range Thermochronology: Integrated Earth Data Applications (IEDA), doi:10.1594/IEDA/100424.
12. Caskey, J., Bell, J.W., Ramelli, A.R., Adams, K.D., Reheis, M.C., Slemmons, B.D., Wesnousky, S.G., Ford, E.W., Domrose, C.J., Schneider, G., Goebel, M.W., Smith, N.W., **Bidgoli, T.S.**, and Scherer, A.M., 2002, Historical Faulting, Chronostratigraphy, and Paleoseismicity of the Central Nevada Seismic Belt: Friends of the Pleistocene, Pacific Cell, Fieldtrip Guidebook, 114 p.

### Dissertation & Theses

- Bidgoli, T.S.**, 2014, Low-temperature thermochronometric constraints on Cenozoic intraplate deformation in the central Basin and Range [Ph.D. dissertation]: Lawrence, Kansas, University of Kansas.
- Bidgoli, T.S.**, 2005, The role of transverse faults in Great Basin extension: Transfer faults or N-S extension? [M.S. thesis]: Las Vegas, Nevada, University of Nevada.
- Bidgoli, T.S.**, 2002, Determining the style and rate of uplift from Quaternary marine terraces of the Point Reyes Peninsula, California [Senior thesis]: San Francisco, California, San Francisco State University.

### Abstracts

#### 2024

1. Cahalan, L., Achey, A., Polun, S., **Bidgoli, T.S.**, Sandvol, E., and Gomez, F., 2024, Low-relief mound-like forms along the Grand River (Chariton County, MO): A paleoseismic origin?: GSA Joint North-Central-South-Central Section Meeting, Springfield, MO.
2. Gomez, F., \*Polun, S., **Bidgoli, T.S.**, Spencer, J., Vaughn, J., Ray, D., Sandvol, E., Cahalan, L. and Achey, A., 2024, Paleoseismic investigation of the Grand River tectonic zone, north-central Missouri: GSA Joint North-Central-South-Central Section Meeting, Springfield, MO.
3. \*Polun, S. and **Bidgoli, T.S.**, 2024, Assessing slip potential of inferred faults in the Paleozoic bedrock and crystalline basement in Kansas: an application of the open-source software pyFaultSlip: GSA Joint North-Central-South-Central Section Meeting, Springfield, MO.
4. \*Borchmann, A., \*Santana, J., \*Sosa, V., and **Bidgoli, T.S.**, in review, LiDAR-based geologic mapping and analysis of the Helendale fault, San Bernadino County, California: Geological Society of America, Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-405619
5. \*Bottini, J., \*Hasuka, S., \*Garland, J., \*Nuno, R., \*Borchmann, J., \*Rodriguez, J., \*Santana, J., \*Sosa, V., and **Bidgoli, T.S.**, 2024, Exploring validity of LiDAR-based surface roughness analysis for relative

age assignment of Quaternary surfaces in arid environments: Geological Society of America, Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-404447.

6. \*El-Rahi, G.S., \*Shrestha, N., \*Hasuka, S., \*Owen, M., \*De Leon, A., \*Bottini, J., Sturmer, D., and **Bidgoli, T.S.**, Geologic mapping and analysis of the northern Elsinore fault, Santa Ana Mountains, southern California: Geological Society of America, Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-405510.
7. \*Garland, J., \*Murphy, T., \*Sloan, V., \*Nuno, R., \*Rodriguez, J., \*Bottini, J., \*Polun, S., Gomez, F., and **Bidgoli, T.S.**, 2024, LiDAR-based geologic mapping and scarp degradation modeling of the eastern Garlock fault, southeastern California: Geological Society of America, Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-405120.
8. \*Gutierrez, R.N., \*Rodriguez, R., Altuntas, G., \*Polun, S., Gomez, F., and **Bidgoli, T.S.**, 2024, Exploring the kinematic role of the Owl Lake fault on the slip history of the eastern Garlock fault: Geological Society of America, Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-405600.
9. \*Hasuka, S., \*Bottini, J., \*Garland, J., \*Nuno, R., \*Borchmann, J., \*Rodriguez, J., \*Santana, J., \*Sosa, V., and **Bidgoli, T.S.**, 2024, Exploring the validity of surface roughness analysis for relative age assignment of alluvial surfaces in the Indio Hills, Coachella Valley, CA: Geological Society of America, Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-405458.
10. \*Moore, K., \*Reed, N., \*Garland, J., Stockli, D.F., and **Bidgoli, T.S.**, in review, Shedding light on hidden linkages: Correlating the Frisco thrust using (U-Th)/He thermochronometry: Geological Society of America Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-405551.
11. \*Rodriguez, R., \*Gutierrez, R.N., \*Garland, J., \*Bottini, J., \*Polun, S., Gomez, F., and **Bidgoli, T.S.**, 2024, Exploring the tectonic significance of the Owl Lake fault through geologic mapping and analysis of faulted landforms, southeastern California: Geological Society of America, Abstracts with Programs, v. 56, doi: 10.1130/abs/2024AM-405577.

## 2023

12. **Bidgoli, T.S.**, \*Ludwig, K. Gomez, F., Walker, J.D., and Stockli, D.F., 2023, Constraints on the Initiation and Exhumation History of the Kingston Range-Halloran Hills Detachment System from Zircon and Apatite (U-Th)/He Thermochronology: AGU Fall Meeting, San Francisco, CA.
13. \*Polun, S., Gomez, F., **Bidgoli, T.S.**, and Vaughn, J., 2023, Geological and Geophysical Characterization of a Suspected Holocene Liquefaction Field in the Lower Grand River Valley, Missouri, USA: AGU Fall Meeting, San Francisco, CA.
14. \*Garland, J., \*Moore, K., \*Reed, N., **Bidgoli, T.S.**, and Stockli, D.F., 2023, Timing, Magnitude, and Structural Style of the Frisco Thrust using (U-Th)/He Thermochronology: AGU Fall Meeting, San Francisco, CA.
15. \*Bottini, J., \*Hasuka, S., \*Garland, J., \*Sloan, V., \*Nuno Gutierrez, R., and **Bidgoli, T.S.**, 2023, Geologic Mapping and Slip Rate Characterization of the Banning and Garnet Hills Strands of the Southern San Andreas Fault System: AGU Fall Meeting, San Francisco, CA.
16. \*Hasuka, S., \*Bottini, J., \*Garland, J., \*Sloan, V., \*Nuno Gutierrez, R., and **Bidgoli, T.S.**, 2023, Establishing slip rates for the Mission Creek and Banning faults in the Coachella Valley region of southern California through mapping and analysis of Quaternary units: AGU Fall Meeting, San Francisco, CA.
17. \*Sloan, V., \*Nuno Gutierrez, R., \*Hasuka, S., \*Garland, J., \*Bottini, J., and **Bidgoli, T.S.**, 2023, Investigating the Effects of the Owl Lake Fault on the Eastern Garlock Fault Slip Rate through Geologic Mapping: AGU Fall Meeting, San Francisco, CA.
18. \*Ludwig, K., **Bidgoli, T.S.**, Gomez, F., and Stockli, D.F., 2023, Implications of detrital zircon U-Pb geochronology and bedrock thermochronology in the Avawatz Mountains for the extent and deformation history of the southern Death Valley fault: GSA Connects 2023, Pittsburg, PA.
19. \*Polun, S., **Bidgoli, T.S.**, Gomez, F., and \*Murphy, T., 2023, Using deep neural networks and data fusion to assess relative degrees of chemical and physical weathering of alluvial fans: An example from southeastern California: GSA Connects 2023, Pittsburg, PA.
20. Ward, D., Sturmer, D., **Bidgoli, T.S.**, and Hammer, S., 2023, New cosmogenic  $^{36}\text{Cl}$  profile ages confirm an LGM age for Blackhawk Landslide, CA, USA: GSA Connects 2023, Pittsburg, PA.

21. \*Stroup, A. and **Bidgoli, T.S.**, 2023, Exploring interactions between the southern Death Valley and Garlock faults through fold and fracture analysis: Geological Society of America, Cordilleran Section Meeting, Reno, NV.

## 2022

22. \*Murphy, T., **Bidgoli, T.S.**, \*Polun, S. and Gomez, F., Determining the Relationship Between the Garlock Fault and the Eastern California Shear Zone Through Detailed Digital Mapping and Age Characterization of Faulted Landforms, Southeastern California: AGU Fall Meeting, Chicago, IL.
23. \*Polun, S., Gomez, F., and **Bidgoli, T.S.**, Investigating Evidence of Holocene Liquefaction in the Lower Grand River Valley, Missouri, USA: A Possible New Seismic Hazard Source Zone for Central Missouri: AGU Fall Meeting, Chicago, IL.
24. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., Lithologic Controls on the Morphology and Radiometric Character of Alluvial Fans: Considerations for Developing a Quantitative Remote Sensing – Surface Age Model: AGU Fall Meeting, Chicago, IL.
25. \*Moore, K., **Bidgoli, T.S.**, Taylor, W.J., and Stockli, D.F., Testing dynamic models for the Late Cretaceous to Eocene exhumation of the Sevier hinterland plateau in east-central and southern Nevada using (U-Th)/He thermochronology: AGU Fall Meeting, Chicago, IL.
26. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2022, How do you estimate slip rates for a site you cannot access? Building a framework for surface age inference from modern remote sensing data: GSA Connects 2022, Denver, CO.
27. \*Moore, K. and **Bidgoli, T.S.**, 2022, Late Cretaceous to early Cenozoic cooling history across the Sevier hinterland of the North American Cordillera: GSA Connects 2022, Denver, CO.
28. \*Reed, N., \*Moore, K., and **Bidgoli, T.S.**, Structural style and exhumation history of the Frisco thrust sheet, Sevier fold-thrust belt, Utah: GSA Connects 2022, Denver, CO.
29. \*Ludwig, K., **Bidgoli, T.S.**, Stockli, D.F., Gomez, F., and \*Polun, S., 2022, Constraints on the southern extent of the southern Death Valley fault from detrital zircon U-Pb geochronology and bedrock (U-Th)/He thermochronology: GSA Connects 2022, Denver, CO.
30. \*Reed, N., **Bidgoli, T.S.**, and \*Moore, K., 2022, Structural style and exhumation history of the Frisco thrust sheet, Sevier fold-thrust belt, Utah: GSA Cordilleran Section Meeting, Las Vegas, NV.

## 2021

31. **Bidgoli, T.S.** and \*Ansari, E., 2021, Hydrologic properties of the deep basement from pressure history matching and implications for induced seismicity in the central US: AGU Fall Meeting, New Orleans, LA.
32. \*Moore, K., **Bidgoli, T.S.**, Taylor, W.J., Sturmer, D.M., and Stockli, D.F., 2021, Cooling history of the Sevier hinterland plateau during the Late Cretaceous to Eocene in east-central and southern Nevada: AGU Fall Meeting, New Orleans, LA.
33. \*Polun, S. and **Bidgoli, T.S.**, 2021, Enabling safe and efficient deep fluid injection with new open-source tools: Application of pyFaultSlip for assessing induced slip risks from waste water injection and CO2 storage in Oklahoma and Kansas: AGU Fall Meeting, New Orleans, LA.
34. \*Polun, S. and **Bidgoli, T.S.**, and Gomez, F., 2021, Developing an integrated surface-age — remote sensing spectral property model to enable slip rate studies in inaccessible regions: Examples and challenges from the Mojave Desert: AGU Fall Meeting, New Orleans, LA.
35. \*Zhao, Q., **Bidgoli, T.S.**, Zhu, H., Liu, Q., and Gao, W., 2021, Heavy mineral and detrital zircon U-Pb age analysis reveals a dominantly Yangtze River provenance to for the East China Sea: AGU Fall Meeting, New Orleans, LA.
36. **Bidgoli, T.S.**, \*Wang, W., and Sturmer, D.F., 2021, Carboniferous transition from extraregional to local sediment sources tied to intracontinental Ancestral Rocky Mountains deformation: GSA Connects 2021, Portland, Oregon.
37. \*Ludwig, K., **Bidgoli, T.S.**, Gomez, F., J.D.Walker, and Stockli, D.F., 2021, Thermochronology of the Kingston Range-Halloran Hill detachment system and implications for the Mesozoic to Cenozoic tectonic evolution of southeastern California: GSA C.onnects, 2021, Portland, Oregon.

38. \*Moore, K., **Bidgoli, T.S.**, \*Reed, N., and Sturmer, D.M., Stratigraphy, age, and provenance of the Flagstaff Formation, San Francisco and Cricket mountains, Utah: Implications for development and demise of the Sevier hinterland plateau: GSA Connects, 2021, Portland, Oregon.
39. \*Reed, N., **Bidgoli, T.S.**, and \*Moore, K., Structural style and exhumation history of the Frisco thrust sheet, Sevier fold-thrust belt, Utah: GSA Connects 2021, Portland, Oregon.
40. \*Zhao, Q., **Bidgoli, T.S.**, Zhu, H., and Liu, Q., Detrital zircon provenance of South China Sea basins signal drainage reorganizations across East Asia tied to tectonics and climate: GSA Connects 2021, Portland, Oregon.
41. **Bidgoli, T.S.**, and \*Ansari, E., 2021, Hydrologic properties of the deep basement from pressure history matching and implications for induced seismicity in the US midcontinent: GSA Joint Section Meeting [Virtual Meeting due to COVID-19].
42. **Bidgoli, T.S.**, \*Wang, W., and Sturmer, D.M., 2021, Late Mississippian to Early Pennsylvanian transition from extraregional to local sediment sources tied to Ancestral Rocky Mountains deformation: GSA Joint Section Meeting [Virtual Meeting due to COVID-19].
43. \*Polun, S. and **Bidgoli, T.S.**, 2021, Assessing fault slip tendency in areas of Kansas and Oklahoma undergoing significant deep fluid injection: Applications of a new tool, pyFaultSlip: GSA Joint Section Meeting [Virtual Meeting due to COVID-19].
44. \*Shi, Daniel and **Bidgoli, T.S.**, 2021, Detrital zircon and heavy mineral provenance of the Eagle Mountain Formation, Death Valley, CA: Cordilleran Section Meeting [Virtual Meeting due to COVID-19].
45. Jones, A., Sturmer, D.F., **Bidgoli, T.S.**, and Dietsch, C., Sandstone provenance in the late Paleozoic Oquirrh basin, Utah: GSA Joint Section Meeting [Virtual Meeting due to COVID-19].

#### 2020 and earlier

46. **Bidgoli, T.S.**, Lee, J.P., Stockli, D.F., Cosca, M., and Walker, J.D., 2020, Exhumation history of the Sierra Nevada Range from low-temperature thermochronology: AGU Fall Meeting [Virtual Meeting due to COVID-19].
47. \*Edge, K., **Bidgoli, T.S.**, Moller, A., and MacLeod, K.G., 2020, Examining dissolution procedure effects on trace and rare earth element concentrations and U-Pb ages in conodonts: AGU Fall Meeting. [Virtual Meeting due to COVID-19].
48. \*Polun, S. and **Bidgoli, T.S.**, 2020, Assessing slip tendency of cryptic faults in southern Kansas with a new open source, extensible tool: Introducing pyFaultSlip: AGU Fall Meeting [Virtual Meeting due to COVID-19].
49. Gomez, F., \*Polun, S., and **Bidgoli, T.S.**, 2020, Using InSAR to link surface deformation from deep fluid injection with earthquakes in central Kansas, USA: Overcoming challenges specific to the US Midcontinent: AGU Fall Meeting [Virtual Meeting due to COVID-19].
50. \*Zhao, Q., **Bidgoli, T.S.**, Zhu, H., Zhou, X., Yang, X., Liu, Q., and Wang, W., 2020, Eocene source-to-sink links between the Tibetan Plateau and East China Sea Shelf Basin from detrital zircon U-Pb dating: AGU Fall Meeting [Virtual Meeting due to COVID-19].
51. **Bidgoli, T.S.**, \*Kurtoglu, B., \*Polun, S., Walker, J.D., Andrew, J.E., and Stockli, D.F., 2020, Testing reconstructions of Miocene to Pliocene strain in the Panamint Valley region with low-temperature thermochronology: Geological Society of America Annual Meeting [Virtual Meeting due to COVID-19].
52. \*Moore, K. and **Bidgoli, T.S.**, 2020, Development of the Cretaceous-Paleogene unconformity from thermochronology data in the hinterland of the North American Cordillera: Geological Society of America Annual Meeting [Virtual Meeting due to COVID-19].
53. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2020, Determining ages of faulted surfaces along inaccessible portions of the eastern Garlock fault using radiometric assessments of surface character: Applications for slip rate studies: Geological Society of America Annual Meeting [Virtual Meeting due to COVID-19].
54. \*Zhao, Q., Zhu, H., **Bidgoli, T.S.**, Liu, Q., Qiu, X., and Li, M., 2020, Paleo-geomorphological restoration of source-to-sink systems: An example from the Huilu low uplift in the Pearl River Mouth Basin, South China Sea: Geological Society of America Annual Meeting [Virtual Meeting due to COVID-19].



55. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2020, Determining ages of faulted surfaces along inaccessible portions of the eastern Garlock fault using radiometric assessments of surface character: Geological Society of America – Cordilleran Section Meeting 2020, Pasadena, CA [Meeting cancelled due to COVID-19].
56. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2020, Determining ages of faulted surfaces along inaccessible portions of the eastern Garlock fault using radiometric assessments of surface character: Geological Society of America – Cordilleran Section Meeting 2020, Pasadena, CA [Meeting cancelled due to COVID-19].
57. **Bidgoli, T.S.**, \*Kurtoglu, B., \*Polun, S., Walker, J.D., Andrew, J.E., and Stockli, D.F., 2020, Integration of the Searles Valley, Panamint Valley, and Hunter Mountain faults from low-temperature thermochronology: Geological Society of America – Cordilleran Section Meeting 2020, Pasadena, CA [Meeting cancelled due to COVID-19].
58. **Bidgoli, T.S.**, Lee, J.P., Stockli, D.F., Cosca, M., and Walker, J.D., 2020, Exhumation history of the Sierra Nevada Range from low-temperature thermochronology: Geological Society of America – Cordilleran Section Meeting 2020, Pasadena, CA [Meeting cancelled due to COVID-19].
59. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2020, Complex structural geology in the intersection zone between the eastern Garlock, Owl Lake, and Brown Mountain (Panamint Valley) Faults, southeast California: Implications for the evolution of the Garlock fault: Geological Society of America – Cordilleran Section Meeting 2020, Pasadena, CA [Meeting cancelled due to COVID-19].
60. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2020, Determining ages of faulted surfaces along inaccessible portions of the eastern Garlock fault using radiometric assessments of surface character: Geological Society of America – Cordilleran Section Meeting 2020, Pasadena, CA [Meeting cancelled due to COVID-19].
61. \*Ansari, E., **Bidgoli, T.S.**, and \*Hollenbach, A., 2019, History matching pressure in the Arbuckle Group aquifer to manage midcontinent seismicity: GSA Joint Section Meeting, Manhattan, KS.
62. \*Hollenbach, A., **Bidgoli, T.S.**, \*Ansari, E., and Victorine J., 2019, Simulating injection-pressure response with real-world data and a high-resolution model of the Arbuckle Group, south-central Kansas: GSA Joint Section Meeting, Manhattan, KS.
63. \*Hollenbach, A., **Bidgoli, T.S.**, \*Ansari, E., and Victorine J., 2019, Modeling the structure, porosity, and permeability of the Arbuckle Group in south-central Kansas: AAPG ACE 2019, San Antonio, TX.
64. Tsofilas, G., Nolte, K.A., Molina, Z.P., Proffitt, H.R., Freking C. J., **Bidgoli, T.S.**, and Watney, W. L., 2019, Fault detection in south-central Kansas using cluster analysis of induced earthquakes: GSA Joint Section Meeting, Manhattan, KS.
65. \*Kurtoglu, B. and **Bidgoli, T.S.**, 2019, Resolving space-time strain paths of the Panamint and Cottonwood mountains, eastern California, through bedrock and detrital thermochronology: Geological Society of America Annual Meeting 2019, Phoenix, AZ.
66. Jones, A., Sturmer, D., **Bidgoli, T.S.**, and Moller, A., 2019, Sediment Routing and Provenance of Shallow to Deep Marine Sandstones in the Late Paleozoic Oquirrh Basin, Utah: Geological Society of America Annual Meeting 2019, Phoenix, AZ.
67. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2019, Observing injection-induced surface deformation in the US midcontinent with interferometric SAR (InSAR): New methods for monitoring induced seismicity: Geological Society of America Annual Meeting 2019, Phoenix, AZ.
68. \*Polun, S., **Bidgoli, T.S.**, and Gomez, F., 2019, Assessing alluvial fan surface ages along inaccessible portions of the eastern Garlock fault, southeastern California, with aerial LiDAR, SAR backscatter, and multispectral data: Implications for slip rate studies: Geological Society of America Annual Meeting 2019, Phoenix, AZ.
69. **Bidgoli, T.S.** and \*Wang, W., 2019, Patterns and drivers of continental-scale sediment transport in Laurentia during the Late Mississippian from detrital zircon provenance: Geological Society of America Annual Meeting 2019, Phoenix, AZ.
70. \*Wang, W. and **Bidgoli, T.S.**, 2019, Detrital zircon analysis of Late Mississippian-Early Pennsylvanian sediments and implications for the reliability of double-dating in provenance analysis in the central U.S.: Geological Society of America Annual Meeting 2019, Phoenix, AZ.

71. \*Polun, S., **Bidgoli, T.S.**, Gomez, F., and \*Ansari, E., 2019, Monitoring Injection-Induced Surface Deformation in the US Midcontinent with Interferometric SAR (InSAR): New Methods for Assessing Induced Seismicity: AAPG Midcontinent Section Meeting 2019, Wichita, KS
72. **Bidgoli, T.S.** and \*Wang, W., 2019, Assessing the viability of phosphatic fossils for geo- and thermochronology: AAPG Midcontinent Section Meeting 2019, Wichita, KS.
73. **Bidgoli, T.S.** and \*Wang, W., 2019, Detrital Zircon Geochronology of Upper Mississippian Sandstones in the Midcontinent and Implications for Provenance and Sediment Transport: AAPG Midcontinent Section Meeting 2019, Wichita, KS.
74. \*Wang, W. and **Bidgoli, T.S.**, 2019, Provenance and Thermal History of the Mississippian-Pennsylvanian Arkoma Shelf and Basin, Northwestern Arkansas, through Detrital Zircon U-Pb and (U-Th)/He Double Dating: AAPG Midcontinent Section Meeting 2019, Wichita, KS.
75. LaCroix, B., Keast, R.T., **Bidgoli, T.S.**, Raef, A., Adam, C., Leclere, H., and Guillaume, G., 2019, Assessing Fault Reactivation Potential Related to Increased Fluid Pressures within Wellington and Anson-Bates Fields, Sumner County, Kansas: AAPG Midcontinent Section Meeting 2019, Wichita, KS.
76. Birdie, T., Holubnyak, E., Watney, W.L., Hollenbach, J., **Bidgoli, T.S.**, and Hasiuk, F., 2019, Carbon Capture Utilization and Storage: A New Field for Petroleum Geologists: AAPG Midcontinent Section Meeting 2019, Wichita, KS.
77. \*Kurtoglu, B. and **Bidgoli, T.S.**, 2019, Resolving space-time strain paths of the Panamint and Cottonwood mountains, eastern California, through bedrock and detrital thermochronology: AGU Fall Meeting, San Francisco, CA.
78. Gomez, F., \*Polun, S. and **Bidgoli, T.S.**, 2019, Quantifying injection-induced seismicity hazards: Injection-induced surface deformation in central Kansas observed with Sentinel 1 interferometric SAR (InSAR): Tools for rapid and independent monitoring: AGU Fall Meeting, San Francisco, CA.
79. \*Polun, S., **Bidgoli, T.S.**, and \*Jennings, J.C., 2019, Slip tendency on cryptic faults in the Patterson Storage Site, a proposed CO<sub>2</sub> repository in SW Kansas: Quantifying injection-induced seismicity hazards: AGU Fall Meeting, San Francisco, CA.
80. \*Ansari, E., **Bidgoli, T.S.**, and \*Hollenbach, A., 2018, The role of pressure diffusion in U.S. midcontinent seismicity: AAPG ACE 2018, Salt Lake City, UT.
81. \*Ansari, E., **Bidgoli, T.S.**, and \*Hollenbach, A., 2018, Statistical analysis of Arbuckle pressure and static fluid level: Geological Society of America, South-Central Section Meeting 2018, Little Rock, AR.
82. \*Ansari, E., **Bidgoli, T.S.**, \*Hollenbach, A., and Nolte, K.A., 2018, Interplay between pore pressure and elastic stress induces US midcontinent seismicity: AGU Fall Meeting, Washington, D.C.
83. **Bidgoli, T.S.**, \*Wang, W., Möller, A., and Stockli, D., 2018, Detrital zircon geochronology: a novel tool for stratigraphic correlation of Late Mississippian-Early Pennsylvanian strata in southwestern Kansas and northwestern Arkansas: AAPG ACE 2018, Salt Lake City, UT.
84. **Bidgoli, T.S.**, \*Wang, W., Yang, X., and Ye, J., 2018, Constraining Eocene to Miocene sediment transport from East Asia to Taiwan through detrital zircon provenance analysis of the Huagang Formation, East China Sea Shelf Basin: AGU Fall Meeting, Washington, D.C.
85. **Bidgoli, T.S.**, \*Wang, W., Yang, X., and Ye, J., 2018, Detrital zircon geochronologic constraints on intra- and extrabasinal sediment sources, Paleogene Pearl River Mouth Basin, northern South China Sea: Geological Society of America Annual Meeting 2018, Indianapolis, IN.
86. \*Graham, K., **Bidgoli, T.S.**, Möller, A., Stockli, D.F., and Walker, J.D., 2018, Timing and drivers of exhumation in the hinterland of the North American Cordillera from detrital zircon U-Pb and (U-Th)/He double dating: AGU Fall Meeting, Washington, D.C.
87. \*Hollenbach, A., **Bidgoli, T.S.**, and \*Ansari, E., 2018, Investigating the link between brine disposal practices and induced seismicity in Kansas and Oklahoma: AAPG ACE 2018, Salt Lake City, UT.
88. \*Hollenbach, A., **Bidgoli, T.S.**, \*Ansari, E., and Nolte, K.A., 2018, Evaluating controls on US midcontinent seismicity through modeling of wastewater injection into the Arbuckle Group aquifer: AGU Fall Meeting, Washington, D.C.
89. \*Hollenbach, A., **Bidgoli, T.S.**, \*Ansari, E., and Nolte, K.A., 2018, A spatio-temporally constrained volumetric threshold for inducing seismicity in the midcontinent, USA: Geological Society of America Annual Meeting 2018, Indianapolis, IN.

90. Holubnyak, E., Birdie, T., **Bidgoli, T.S.**, and Hollenbach, J., 2018, Methodology for capacity estimation for waste disposal and carbon management: AAPG ACE 2018, Salt Lake City, UT.
91. \*Jennings, D., **Bidgoli, T.S.**, Möller, A., and Walker, J.D., 2018, Assessing uranium heterogeneity and U-Pb geochronology viability in conodont elements using Kansas outcrop samples: Geological Society of America Annual Meeting 2018, Indianapolis, IN.
92. Peterson, A., Smith, J.J., Layzell, A., and **Bidgoli, T.S.**, 2018. Structural mapping in the Humboldt Fault Zone using remote sensing, Chase County, Kansas. Transactions of the Kansas Academy of Science, Abstracts from the 150th Annual Meeting of the Kansas Academy of Science.
93. Mcnay, H., Jennings, D.L., Möller, A., Bidgoli, T.S. and Walker, J.D., Testing the viability of conodonts as a U-Pb geochronometer using Kansas core and outcrop samples: Geological Society of America Abstracts with Programs. Vol. 50, No. 4 , doi: 10.1130/abs/2018NC-312425
94. Nolte, A., Tsoflias, G., **Bidgoli, T.S.**, and Watney, W.L., 2018, Temporal change in shear-wave anisotropy linked to pore fluid pressure in Kansas. Kansas Interdisciplinary Carbonates Consortium Annual Meeting, Lawrence, KS, March 12-13, 2018
95. Nolte, A., Tsoflias, G., **Bidgoli, T.S.**, and Watney, W.L., 2018, Temporal change in shear-wave anisotropy linked to pore fluid pressure in Kansas: International Induced Seismicity Workshop 2018, Banff, Canada.
96. **Bidgoli, T.S.**, Dubois, M., Watney, W.L., Stover, S., Holubnyak, Y., \*Hollenbach, A., \*Jennings, J.C., and Victorine, J., 2017, Is commercial-scale CO<sub>2</sub> capture and geologic storage a viable enterprise for Kansas?: AAPG Midcontinent Section Meeting 2017, Oklahoma City, OK.
97. **Bidgoli, T.S.**, and \*Jackson, C., 2017, Operational Practices and Their Influence on Injection-Induced Earthquakes: Lessons Learned from a Statewide Survey of Brine Disposal in Kansas: AAPG ACE 2017, Houston, TX.
98. Dubois, M., McFarlane, D., and **Bidgoli, T.S.**, 2017, CO<sub>2</sub> Pipeline Cost Analysis Utilizing a Modified FE/NETL CO<sub>2</sub> Transport Cost Model Tool: Mastering the Subsurface Through Technology Innovation, Partnerships and Collaboration: Carbon Storage, Oil and Natural Gas Technologies Review Meeting, DOE-NETL Annual meeting, August 1-3, 2017, Pittsburgh, PA
99. \*Graham, K. and **Bidgoli, T.S.**, 2017, Elucidating the development of the basal Tertiary unconformity from regional thermochronologic data synthesis: American Geophysical Union, Fall General Assembly, New Orleans, LA.
100. \*Graham, K., **Bidgoli, T.S.**, Möller, A., and Walker, J.D., 2017, Timing and drivers of exhumation in the hinterland of the North American Cordillera from detrital zircon U-Pb and (U-Th)/He double dating: Geological Society of America Annual Meeting, Seattle, WA.
101. \*Hollenbach, A., **Bidgoli, T.S.**, and Dubois, M., 2017, Evaluating the Feasibility of CO<sub>2</sub> Storage through Reservoir Characterization and Geologic Modeling of the Viola Formation and Arbuckle Group in Kansas: AAPG Midcontinent Section Meeting 2017, Oklahoma City, OK.
102. \*Jennings, J. and **Bidgoli, T.S.**, 2017, Identifying Areas at Risk for Injection-Induced Seismicity through Subsurface Analysis: An Example from Southern Kansas: AAPG ACE 2017, Houston, TX.
103. \*Jennings, J. and **Bidgoli, T.S.**, 2017, Identifying Areas at Risk for Injection-Induced Seismicity through Subsurface Analysis: An Example from Southern Kansas: AAPG Midcontinent Section Meeting 2017, Oklahoma City, OK.
104. Keast, R.T., Lacrois, B., Raef, A., Adam, C., **Bidgoli, T.S.**, Leclere, H., and G. Daniel, 2017, Modeling the Proterozoic Basement's Effective Stress Field, Assessing Fault Reactivation Potential Related to Increased Fluid Pressures, and Improved 3D Structural Interpretation of Faulting within Wellington and Anson-Bates Fields, Sumner County, Kansas: American Geophysical Union, Fall General Assembly, New Orleans, LA.
105. Newell, K.D., **Bidgoli, T.S.**, Doveton, J.H., and Whittemore, D., 2017, Water Quality and Movement in Saline Aquifers in Kansas: Governor's Conference on the Future of Water in Kansas, November 9, 2017, Manhattan, KS.
106. Nolte, A., Tsoflias, G., **Bidgoli, T.S.**, and Watney, W.L., 2017, A new earthquake monitoring method? Change in shear-wave anisotropy as a tool to monitor induced seismicity in Kansas and Oklahoma: American Geophysical Union, Fall General Assembly, New Orleans, LA.
107. Nolte, A., Tsoflias, G., **Bidgoli, T.S.**, and Watney, W.L., 2017, Temporal changes in shear-wave anisotropy in the US midcontinent: SEG 2017, Houston, TX.

108. Nolte, A., Tsoflias, G., **Bidgoli, T.S.**, and Watney, W.L., 2017, Understanding injection induced seismicity: Temporal link between pore pressure increase and shear-wave anisotropy: SEG/SPE Workshop on Injection Induced Seismicity, November 6-8, 2017, Dallas, TX.
109. Nolte, A., Tsoflias, G., **Bidgoli, T.S.**, and Watney, W.L., 2017, Monitoring seismicity near an active CO<sub>2</sub> EOR injection: 2017 Mastering the Subsurface Through Technology Innovation, Partnerships and Collaboration: Carbon Storage, Oil and Natural Gas Technologies Review Meeting, DOE-NETL Annual meeting, August 1-3, 2017, Pittsburgh, PA
110. \*Schwab, D.R., **Bidgoli, T.S.**, Taylor, M.H., and Stearns, L.A., 2017, Predicting the Potential for Fluid-Induced Fault Reactivation: An Example from Wellington Field, Sumner County, KS: AAPG ACE 2017, Houston, TX.
111. \*Wang, W., **Bidgoli, T.S.**, and Watney, W.L., 2017, Chronology and provenance of Late Mississippian-Early Pennsylvanian clastic influx to the Hugoton Embayment and Arkoma Shelf, constraints on transcontinental sediment transport and regional tectonics: AAPG Midcontinent Section Meeting 2017, Oklahoma City, OK.
112. \*Wang, W., **Bidgoli, T.S.**, Möller, A., Stockli, D., and Watney, W.L., 2017, Detrital zircon geo- and thermochronologic constraints on Late Mississippian-Early Pennsylvanian sediment transport and tectonics, southwestern Kansas and northwestern Arkansas: American Geophysical Union, Fall General Assembly, New Orleans, LA.
113. **Bidgoli, T.S.**, Doveton, J., and Holubnyak, Y., 2016, Far-field reservoir pressure increases and seismicity in south-central Kansas: Geological Society of America Abstracts with Programs, v. 48, n. 7, doi: 10.1130/abs/2016AM-286280
114. **Bidgoli, T.S.**, \*Tyrrell, J., Möller, A., Cramer, B.D., Walker, J.D., and Stockli, D.F., 2016, Conodont thermochronology: Expanding the utility of the (U-Th)/He method to marine carbonates and shales: AAPG Datapages/Search and Discovery Article #90259.
115. **Bidgoli, T.S.**, Walker, J.D., Andrew, J.E., and McLean, N., 2016, Using the Geochron Database for Data Preservation and Exploration of Geothermal Resources: American Geophysical Union, Fall General Assembly 2016, abstract #IN23F-06.
116. Holubnyak, Y., Watney, L., and **Bidgoli, T.S.**, 2016, Lessons learned from waste water disposal in Kansas: Applications for CO<sub>2</sub> geological storage: 15<sup>th</sup> Annual Conference on Carbon Capture Utilization & Storage, Tysons, VA.
117. Holubnyak, Y., Watney, L., Rush, J., **Bidgoli, T.**, Williams, E., and Gerlach, P., 2016, Calculation of CO<sub>2</sub> storage capacity for Arbuckle Group in southern Kansas: Implications for a seismically active region: 13<sup>th</sup> International Conference on Greenhouse Gas Control Technologies, Lausanne, Switzerland.
118. \*Jackson, C. and **Bidgoli, T.S.**, 2016, Earthquakes in Kansas: A study of brine disposal and injection-induced seismicity: Geological Society of America Annual Meeting, Denver, Colorado.
119. \*Jennings, J. and **Bidgoli, T.S.**, 2016, Mapping subsurface lineaments and present-day stresses in southern Kansas: A new approach for identifying areas at risk for injection-induced seismicity: Geological Society of America Abstracts with Programs, v. 48, n. 7, doi: 10.1130/abs/2016AM-285652.
120. \*Tyrrell, J., **Bidgoli, T.S.**, Möller, A., Cramer, B.D., Walker, J.D., and Stockli, D.F., 2016, Challenges associated with the conodont (U-Th)/He method: A case study from the Mormon Mountains, Tule Spring Hills, and Beaver Dam Mountains, southeastern Nevada and southwestern Utah: Geological Society of America Abstracts with Programs, v. 48, n. 7, doi: 10.1130/abs/2016AM-286505.
121. \*Wang, W., Yang, X., Ye, J., **Bidgoli, T.S.**, Watney, W.L., Zhu, H., and Wang, Q., 2016, Influence of syndepositional volcanism on Oligocene sandstone diagenesis and quality: A comparison of the BZ34-9 and KL6 fields in the southern Bohai Sea, China: Geological Society of America Abstracts with Programs, v. 48, n. 7, doi: 10.1130/abs/2016AM-286279.
122. Watney, W.L., **Bidgoli, T.S.**, Victorine, J., Simpson, P., Holubnyak, Y., Nolte, K., Tsoflias, G. P., Wreath, D., and Birdie, T.R., 2016, Continuous Pressure and Temperature Monitoring in Lower Arbuckle Saline Aquifer in Wellington Field, Sumner County, Kansas – Response to the M5.8 Pawnee Earthquake: American Geophysical Union, Fall General Assembly 2016, abstract #S51E-3166.

123. **Bidgoli, T.S.**, FazelAlavi, M., and Holubnyak, Y., 2015, Reservoir-geomechanical analysis of fluid injection in the Arbuckle saline aquifer, south-central Kansas: Groundwater Protection Council Annual Forum.
124. **Bidgoli, T.S.**, Holubnyak, Y., and FazelAlavi, M., 2015, Evaluating potential for induced seismicity through reservoir-geomechanical analysis of fluid injection in the Arbuckle saline aquifer, south-central Kansas: AAPG Datapages/Search and Discovery Article #90216.
125. **Bidgoli, T.S.**, \*Schwab, D.R., Watney, W.L., and Gerlach, P., 2015, Subsurface faults and present-day stresses in southern Kansas: Implications for brine disposal and long-term storage of CO<sub>2</sub>: AAPG Datapages/Search and Discovery Article #90221.
126. Birdie, T., Watney, W.L., **Bidgoli, T.S.**, Fazelalavi, M., and Holubnyak, E., 2015, Assessing induced seismicity risk associated with CO<sub>2</sub> geologic sequestration: Geological Society of America Abstracts with Programs, v. 47, n. 1, p. 12.
127. Holubnyak, Y., **Bidgoli, T.S.**, and Watney, W.L., 2015, Evaluating risks of induced seismicity for CO<sub>2</sub> geological storage in the Arbuckle saline aquifer, south-central Kansas: 14th Annual Conference on Carbon Capture Utilization & Storage, Pittsburg, PA.
128. Holubnyak, Y., FazelAlavi, M., **Bidgoli, T.S.**, Watney, L., 2015, Permeability estimations for the Arbuckle Formation in south-central Kansas: AAPG Datapages/Search and Discovery Article #90216.
129. Holubnyak, Y., Watney, L., FazelAlavi, M., Rush, J., **Bidgoli, T.S.**, Williams, E., Gerlach, S., and Datta, S., 2015, Regional assessment of reservoir properties and waste disposal modeling for Arbuckle Formation in south central and southwestern Kansas: AAPG Datapages/Search and Discovery Article #90242
130. Holubnyak, Y., Williams, E., FazelAlavi, M., Gerlach, P., **Bidgoli, T.S.**, 2015, Regional CO<sub>2</sub> storage capacity estimations for the Arbuckle Saline Aquifer in south-central and southwestern Kansas: AAPG Datapages/Search and Discovery Article #80486.
131. Miller, R., Peterie, S., **Bidgoli, T.**, Fontana, J., Watney, W.L., Buchanan, R., 2015, Elevated seismicity in southern Kansas: Symposium on the Application of Geophysics to Environmental and Engineering Problems 2015, p. 294-305.
132. Peterie, S.L., Miller, R.D., Intfen, J., **Bidgoli, T.**, and Buchanan, R., 2015, A geologically based approach to mitigate potentially induced seismicity in Kansas: SEG Technical Program Expanded Abstracts 2015, p. 4871-4876.
133. \*Schwab, D.R., **Bidgoli, T.S.**, Taylor, M.H., and Stearns, L.A., 2015, Characterizing the potential for fault reactivation related to CO<sub>2</sub> injection through subsurface structural mapping and stress field analysis, Wellington Field, Sumner County, KS: American Geophysical Union, Fall General Assembly, abstract S13B-2822.
134. \*Schwab, D.R., **Bidgoli, T.S.**, Taylor, M.H., and Stearns, L.A., 2015, Determining the risk for induced seismicity associated with pilot-scale CO<sub>2</sub> injection at Wellington Field, Sumner County, Kansas: Geological Society of America Abstracts with Programs, v. 47, p.80.
135. \*Schwab, D., **Bidgoli, T.**, and Taylor, M., 2015, Characterizing CO<sub>2</sub> injection using subsurface structural mapping and stress field analysis, cGPS, and InSAR, Wellington Field, Sumner County, KS: Kansas Environmental Conference, August 17-20, Topeka, KS.
136. **Bidgoli, T.S.**, Walker, J.D., and Stockli, D.F., 2014, Two-phase development of the Nevadaplano from low-temperature thermochronology: American Geophysical Union, Fall General Assembly, abstract EP21B-3534.
137. **Bidgoli, T.S.**, Watney, W.L., Gerlach, P.M., and \*Nguyen, M.C., 2014, Episodic reactivation of critically-stressed basement faults in southern Kansas: Implications for wastewater disposal and long-term storage of CO<sub>2</sub>: Geological Society of America Abstracts with Program, v. 46, p. 317.
138. **Bidgoli, T.S.**, Amir, E., Walker, J.D., Stockli, D.F., Andrew, J.E., and Caskey, J.S., 2014, Space-time patterns and geodynamic drivers of Miocene to Pliocene strain in Death Valley, CA from low temperature thermochronology: Geological Society of America Abstracts with Programs, v. 46, p. 442.
139. Birdie, T., Watney, L., Gerlach, P., Killion, M., Holubnyak, E., Raney, J., **Bidgoli, T.**, Williams, G., \*Nguyen, M., and Wilson, B., 2014, Impacts of carbon dioxide storage in the saline Arbuckle aquifer on freshwater aquifers in Kansas: 59<sup>th</sup> Annual Midwest Ground Water Conference.

140. **Bidgoli, T.S.**, Walker, J.D., and Stockli, D.F., 2012, Refining the space-time strain path of the central Basin and Range through low-temperature thermochronology: Implications for geodynamic controls on Cenozoic intraplate deformation: 34th International Geological Congress, Paper #1272, p. 271.
141. **Bidgoli, T.S.**, Stockli, D.F., and Walker, J.D., 2012, Low-temperature thermochronology of the Castle Cliffs, Tule Springs, and Mormon Peak detachment faults: New constraints on the timing, magnitude, and spatial pattern of Miocene strain: 34th International Geological Congress, Paper #2736, p. 2716.
142. **Bidgoli, T.S.**, 2012, Low-temperature thermochronometric constraints on Cenozoic intraplate deformation in the central Basin and Range: AAPG Search and Discovery Article #90157.
143. **Bidgoli, T.S.**, Stockli, D.F., and Walker, J.D., 2011, Low-temperature thermochronologic constraints on the kinematic histories of the Mormon Peak, Tule Springs, and Castle Cliffs detachments, southeastern Nevada and southwestern Utah: Geological Society of America Abstracts with Programs, v. 43, p. 276.
144. Corbin, N., Walden, J.W., **Bidgoli, T.S.**, Thompson, J., Stockli, D.F., Hernandez Goldstein, E.J., Biel, S. Fry, T.L., Wiese, S., and Weiland, C.C., 2010, Late Miocene to Pliocene left-lateral reactivation of middle Miocene right-lateral faults in the Mina Deflection – a detailed stratigraphic, structural, fault-kinematic, and geochronological investigation in the Coal Dale Junction area, Walker Lane, Nevada: Geological Society of America Abstracts with Programs, v. 42, p. 133.
145. **Bidgoli, T.S.** and Taylor, W.J., 2008, The Timpahute Lineament: Transfer zone between the northern and central Basin and Range: Geological Society of America Abstracts with Programs, v. 40, p. 155.
146. **Bidgoli, T.S.** and Taylor, W.J., 2004, The role of transverse faults in Great Basin extension: Transfer faults or N-S extension?: Geological Society of America Abstracts with Programs, v. 36, p. 424.
147. **Bidgoli, T.S.**, Fossett, E., Knudsen, T.R., Kubart-Dano, R.K., McEwan, D.J., And Taylor, W.J., 2003, Surface rupture, paleoseismology, and seismic hazard assessment of the Holocene California Wash Fault, southern Nevada: Implications For Risk To Greater Las Vegas Area: Geological Society of America Abstracts with Programs, v. 35, p. 426.
148. **Bidgoli, T.** and Grove, K., 2002, Determining uplift rates and patterns from Quaternary marine terrace of the Point Reyes Peninsula, California: Geological Society of America Abstracts with Programs, v. 34, n. 5.
149. Caskey, S.J., Domrose, C.J., Ford, E.W., Goebel, M.W., Smith, N.W., **Bidgoli, T.S.**, Scherer, A.M., 2002, Tectonic and isostatic deformation of latest Pleistocene shorelines, Dixie Valley: Geological Society of America Abstracts with Programs, v. 34, p. A-100.

## OTHER PRESENTATIONS

### Invited Colloquia

1. Speaker, Inland Geological Society, planned Fall 2025
2. Speaker, Association of Environmental and Engineering Geologists, Inland Empire Chapter, 01/08/2025  
Colloquium Speaker, Dept. of Geoscience, Texas Tech University, 11/18/2022
3. Seminar Speaker, Dept. of Geological Sciences, Cal State University - San Bernardino, 01/31/2022
4. Seminar Speaker, USGS, Geology, Energy, & Minerals Science Center, 01/25/2022
5. Colloquium Speaker, Department of Geology, Binghamton University, 12/3/2021
6. Colloquium Speaker, Department of Geological & Environmental Sciences, Iowa State University, 10/19/2021
7. Colloquium Speaker, Department of Geological & Environmental Sciences, Western Michigan University, 02/08/2021
8. Seminar Speaker, Computational SeismoLab, Michigan State University, 11/17/2020
9. Speaker, GYPSUM (Geodesy and Geophysics Seminar of the Upper Midwest), 11/02/2020
10. Colloquium Speaker, Department of Geography, Geology, and Planning, Missouri State University, 10/2/2020
11. Colloquium Speaker, Department of Geology, University of Cincinnati, 11/08/2019
12. Colloquium Speaker, Geosciences & Geological and Petroleum Engineering, Univ. of Missouri S&T,

04/10/2019

13. Colloquium Speaker, Boone Pickens School of Geology, Oklahoma State University, 04/27/2018
14. Colloquium Speaker, Department of Geological Sciences, University of Missouri, 03/7/2018
15. Colloquium Speaker, Department of Earth & Atmospheric Sciences, Central Michigan University, 02/01/18
16. Colloquium Speaker, Department of Geology, Kansas State University, 03/16/2017
17. San Francisco State University Speaker Series (San Francisco, California), 09/08/2015

### **Workshops and Regional Conferences**

18. Speaker, Association of Environmental and Engineering Geologists, "A recipe for induced earthquakes in the U.S. midcontinent", 03/18/21 (Invited)
19. Speaker, Association of Missouri Geologists, "A recipe for induced earthquakes in the U.S. midcontinent", 09/25/20 (Invited)
20. Speaker, KU Environmental Engineering Conference, "Integrated CCS for Kansas", 04/15/18 (Invited)
21. Speaker, 2018 Mastering the Subsurface Through Technology Innovation, Partnerships and Collaboration: Carbon Storage, Oil and Natural Gas Technologies Review Meeting, DOE-NETL, "Integrated CCS for Kansas", 08/18
22. Speaker, Eastern Kansas Oil and Gas Association – Mid Year Meeting "Integrated Carbon Capture, Utilization and Storage for Kansas", 05/08/18 (Invited)
23. Speaker, 2017 Mastering the Subsurface Through Technology Innovation, Partnerships and Collaboration: Carbon Storage, Oil and Natural Gas Technologies Review Meeting, DOE-NETL, "Integrated CCS for Kansas", 08/01/17
24. Speaker, Oklahoma Corporation Commission, Arbuckle web conference, 7/6/17 (Invited)
25. Kansas Geologic Mapping Advisory Committee, "What's shaking Kansas?", 5/15/17
26. Kansas Next Step, Oil and Gas Seminar, "What's shaking Kansas? Causality assessment approaches for injection-induced earthquakes", 05/02/17-05/03/17 (Invited)
27. Kansas Geological Survey – Advisory Council Meeting, "Integrated CCS for Kansas", 04/21/17
28. Governor's Conference on the Future of Water in Kansas (Manhattan, Kansas) "Lessons learned from a statewide survey of brine disposal and seismicity in Kansas" 11/15/2016
29. Society of Independent Professional Earth Scientists (Denver, Colorado), "Evaluating potential for induced seismicity through reservoir-geomechanical analysis of fluid injection in the Arbuckle saline aquifer, south-central Kansas", 05/26/16 (Invited)
30. KGS – Advisory Council Meeting, "Investigating injection-induced seismicity through reservoir-geomechanical modeling of the Arbuckle saline aquifer, south-central Kansas", 04/26/16
31. SPE/SEG Workshop: Induced Seismicity – Engineering Integration, Evaluation, and Mitigation Workshop (Fort Worth, Texas), "Investigating injection-induced seismicity through reservoir-geomechanical modeling of the Arbuckle saline aquifer, south-central Kansas", 03/29/16 (Invited)
32. Speaker, KU - University Scholars Seminar on Energy, 02/23/16 (Invited)
33. Joint Meeting of the Groundwater Protection Council, National Rural Water Association, and Interstate Oil and Gas Compact Commission (Oklahoma City, Oklahoma), "Reservoir-geomechanical analysis of fluid injection in the Arbuckle saline aquifer, south-central Kansas", 09/28/15 (Invited)
34. Kansas Environmental Conference (Topeka, Kansas), "Earthquakes in Kansas: An Update of Research at the Kansas Geological Survey, 08/20/15
35. Kansas Geological Society (Wichita, Kansas), "Earthquakes in the southern midcontinent: What we know and what we need to know - Current research at KU and the Kansas Geological Survey", 12/2/14
36. Kansas Geological Survey (Lawrence, Kansas), "Low-temperature thermochronometric constraints on Cenozoic intraplate deformation in the central Basin and Range", 05/08/13 (Invited)
37. ConocoPhillips (Houston, Texas), "Low-temperature thermochronometric constraints on Cenozoic intraplate deformation in the central Basin and Range", 02/18/13 (Invited)
38. AmericaView Fall Technical Meeting, USGS EROS Center (Sioux Falls, South Dakota), "Comparison of Absolute and Relative Radiometric Corrections for Atmospheric Attenuation", 09/25/11
39. Kansas Geographic Information Systems Policy Board Meeting (Topeka, Kansas), "Project GeoHawk", 03/11/11

## **AWARDS & HONORS**

Nominee, CSUSBOffice of Student Research, Faculty Research & Creative Activities Mentor Award, 2025  
Nominee, Geological Society of America, Council, 2024  
Nominee, American Association of Petroleum Geologists, Inspirational Geoscience Educator, 2021  
MU, Unklesbay Travel Award, 2021 (awarded to faculty after successful third-year P&T review)  
MU Early Career Research Development Fellow, 2020-2022  
American Association of Petroleum Geologists, Award of Excellence, Top 10 Oral Presentation, 2015  
KU, Erasmus Haworth Graduate Honors in Geology, 2014  
KU, Geology Department, Ph.D. Final Examination, Pass with Honors, 2014  
International Union of Geological Sciences, Hutchison Young Scientist Award, 2012  
KU, Geology Department, Ph.D. Oral Comprehensive Examination, Pass with Honors, 2011  
UNLV, College of Science, Outstanding Thesis Award, 2006  
UNLV, Graduate and Professional Student Association Poster Award, 1<sup>st</sup> Place, 2004  
Geological Society of America, Cordilleran Section, Student Paper Award, 2002  
Association for Woman Geoscientists, Outstanding Student Award, 2002  
SF State University, College of Science and Engineering, Outstanding Project Award, 2002

## **PROFESSIONAL SERVICE**

Panel Member, U.S. Geological Survey, Educational Mapping Program (EDMAP), 2025-present  
Geological Society of America – Campus Representative, 2024-present  
Geological Society of America – North-Central Section, Executive Committee, Secretary, 2021-2024  
Geological Society of America, Research Grants Committee, Member-at-Large (Structural Geology/Tectonics), 2021-2024  
Geological Society of America – North-Central Section, Outstanding Student Presentation Award Judge, 2022-2023  
Central and Eastern US Earthquake Coordination Committee, 2021-2024  
Co-convener, “Structurally controlled systems: Using field, analytical, and modeling approaches to unravel upper crustal and surface processes in contractional, extensional, and strike-slip orogens”, Geological Society of America Connects 2024, Anaheim, CA  
Co-convener, “Patterns, Drivers, and Implications of Natural and Induced Continental Intraplate Earthquakes”, Geological Society of America, Joint South-Central/North-Central Section Meeting, 2024  
Panel Member, National Science Foundation, Tectonics Program, May 2-4, 2022 and May 10-12, 2023  
Fieldtrip organizer, ICE-D (Informal Cosmogenic-nuclide Exposure-age Database) Workshop, April 28, 2023  
Guest editor, P-cubed Special Issue: “Laurentian evolution during the late Paleozoic: interactions and feedbacks between tectonism, sedimentation, and climate”, 2019-2022  
Co-convener, “Growth and modification of continental crust in extensional and compressional regions”, AGU Fall Meeting, 2021  
Co-convener, “Geophysical Investigations of Crust and Mantle Structure and Dynamics beneath Continents”, Geological Society of America, Joint Section Meeting, 2021  
Co-convener, “Structural Geology and Tectonics I”, Geological Society of America, Annual Meeting, 2020  
Co-convener, “Laurentian evolution during the Late Mississippian to early Permian: interactions and feedbacks between tectonism, climate, and sedimentary systems”, Geological Society of America, Annual Meeting, Phoenix, Arizona, 2019  
Organizing Committee and Chair Technical Sessions, 2019 AAPG Midcontinent Section Meeting in Wichita, Kansas, 2017-2019  
Co-convener, “New Stratigraphic and Structural Concepts for Mid-Continent Plays”, AAPG Midcontinent Section Meeting in Wichita, KS, 2019  
American Association of Petroleum Geologists, Annual Convention and Exhibit, Session Judge, 2019  
Co-convener, “Progress in understanding induced seismicity”, American Association of Petroleum Geologists, Annual Convention and Exhibit, San Antonio, TX, 2019



Co-convener, "Injection-induced seismicity in the US midcontinent: Where are we after a decade", Geological Society of America, Joint Section Meeting, 2019  
 Co-convener, "Holistic Approaches to Coping with Induced Seismicity in the Midcontinent", Geological Society of America, South-Central Section Meeting, 2018  
 Co-convener, "Induced Seismicity in the USA and Canada: Novel Approaches to Causality Assessment", American Geophysical Union, Fall General Assembly, 2017  
 American Geophysical Union, Outstanding Student Presentation Award Judge, 2017-present  
 Panelist and Presenter, National Academies of Sciences, Engineering, & Medicine, Academies Roundtable on Unconventional Hydrocarbon Development, 12/1/16-12/2/16 (Invited)  
 American Association of Petroleum Geologists, Grant-In-Aid Committee, 2014-2020  
 American Association of Petroleum Geologists, Education Committee, 2014-2020  
 State of Kansas – Induced Seismicity Taskforce, 2014-2017  
 President, KU Student Chapter, American Association of Petroleum Geologist, 2010-2011  
 Co-Chair, Short Courses Committee, Annual Meeting of Association of Engineering Geologist, 2005

### **UNIVERSITY / COLLEGE SERVICE**

Team Member, RCC/CSUSB Cross-Institutional Faculty Learning Community, 2025-present  
 Team Member, NSF Project RAISE, College of Natural Sciences, CSUSB, 2023-present  
 Juror, Office of Student Research, Meeting of the Minds Symposium, 2023-present  
 Juror, Office of Student Research, CSUSB Student Research Competition, 2023-present  
 Member, Curriculum Committee, College of Nat. Sciences, CSUSB, 2022-present  
 Member, ASI Student Research & Travel Committee, CSUSB, 2022-2023  
 Member, Status of Women Committee, University of Missouri, 2021-2022  
 Member, Committee on Committees, University of Missouri 2021-2022  
 Panel Member, A&S Junior Faculty Development Series, University of Missouri 10/15/2019 (invited)  
 Mentor, CLAS Faculty Mentor Program, University of Kansas, 2017-2018

### **DEPARTMENTAL SERVICE**

Social Media Coordinator, CSUSB Department of Geological Sciences, 2023-present  
 Chair, Student Recruitment Committee, CSUSB Department of Geological Sciences, 2023-present  
 Faculty Advisor, Geology Club, CSUSB Department of Geological Sciences, 2022-present  
 Organizer, Williamson Family Colloquium Series, MU Department of Geological Science, 2021-2022  
 Bylaw Review Committee, MU Department of Geological Sciences, 2020-2022  
 Salary Advisory Committee, MU Department of Geological Sciences, 2018-2021  
 Graduate Admissions Committee, MU Department of Geological Sciences, 2018-2021  
 P&T Guideline Review Committee, MU Department of Geological Sciences, 2018-2019  
 Code of Conduct Review Committee, MU Department of Geological Sciences 2018-2019  
 Search Committee, MU Department of Geological Sciences – Petrology, 2019-2020  
 Search Committee, MU Department of Geological Sciences – Paleobiology, 2018-2019  
 Search Committee, KU/KGS Energy Research Section – Petroleum Geoscientist, 2017  
 Resume Workshop, KU Department of Geology, 2016 & 2017  
 Awards Committee, KU/KGS Merriam Research Awards, 2015-2018  
 Search Committee, KU/KGS Outreach Coordinator, 2014

### **OUTREACH**

Geoscience Career Presentation and Recruiting, Victor Valley College, 11/26/2024  
 Interview, CSUSB Advising Podcast and YouTube Channel, 03/20/2024  
 San Andreas Fault Hike, Oak Hills High School, Hesperia Unified School District, 03/19/2024  
 Panel Member, Women's History Month, Women in STEM Panel, Crafton Hills College, 03/12/2024  
 STEM Career Fair, Crafton Hills College, 02/21/2024  
 Career Day Presentation, Etiwanda High School, Chaffey Joint Union School District, 10/25/2023, 11/14/2024  
 Career Day Presentation, Smiley Elementary School, Redlands Unified School District, 04/28/2023

Geoscience Career Panel, CSUSB Science Success Center, 03/21/2022  
 QuakeCon (Great ShakeOut Event), College of Natural Sciences, CSUSB, 10/20/2022, 10/19/2023, 10/17/2024  
 HBCU STEM to Geoscience Pipeline (HS2GP): A partnership with Historically Black Colleges and Universities to increase participation of underrepresented students in the geosciences, 2020-2022  
 Introduction to Geoscience Career Paths, Frederick Douglass High School, 03/05/2020 [2021 events cancelled due to COVID-19]  
 Show Me Mizzou Day - Open House, 04/13/2019  
 Career Day Presentation, Grant Elementary School, Columbia Public School District, 03/21/2019  
 Participant, Legislative "Shaking Hands" event, Missouri State Capital, 2019-2020  
 Induced Seismicity Presentation, Wichita Rotary Club, "What's shaking Kansas?", 4/17/2017 (invited)  
 Geology Field-based Show and Tell with 7<sup>th</sup> grader's Fairfield Middle School, 10/24/2016  
 Speaker, KU – University Scholars, Honors Program: "Are humans causing earthquakes?", 02/23/2016  
 Seismic Waves Presentation, Heartland Elementary, Blue Valley Unified School District, 2016  
 Volunteer, Kansas Geological Survey – Earth Day Booth, 2015  
 Teaching Aid, Core Workshop for KU – OSHER Lifelong Learning Institute, 2014  
 Geoscience Recruiter, ExxonMobil, 2007-2009  
 Instructor, Harris Foundation Summer Science Camp, 2008  
 Coordinator, ExxonMobil, New Hire Skill Area Forums, 2006-2008  
 Lead, Geoscience Track of UNLV Summer Career College (U.S. Dept. of Education - GEAR UP), 2004

### **PROFESSIONAL DEVELOPMENT ACTIVITIES**

Assessment Remix Institute, Faculty Center for Excellence, CSUSB, 2024  
 Geological Society of America, Kirk Bryan Field Trip: The Holocene Trace of the San Andreas Fault through San Geronio Pass, September 21, 2024  
 Geological Society of America Fieldtrip: San Andreas Fault at Wallace Creek and Parkfield, CA, September 26, 2024  
 SEPM, Pacific Section Fieldtrip: Geology of the Blue Diamond-Mountain Springs Pass area, Spring Mountains, Nevada, March 9-10, 2024  
 NSF Project RAISE, Faculty Learning Community, College of Natural Science, CSUSB, 2023-present  
 NSF ISSUES-X, New Faculty Learning Community, College of Natural Sciences, CSUSB, 2022-2023  
 Faculty Development Certificate Program, CSUSB, 2022-2023  
 Fall Canvas Institute, CSUSB, 2022  
 American Association of College & University Educators, Certificate in Effective College Instruction, 2020

### **BIDGOLI RESEARCH GROUP STUDENTS**

#### **Current Advisees and Team Members**

Hunter Harger, M.S. (Cal State – San Bernardino, expected December 2026)  
 Syunsuke "Sunny" Hasuka, M.S. (Cal State – San Bernardino, expected May 2026)  
 Jillian Bottini, M.S. (Cal State – San Bernardino, expected May 2026)  
 Alicia Borchmann, M.S. (Cal State – San Bernardino, expected December 2025)  
 Gideon "Skye" El-Rahi, M.S. (Cal State – San Bernardino, expected May 2025)  
 Emily Bridges, B.S. (Cal State – San Bernardino, expected May 2026)  
 Derek Abeln, B.S. (Cal State – San Bernardino, expected May 2026)  
 Andrew Huynh B.S. (Cal State – San Bernardino, expected May 2026)  
 Andres Tagle, B.S. (Cal State – San Bernardino, expected May 2026)  
 Trent Muha, B.S. (Cal State – San Bernardino, expected May 2026)  
 Jonathan Rodriguez – B.S. (Cal State – San Bernardino, expected December)  
 Ricardo Nuno Gutierrez, B.S., (Cal State – San Bernardino, expected May 2025)  
 Kim Moore, Ph.D. (Univ. of Missouri, expected May 2025)

#### **Past Advisees**

Jasmyn Garland, B.S. (Cal State – San Bernardino, December 2024)

Valerie Sosa, B.S. (OSR USRP Intern, Riverside City College, June-August 2024) – Student at RCC  
 Joseph Santana, B.S. (OSR USRP Intern, Riverside City College, June-August 2024) – Student at RCC  
 Syunsuke “Sunny” Hasuka, B.S. (Cal State – San Bernardino, May 2024) – M.S. at CSUSB  
 Jillian Bottini, B.S. (Cal State – San Bernardino, May 2024) – M.S. at CSUSB  
 Sean Polun, Post-doctoral Researcher (Univ. of Missouri, June 2019-March 2024) – Verisk  
 Ashley Stroup, B.S. (Cal State – San Bernardino, May 2023) – Ph.D. at UC Riverside  
 Taylor Murphy, M.S. (Univ. of Missouri, August 2023) – Geoscientist with Burns & McDonnell  
 Noah Cadwell, B.S. (Univ. of Missouri, March 2020-May 2022) – U.S. Geological Survey  
 Nathan Reed, M.S. (Univ. of Missouri, August 2022) – Geoscientist with Terracon Consultants, Inc.  
 Katherine Ludwig, M.S. (Univ. of Missouri, August 2022) – Instructor at Univ. of Tenn. - Chattanooga  
 Qian Zhao, Ph.D. Visiting Scholar (Univ. of Missouri, January 2020-October 2021) – Postdoc. at CUG  
 Kenny Edge, M.S. (Univ. of Missouri, May 2022) – Geosyntec Consultants  
 Daniel Shi, B.S. (Univ. of Missouri; August 2021) – Ph.D. at Baylor University  
 Begum Kurtoglu, M.S. (Univ. of Missouri; July 2020) – Geoscientist with WSP  
 Wei Wang, Post-doctoral Researcher (Univ. of Missouri; December 2018-July 2019) – Faculty at CUG  
 Esmail Ansari, Postdoctoral Scholar (Univ. of Kansas; August 2017-June 2019) – Scientist w/ DigiSure  
 Jeffrey Jennings, M.S. (Univ. of Kansas; did not complete) – Landscaper  
 Andrew Hollenbach, M.S. (Univ. of Kansas; January 2017-May 2019) – Ph.D. at University of Kansas  
 Kathleen Graham, M.S. (Univ. of Kansas; Sept. 2016-February 2019) – Geoscientist with Chesapeake  
 Wei Wang, Ph.D. Visiting Scholar (Univ. of Kansas; September 2015-October 2017) – Faculty at CUG  
 Drew Schwab, M.S. (Univ. of Kansas; September 2014-December 2016) – Geoscientist with Chevron  
 James Tyrrell, M.S. (Univ. of Kansas; September 2014-December 2016) – Geoscientist w/ ConocoPhillips  
 Jeffrey Jennings, Kansas Geological Survey Intern (September 2016-December 2017) – Landscaper  
 Kelsey Lamer, Kansas Geological Survey Intern (May 2017-August 2017) – KS Dept. of Health and Envir.  
 Christa Jackson, Kansas Geological Survey Intern (May 2015-June 2016) – Homemaker  
 Minh Nguyen, Kansas Geological Survey Intern (May 2014-May 2015) – Geoscientist with LANL

### **Funding and Honors Awarded to Bidgoli Research Group Students**

CSUSB, College of Natural Sciences, Outstanding Student Award to Syunsuke Hasuka, 2024  
 CSUSB, Department of Geological Sciences, Outstanding Student Award to Syunsuke Hasuka, 2024  
 CSUSB, Department of Geological Sciences, Outstanding Student Award to Jill Bottini, 2024  
 Meeting of the Minds, Student Research Symposium, Best Undergraduate Poster to Jill Bottini, 2024  
 Edison STEM-NET Student Research Fellowship to Syunsuke Hasuka, 2024  
 CSUSB, College of Natural Sciences, Outstanding Student Award to Ashley Stroup, 2023  
 CSUSB, Department of Geological Sciences, Outstanding Student Award to Ashley Stroup, 2023  
 Geological Society of America, Student Research Grant to Taylor Murphy, 2022  
 American Association of Petroleum Geologists, Grants-In-Aid to Katherine Ludwig, 2022  
 American Association of Petroleum Geologists, Grants-In-Aid to Nathan Reed, 2022  
 Missouri Geological Survey Annual Research Colloquium, 1<sup>st</sup> Place, Kimberly Moore, 2021  
 Missouri Geological Survey Annual Research Colloquium, 2<sup>nd</sup> Place, Katherine Ludwig, 2021  
 NSF StraboSpot, Field Research Grant to Nathan Reed, 2021  
 NSF StraboSpot, Field Research Grant to Kimberly Moore, 2021  
 American Association of Petroleum Geologists, Grants-In-Aid to Kimberley Moore, 2021  
 Geological Society of America, Student Research Grant to Kimberly Moore, 2020  
 Geological Society of America, North-Central Section Research Grant to Daniel Shi, 2020  
 American Association of Petroleum Geologists, Grants-In-Aid to Kenny Edge, 2020  
 American Association of Petroleum Geologists, Grants-In-Aid to Begum Kurtoglu, 2020  
 John and Betty Marshall Opportunities for Excellence Scholarship to Begum Kurtoglu, 2019  
 AAPG, Division of Environmental Sciences, Best Paper Award to Andrew Hollenbach, 2018  
 First Runner Up, Houston Geological Society, Mudrocks Conference, to Jeffrey Jennings, 2018  
 Kansas Geological Foundation Grant to Jeffrey Jennings, 2018  
 Norman Plummer Outstanding Student Award to Jeffrey Jennings, 2017  
 Capitol Graduate Research Summit Invitation to Jeffrey Jennings, 2017  
 American Association of Petroleum Geologists, Grants-In-Aid to Katie Graham, 2017

Association for Woman Geoscientists Research Scholarship to Katie Graham, 2017  
Kansas Geological Foundation Grant to Katie Graham, 2017  
Association of Earth Science Clubs of Greater Kansas City Scholarship to Katie Graham, 2017  
KU Frederick T. Holden Scholarship to Katie Graham, 2017  
Geological Society of America, Student Research Grant to Drew Schwab, 2015

### **Graduate Thesis Committee**

Nirusha Shrestha, Ph.D. (Univ. of Cincinnati; expected May 2027)  
Sara McCarty, M.S. (CSUSB, expected May 2026)  
Jacob Baker, M.S. (CSUSB, expected December 2025)  
Sevag Injean, M.S. (CSUSB, expected May 2025)  
Ryan Owens, M.S. (Univ. of Missouri; December 2024)  
Mohimanul Islam, Ph.D. (MU; expected May 2024; committee appointment ended with start at CSUSB)  
Eusebius Kutsienyo, Ph.D., (MU; May 2023; committee appointment ended with start at CSUSB)  
Utku Kocum, Ph.D. (MU; May 2024; committee appointment ended with start at CSUSB)  
Gozde Altuntas, M.S. (MU; August 2022)  
Julie Heins, M.S. (MU; December 2021)  
Michael Olaniran, M.S. (MU; May 2020)  
Allison Alcott, M.S. (MU; May 2020)  
Anna Kulynych, M.S. (MU; August 2019)  
Adam Jones, M.S. (Univ. of Cinn., August 2019)  
Alex Nolte, Ph.D. (KU; December 2020)  
Brandon Graham, M.S. (KU; did not complete)  
Ryan Keast, M.S. (Kansas State Univ.; May 2018)

### **TEACHING EXPERIENCE**

#### **California State University – San Bernardino**

Instructor, GEOL 1000L: Introductory Geology Laboratory, Spring 2023  
Instructor, GEOL 1000: Introductory Geology, Fall 2022, 2024  
Instructor, GEOL 3100: Introduction to Geologic Mapping, Fall and Spring 2023  
Instructor, GEOL 3600: Structural Geology, Spring 2023, Spring 2025  
Instructor, GEOL 3903: Advanced Field Geology, Fall 2022, 2023, 2024  
Instructor, GEOL 5000: Geochronology, Spring 2025

#### **Prior Institutions**

Instructor, GEOL 1200: Environmental Geology – Spring 2022 (MU)  
Instructor, GEOL 8200: Advanced Structural Geology – Spring 2022 (MU)  
Instructor, GEOL 8170: Radiogenic Isotope Geochemistry –Fall 2021 (MU)  
Instructor, Geol 8450: Tectonics and Sedimentation – Spring 2021 (MU)  
Instructor, Geol 8002: Extensional Tectonics – Fall 2020 (MU)  
Instructor: GEOL 7002: Research Methods and Writing in Geoscience – Fall 2019, 2020 (MU)  
Instructor, Geol 4007/7002: Thermochronology and Tectonics – Fall 2019 (MU)  
Guest Lecturer, GH 2461: From Molecules to the Cosmos (Honors College) – Fall 2019, 2021 (MU)  
Instructor, Geol 1400: Past, Present, and Future of Petroleum – Spring 2019, Fall 2020 (MU)  
Instructor, Geol 7002: Fundamentals of Petroleum Exploration – Spring 2019 (MU)  
Instructor, Geol 2130: Physical Geology for Scientists and Engineers – Fall 2018, Spring 2020 (MU)  
Instructor, GEOL 791: Advanced Topics in Geology: Thermochronology and Tectonics –Spring 2017 (KU)  
Co-Instructor, GEOL 771: Advanced Geophysics – Spring 2016 (KU)  
Instructor, GEOL 891: Special Studies in Geology: (U-Th)/He Thermochronology – Spring 2015 (KU)  
Co-Instructor, GEOL 791: Advanced Topics in Geology: Induced Seismicity in Kansas – Spring 2015 (KU)  
Co-Instructor, GEOL 332: Geology for Petroleum Engineers – Spring 2015 (KU)  
Instructor, GEOL 562L: Structural Geology Lab (KU and UNLV)  
Teaching Assistant and Instructor, Field Camp (Geologic Field Mapping Courses, KU and UNLV)

Teaching Assistant, Geophysical Methods (UNLV)  
Instructor, Historical Geology Lab (UNLV)  
Co-Instructor, Fundamental Structural and Stratigraphic Concepts Field School (ExxonMobil)  
Co-Instructor, Extensional Tectonics (Death Valley Field School) (ExxonMobil)  
Lecturer, Integrated Exploration School (ExxonMobil)  
Lecturer & Teaching Assistant, Fundamentals of Geoscience Subsurface Interpretation (ExxonMobil)  
Teaching Assistant, Integrated Basin Analysis (Bighorn Basin Field School) (ExxonMobil)  
Teaching Assistant, Salt Tectonics (La Popa Basin Field School) (ExxonMobil)

**PROFESSIONAL AFFILIATIONS**

American Geophysical Union  
Association of Environmental and Engineering Geologists  
Geological Society of America  
Society for Sedimentary Geology