

FOLARIN KOLAWOLE, Ph.D.

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Current Position:

Assistant Professor of Structural Geology, Columbia University, New York, U.S.

Areas of Expertise:

Structural Geology, Tectonics, Geophysics, Rock Mechanics

Professional Appointments:

Assistant Professor of Structural Geology, Columbia University	07/2022 - present
Adjunct Associate Research Scientist, Lamont-Doherty Earth Observatory	11/2021-06/2022
Upstream Structural Geologist, BP America	08/2020-05/2022
Structural Geology Intern, BP America	05/2019-08/2019
Structural Geology Intern, Chesapeake Energy	05/2018-08/2018
Graduate Research & Teaching Assistant, University of Oklahoma	08/2017-07/2020
Graduate Teaching Assistant, Oklahoma State University	08/2015-07/2017
On-site QC seismologist, BGP-CNPC, Nigeria	10/2010-02/2014

Education:

University of Oklahoma

Doctor of Philosophy: Geophysics August 2020
Emphasis: Structural Geology, Geomechanics, Geophysics
Advisers: Brett M. Carpenter and Ze'ev Reches

Oklahoma State University

Masters of Science: Geology August 2017
Emphasis: Active Tectonics, Near-Surface Geophysics
Advisers: Estella A. Atekwana and Mohamed Abdel Salam

Federal University of Technology, Akure (F.U.T.A.), Nigeria

Bachelor of Technology: Geology October 2008
Emphasis: Structural Geology, Remote Sensing
Adviser: Yekini B. Anifowose

My Research

- Growth of early-stage continental rifts at sub-segment, segment, and system scales
- Late-rift deformation of rifted continental margins
- Basement (& basement-sedimentary interface) structure, and influence on seismogenic fault reactivation in areas of fluid injection induced seismicity
- Structural geophysics of coseismic surface deformation zones
- Inherited fracture networks and pore structure of carbonate reservoirs with implications for carbon storage

- Origin of cratonic intraplate earthquakes

Teaching Experience

<u>Co-Instructor: <i>Death Valley Field Excursion</i></u> (Columbia University)	2023
<u>Primary Instructor: <i>Crustal Deformation</i></u> (Columbia University)	2022
<u>Teaching Assistant: <i>Structural Geology</i></u> (Univ. of Oklahoma)	2019
<u>Field Teaching Assistant: <i>3-Day Field Trip on the Geology of Oklahoma for New Graduate Students</i></u> (Univ. of Oklahoma)	2019
<u>Teaching Assistant: <i>Structural Geology & Stratigraphy for Engineers</i></u> (Univ. of Oklahoma)	2019
<u>Teaching Assistant: <i>Structural Geology</i></u> (Univ. of Oklahoma)	2018
<u>Teaching Assistant: <i>Geology & Human Affairs</i></u> (Oklahoma State Univ.)	2017
<u>Teaching Assistant: <i>Introduction to Geophysics</i></u> (Oklahoma State Univ.)	2016
<u>Teaching Assistant: <i>Geology & Human Affairs</i></u> (Oklahoma State Univ.)	2015

Fellowship:

- Chris J. Cheatwood Geology & Geophysics Graduate Scholarship Award (University of Oklahoma) August 2018
- Decker Dawson Graduate Fellowship in Geophysics (Oklahoma State University) August 2016
- Skinner Geology Graduate Fellowship (Oklahoma State University) August 2015

Other Awards:

- 2nd Place Best Poster Presentation at the ConocoPhillips Research Symposium, University of Oklahoma April 2019
- 1st Place Best Poster Presentation at the 2019 AAPG Spring-Break Student Expo March 2019
- 2018 Ben Hare Excellence in Research Award, School of Geosciences, University of Oklahoma May 2018
- 2018 Geological Society of America (GSA) Research Grant Award April 2018
- 3rd Place Best Poster Presentation at the 2018 AAPG Spring-Break Student Expo March 2018
- Best Poster Presentation at AAPG-ConocoPhillips TechFest 2017 Conference, Oklahoma State University March 2017

Professional Activities:

Society Memberships

- Member, American Geophysical Union (AGU)*
- Member, European Geophysical Union (EGU)*
- Member, National Association of Black Geoscientists (NABG)*
- Member, Geological Society of America (GSA)*

Member, American Association of Petroleum Geologists (AAPG)

Journal Editing

- *Associate Editor* Feb. 2021-Current
Geochemistry, Geophysics, Geosystems (AGU journal)
- *Associate Editor* May 2022-Current
Frontiers in Earth Science - *Structural Geology & Tectonics*
- *Editorial Board Member* Nov. 2020-Current
ES³ (The Geological Society of London Journal)
- *Guest Editor, Special issue: Structural Inheritance at Tectonic Margins* 2022-Current
Journal: Frontiers in Earth Science
- *Guest Editor, Special issue: Advances in African Earth Sciences* 2021-2022
Journal: Frontiers in Earth Science

Journal Manuscript Review

Tectonics
Earth and Planetary Physics
EGU Solid Earth
SEG Interpretation
Journal of African Earth Sciences
Tectonophysics
Basin Research
Italian Journal of Geosciences

Scientific Meeting Convening

- *Convener*, AGU 2022 session T010: From Rift to Ridge: The Roles of Faulting, Fluids, Surface Processes, and Tectonic Inheritance
- *Co-Convener*, AGU 2021 session T023: Recent Advances and Future Directions in Studying the Geology and Tectonics of Africa
- *Co-Convener*, AGU 2020 session T028: Recent Advances and Future Directions in Studying the Tectonics and Geodynamics of Africa
- *Co-Convener*, GSA 2020 session T21: The Geology of Induced Seismicity

Leadership Roles

- *Organizing Committee member*, GFZ Rifts and Rifted Margins Seminar 2021 - Present
- *Coordinating committee member*, EGU TS-Must Read Papers 2020 - 2020
- *Social Media Coordinator*, National Association of Black Geoscientists (NABG) 2017 - 2020
- *Outdoor Trip Coordinator*, AAPG OSU Student Chapter 2016 – 2017

Invited Talks:

----- 2022-----

- 10/2022 - New Mexico Tech.
- 09/2022 - Syracuse University
- 09/2022 - UMASS, Amherst
- 05/2022 - PEMEX Mexico
- 05/2022 - AAPG Petroleum Structure and Geomechanics Division
- 04/2022 - Geological Survey of Brazil

02/2022 - Georgia Tech.
02/2022 - Dallas Geological Society (DGS)

----- 2021-----

12/2021 - AGU Fall Meeting, Session T001 “Advances in our understanding of magma-poor and magma-rich rifting processes”
11/2021 - Tulane University
10/2021 - GSA Annual Meeting (Connects 2021)
09/2021 - University of Alaska Anchorage
06/2021 - United States Geological Survey, California
06/2021 - NSF/GeoPRISMS Rift2Ridge Margins meeting
05/2021 - Ruhr-Universität Bochum (RUB)
04/2021 - Virginia Tech. (VT)
03/2021 - University of St. Andrews
02/2021 - Cambridge University
02/2021 - University of California, Davis (UC Davis)
01/2021 - Utah State University (USU)

-----2020-----

12/2020 - AGU Fall Meeting, PPEM Session MR028
11/2020 - GFZ Potsdam Rifts & Rifted Margins Webinar

Publications

---Peer-Reviewed---

33. Brune, S., **Kolawole, F.**, Olive, J-A., Stamps, S., Buck, W.R., Buiters, S., Furman, T., Shillington, D.J. (2023). Geodynamics of continental rift initiation and evolution. **Accepted**, Nature Reviews Earth & Environment. Preprint at EarthArXiv: <https://eartharxiv.org/repository/view/3144/>
32. Chisenga, S., **Kolawole, F.**, Atekwana, E.A., Yan, J., Rajaonarison, T., Shemang, E.M. (2023). Localization of Large Intraplate Earthquakes along Faulted Density-Contrast Boundaries: Insights from the 2017 Mw6.5 Botswana Earthquake. *Journal of African Earth Sciences*, 197, 104752. *Doi: 10.1016/j.jafrearsci.2022.104752.*
31. Williams, J.N., Wedmore, L.N.J., Fagereng, A., Werner, M.J., Mdala, H., Shillington, D., Scholz, C.A., **Kolawole, F.**, Wright, L.J.M., Biggs, J., Dulanya, Z., Mphepo, F., Chindandali, P.R.N. (2022). Geologic and geodetic constraints on the seismic hazard of Malawi’s active faults: The Malawi Seismogenic Source Database (MSSD). *Natural Hazards and Earth System Sciences*, 22, 3607–3639.
30. Nkodia, H. M. D-V., Miyouna, T., **Kolawole, F.**, Boudzoumou, F., Loemba, A.P.R., Bazebizonza, N.C.T., Damien, D. (2022). Seismogenic Fault Reactivation in Western Central Africa: Insights from Regional Stress Analyses. *Geochemistry, Geophysics, Geosystems*, 23 (11), e2022GC010377.
29. **Kolawole, F.**, Vick, T., Atekwana, E.A., Laó-Dávila, D.A., Costa, A.G., and Carpenter, B.M. (2022). Strain Localization and Migration During the Pulsed Lateral Propagation of the Shire Rift Zone, East Africa. *Tectonophysics*, 839, 229499. *doi: 10.1016/j.tecto.2022.229499.*

28. Dulanya, Z., Gallen, S.F., **Kolawole, F.**, Williams, J.N., Wedmore, L.N.J., Biggs, J., Fagereng, Å (2022). Knickpoint Morphotectonics of the Middle Shire River Basin: Implications for the Evolution of Rift Interaction Zones. *Basin Research*. doi: 10.1111/bre.12687.
27. Chase, B.F., **Kolawole, F.**, Atekwana, E.A., Carpenter, B.M., Turko, M., Abdelsalam, M.G., and Finn, C. (2022). The 180 km-Long Meers-Willow Fault System in the Southern Oklahoma Aulacogen: A Potential US Mid-Continent Seismic Hazard. *GSA Bulletin*,
26. Williams, J.N., Wedmore, L.N.J., Scholz, C.A., **Kolawole, F.**, Wright, L.J.M., Shillington, D., Fagereng, A., Biggs, J., Mdala, H., Dulanya, Z., Mphepo, F., Chindandali, P.R.N., Werner, M.J. (2022). The Malawi Active Fault Database: an onshore-offshore database for regional assessment of seismic hazard and tectonic evolution. *Geochemistry, Geophysics, Geosystems*, 23, e2022GC010425. doi: 10.1029/2022GC010425 (Open access).
25. Ojo, O.O., Ohenhen, L., **Kolawole, F.**, Johnson, S.G., Chindandali, P.R., Atekwana, E.A., Laó-Dávila, D.A. (2022). Under-Displaced Normal Faults: Strain Accommodation along an Early-Stage Rift-Bounding Fault in the Southern Malawi Rift. *Frontiers in Earth Science*. v. 10. doi: 10.3389/feart.2022.846389 (Open access).
24. Olugboji, T.M., Shirzaei, M., Lu, Y., Adepelumi, A.A., **Kolawole, F.** (2021) On the Origin of Orphan Tremors & Intraplate Seismicity in Western Africa. *Frontiers in Earth Science*. doi: 10.3389/feart.2021.716630
23. **Kolawole F.**, Firkins, M.C., Al Wahaibi, T.S., Atekwana, E.A., Soreghan, M.J. (2021). Rift interaction zones and the stages of rift linkage in active segmented continental rift systems. *Basin Research*. Doi: 10.1111/bre.12592.
22. **Kolawole F.**, Phillips, T.B., Atekwana, E.A., Jackson, C.A-L. (2021). Structural Inheritance Controls Strain Distribution During Early Continental Rifting, Rukwa Rift. *Frontiers in Earth Science*. Doi:10.3389/feart.2021.707869
21. Hamilton, M., Carpenter, B.M., Johnston, C.S., **Kolawole, F.**, Evans, S.C. and Elmore, R.D., 2021. Fractured, altered, and faulted basement in northeastern Oklahoma: Implications for induced seismicity. *Journal of Structural Geology*, p.104330. doi:10.1016/j.jsg.2021.104330.
20. Kolawole O., Ispas I., **Kolawole F.**, Gernay C., McLennan J.D. Mechanical zonation of rock properties and the development of fluid migration pathways: implications for enhanced geothermal systems in sedimentary-hosted geothermal reservoirs. *Geothermal Energy*, doi:10.1186/s40517-021-00195-y.
19. Patel, S., **Kolawole, F.**, Walter, J.I., Chen, X., and Marfurt, K.J. (2020). Seismic illumination of small-throw seismogenic faults, Anadarko Basin, Oklahoma. *Interpretation*, vol. 9, no. 2; p. SE35–SE51, doi:10.1190/INT-2020-0135.1.
18. Firkins, M., **Kolawole, F.**, Marfurt, K.J., and Carpenter, B.M. (2020). Attribute-assisted characterization of basement faulting and the associated sedimentary sequence deformation in north-central Oklahoma. *Interpretation*, 8(4), SP175-SP189, doi:10.1190/INT-2020-0053.1.
17. Clairmont, R., **Kolawole, F.**, Omale, A.P., and Bedle, H. (2020). Controls of pre-existing structures on clinoform architecture and the associated progradational system elements. *Basin Research*, 00, 1– 28, doi:10.1111/bre.12487.

16. **Kolawole, F.**, Carpenter, B.M., and Simpson-Turko, M. (2020) Basement-controlled deformation of sedimentary sequences, Anadarko Shelf, Oklahoma. *Basin Research*, 32, 1365–1387, doi:10.1111/bre.12433.
15. Qin, Y., Chen, X., Walter, J.I., Haffener, J., Trugman, D.T., Carpenter, B.M., Weingarten, M., and **Kolawole, F.** (2019) Deciphering the stress state of seismogenic faults in Oklahoma and southern Kansas based on an improved stress map. *Journal of Geophysical Research: Solid Earth*, 124, 12920–12934, doi:10.1029/2019JB018377.
14. Njinju, E. A., Atekwana, E. A., Stamps, D. S., Abdelsalam, M. G., Atekwana, E. A., Mickus, K. L., Fishwick, S., **Kolawole, F.**, Rajaonarison, T. A., and Nyalugwe, V. N. (2019). Lithospheric structure of the Malawi Rift: Implications for magma-poor rifting processes. *Tectonics*, 38, doi: 10.1029/2019TC005549.
13. **Kolawole, F.**, Johnston, C.S., Morgan, C.B., Chang, J.C., Marfurt, K.J., Lockner, D.A., Reches, Z., and Carpenter, B.M. (2019) The susceptibility of Oklahoma's basement to seismic reactivation. *Nature Geoscience*, 12(10), 839-844, doi: 10.1038/s41561-019-0440-5.
12. Njinju, E. A., **Kolawole, F.**, Atekwana, E.A., Stamps, D.S., Atekwana, E.A., Abdelsalam, M.G., Mickus, K.L. (2019). Terrestrial heat flow in the Malawi Rifted Zone, East Africa: Implications for tectono-thermal inheritance in continental rift basins. *Journal of Volcanology and Geothermal Research*, 387, 106656, doi:10.1016/j.jvolgeores.2019.07.023.
11. Heilman, E., **Kolawole, F.**, Atekwana, E.A. and Mayle, M. (2019). Controls of basement fabric on the linkage of rift segments. *Tectonics*, 38(4), 1337-1366, doi:10.1029/2018TC005362.
10. Qin, Y., Chen, X., Carpenter, B.M., and **Kolawole, F.** (2018). Coulomb stress transfer influences fault reactivation in areas of wastewater injection. *Geophysical Research Letters*, doi:10.1029/2018GL079713.
9. **Kolawole, F.**, Atekwana, E.A., Laó-Dávila, D.A., Abdel Salam, M.G., Chindandali, P.R., Salima, J., and Kalindekafe, L. (2018). Active deformation of Malawi rift's north basin Hinge zone modulated by reactivation of pre-existing Precambrian Shear zone fabric. *Tectonics*, 37(3), 683-704, doi:10.1002/2017TC004628.
8. **Kolawole, F.**, Atekwana, E.A., Laó-Dávila, D.A., Abdel Salam, M.G., Chindandali, P.R., Salima, J., and Kalindekafe, L. (2018). High-resolution electrical resistivity and aeromagnetic imaging reveal the causative fault of the 2009 M w 6.0 Karonga, Malawi earthquake. *Geophysical Journal International*, 213(2), 1412-1425, doi:10.1093/gji/ggy066.
7. **Kolawole, F.**, Atekwana, E.A., Malloy, S., Stamps, D.S., Grandin, R., Abdel Salam, M.G., Leseane, K. and Shemang, E.M. (2017). Aeromagnetic, gravity, and Differential Interferometric Synthetic Aperture Radar analyses reveal the causative fault of the 3 April 2017 Mw 6.5 Moiyabana, Botswana, earthquake. *Geophysical Research Letters*, 44(17), pp.8837-8846, doi:10.1002/2017GL074-620.
6. **Kolawole, F.**, Atekwana, E.A., and Ismail, A. (2017). Near-surface electrical resistivity investigation of coseismic liquefaction-induced ground deformation associated with the 2016 Mw 5.8 Pawnee, Oklahoma, earthquake. *Seismological Research Letters*, 88(4), 1017-1023, doi:10.1785/0220170004.

5. Anifowose, A.Y.B., and **Kolawole, F.** (2014). Appraisal of the geotourism potentials of the Idanre Hills, Nigeria. *Geoheritage*, 6(3), 193-203, doi:10.1007/s12371-014-0100-5.
4. Anifowose, A.Y.B., and **Kolawole, F.** (2012). Emplacement Tectonics of Idanre Batholith, West Africa. *Comunicação Geológicas*, 99(2).
3. Anifowose, A.Y.B., and **Kolawole, F.** (2012). Tectono-hydrological study of Akure metropolis, Southwestern Nigeria. *Special Publication of the Nigerian Association of Hydrological Sciences*, 106-120.
2. **Kolawole, F.**, and Anifowose, A.Y.B. (2011). Talus caves: Geotourist attractions formed by spheroidal and exfoliation weathering on Akure-Ado Inselbergs, Southwestern Nigeria. *Ethiopian Journal of Environmental Studies and Management*, 4(3), 1-6, doi:10.4314/ejesm.v4i3.1.
1. **Kolawole, F.**, and Anifowose, A.Y.B. (2011). Remote sensing analysis of a dextral discontinuity along Ifewara-Zungeru area, Nigeria, West Africa. *Indian Journal of Science and Technology*, 4(1), 46-51.

---Preprints & Papers in Review/Revision---

2. Shaban, S., Scholz, C.A., **Kolawole, F.** The Deep Basin and Underlying Basement Structure of the Tanganyika Rift. *Submitted to Tectonics*.
1. Li, P., Nakata, N., **Kolawole, F.**, Carpenter, B.M. Towards the Usage of Quarry Blasts as an Active Seismic Source for Subsurface Characterization and Imaging. *In revision, Seismological Research Letters*.

---Others (Thesis, Conference Extended Abstracts, and Magazine Articles)---

6. **Kolawole, F.** (2020). The Roles of Structural Inheritance in Regions of Induced Seismicity and Active Tectonics. *PhD Dissertation, University of Oklahoma*.
5. **Kolawole, F.**, Carpenter, B.M., and Turko Simpson, M. (2019) The Intra-Basement Reflectors in the STACK Area of Oklahoma: What are they really? *AAPG Explorer*, April 2019.
4. Chopra, S., Marfurt, K.J., **Kolawole, F.**, and Carpenter B.M. (2018). Nemaha strike-slip fault expressions on 3D seismic data in the SCOOP trend of Oklahoma. *AAPG Explorer*, June 2018.
3. Atekwana, E.A., **Kolawole, F.**, Ismail, A., and Harding, J.K. (2017). Assessing earthquake rupture zones: An integrated Electrical and Aeromagnetic Approach. In International Conference on Engineering Geophysics, Al Ain, United Arab Emirates, 9-12 October 2017, *Society of Exploration Geophysicists (SEG)*.
2. **Kolawole, F.** (2017). Mw 6.0 Karonga, Malawi Earthquake Occurred on Cenozoic Faults That Reactivated Precambrian Shear Zone: Evidence from Aeromagnetic and Electrical Resistivity Imaging. *MSc Thesis, Oklahoma State University*.
1. **Kolawole, F.** (2008). Brittle Deformation of a Basement Massif in southwest Nigeria, Idanre Batholith. *BSc Thesis, Federal University of Technology, Akure, Nigeria*.

Conference Abstracts & Presentations (last 3 years):

-----2022-----

- Kolawole, F.**, Xue, L., Dulanya, Z. Early Versus Delayed Coalescence of Propagating Rifts: The Role of Rift Interaction Zone Geometry. *AGU Fall Meeting abstract #T12C-0091*.
- Ajala, R., **Kolawole, F.**, Menke, W.H. Crustal Shear Wave Splitting Patterns in the southern Tanganyika-Rukwa Rift Zone, East Africa. *AGU Fall Meeting abstract #T12C-0089*.
- Boston, P., **Kolawole, F.**, Katumwehe, A.B., Kiberu, J.M., Atekwana, E.A. (2022). Coupling of Displacement and Basement Damage Distribution Across a Border Fault Relay Zone, Toro-Bunyoro Fault, Albertine Rift. *AGU Fall Meeting abstract #T15A-02*.
- Njinju, E.A., Atekwana, E.A., **Kolawole, F.** (2022). Coseismic static stress transfer between propagating faults promotes intra-rift faulting: Insights from the 2009 Mw 6.0 and 2014 Mw 5.2 Karonga Earthquakes, Malawi Rift. *AGU Fall Meeting abstract #T15A-01*.
- Legre, J.-J., Qin, Y., **Kolawole, F.**, Olugboji, T.M. (2022). The Seismicity of West Africa: Construction of a Focal Mechanism Catalog with a Sparse Dataset. *AGU Fall Meeting abstract #T25D-0160*.
- Stamps, D.S., Atekwana, E.A., Atekwana, E., van der Lee, S., Taylor, M., Katumwehe, A., Evans, R., Tugume, F., Aanyu, K., Fishwick, S., Barry, P. et al. (2022). The DRIAR Project: Dry-Rifting In the Albertine-Rhino Graben, Uganda. *AGU Fall Meeting abstract #T12C-0088*.
- Foluso, J., Atekwana, E., **Kolawole, F.**, Atekwana, E.A., Evans, R.L., Taylor, M.H., Katumwehe, A.B., Tugume, F., Kiberu, J.M., Fishwick, S., Barry, P.H. et al. (2022). Hydrogeochemistry and Geothermometry of the Hot Springs Along the Magma-poor Western branch of the East African Rift System. *AGU Fall Meeting abstract #V52E-0038*.
- Kolawole, F.**, Dangwal, D., Reches, Z., Carpenter, B.M. (2022). Internal structure of a large fault-zone in the granitic basement of Oklahoma: A potential fracture-controlled conduit for fluid flow. *Gordon Research Conference on Crustal Deformation, Maine*.

-----2021-----

- Kolawole F.**, Firkins, M.C., Al Wahaibi, T.S., Atekwana, E.A., and Soreghan, M.J. (2021). Progressive lateral propagation, interaction, and linkage of active rift segments: Insights from the East African Rift System. *AGU Fall Meeting abstract #796255*.
- Ojo, O., Ohenhen, L., **Kolawole, F.**, Atekwana, E.A., Laó-Dávila, D.A. (2021). Strain accommodation along early-stage rift-bounding faults, Bilila-Mtakataka Fault, Southern Malawi. *AGU Fall Meeting abstract #961605*.
- Atekwana, E.A., **Kolawole, F.** (2021). Recipe for magma-deficient rifting: Tectonic memory or magmatism? *AGU Fall Meeting abstract #900960*.
- Mongovin, D., Mwongyera, H., Taylor, M.H., Stamps, S.D., Atekwana, E.A., van der Lee, S., Atekwana, E.A., Katumwehe, A.B., Evans, R.L., **Kolawole, F.**, Tugume, F. (2021). Neotectonics of the Rift-Bounding Toro-Bunyoro Fault, Albertine Graben (Uganda), Western Branch of the East African Rift System. *AGU Fall Meeting abstract #945865*.

- Quigley, C., Seyum, S., and **Kolawole, F.** (2021). Laterally heterogeneous crustal mechanical properties control early rift asymmetry. *AGU Fall Meeting abstract #986472.*
- Seyum, S., Quigley, C., and **Kolawole, F.** (2021). Control of Upper Crustal Rock Strengths on the Extension and Propagation of Early-Stage Continental Rifting: Insights from Fracture Mechanics. *AGU Fall Meeting abstract #981462.*
- Stamps, S.D., Atekwana, E.A., Atekwana, E.A., van der Lee, S., Taylor, M.H., Katumwehe, A.B., Evans, R.L., Tugume, F., Aanyu, K., Fishwick, S., Barry, P.H., Halldorsson, A.H., **Kolawole, F.**, Rumpker, G., Kwagalakwe, A., Mongovin, D., Mwongyera, H., Eufrazio de Oliveira, I.J., Islam, E., Birungi, R.N., and Njinju, E.A. (2021). The DRIAR Project: Dry-Rifting in the Albertine-Rhino Graben, Uganda. *AGU Fall Meeting abstract #849492.*
- Atekwana, E.A., **Kolawole, F.**, Njinju, E. (2021). Breaking up continental lithosphere is hard to do: Who's the enabler, magma or tectonic memory? National Academy of Sciences Committee on Solid Earth Geophysics (COSEG) Fall Meeting.
- Kolawole, F.** (2021). How do continental rifts grow? *GSA Annual Meeting (Connects 2021) Abstract #363753.*
- Quigley, C., Seyum, S., and **Kolawole, F.** (2021). Continental rift basin asymmetry and the influence of mechanical properties of upper crustal rocks. *GSA Annual Meeting (Connects 2021) Abstract #370433.*
- Seyum, S., Quigley, C., and **Kolawole, F.** (2021). Crustal mechanical heterogeneity controls rift basin asymmetry during early continental extension. *GSA Annual Meeting (Connects 2021) Abstract #370406.*
- Kolawole, F.** (2021). How Do Continental Rifts Grow? Insights from the East African Rift System. *NSF/GeoPRISMS Rift2Ridge Margins Workshop.*

-----2020-----

- Kolawole, F.**, Reches, Z., and Carpenter, B.M. (2020). Structural inheritance control of induced seismicity in Central-Eastern US. *AGU Fall Meeting abstract #MR019-0002.*
- Kolawole, F.**, Carpenter, B.M., Reches, Z., Atekwana, E.A., Mayle, M., Evans, R., Key, K. (2020). Basement Structure, Fluid Migration Pathways, and Mechanisms of Induced Fault Reactivation in U.S. Mid-Continent. *AGU Fall Meeting abstract #MR028-02.*
- Ngalamo, J.F.G., **Kolawole, F.**, Sobh, M., Atekwana, E.A. (2020). Partitioning of Extension at the Propagating Tips of Continental Rifts: Insights from the Central and East African Rift Systems. *AGU Fall Meeting abstract #T028-06.*
- Omale, A.P., **Kolawole, F.**, Lorenzo, J.M. (2020). Rifting at the Boundary of Contrasting Terrane Fabrics, Luama Rift, DR Congo. *AGU Fall Meeting abstract #T024-0017.*
- Clairmont, R., **Kolawole, F.**, Omale, A.P., Bedle, H. (2020). Controls of buried structures on clinoform architecture, Northern Taranaki Basin, New Zealand. *AGU Fall Meeting abstract #T001-0002.*
- Atekwana, E.A., Slater, L.D., **Kolawole, F.**, Laó-Dávila, D.A. (2020). Advancing Biogeosciences and Tectonophysics Research through Novel Developments in Near Surface Geophysics. *AGU Fall Meeting abstract #NS006-01.*

Kolawole, F., Dangwal, D., Reches, Z., Carpenter, B.M. (2020). Fault-fracture networks at the basement-sedimentary interface, Oklahoma: implications for induced seismicity. *GSA Annual Meeting abstract #354967.*

Carpenter, B.M., Hamilton, M., Johnston, C., **Kolawole, F.,** Firkins, M.C., and Stroud, B. (2020). The fractures of Oklahoma's basement: From core to regional scale. *GSA Annual Meeting abstract #356092.*

Bode-Omoleye, I., Franseen, E.K., **Kolawole, F.** (2020). The inherited pore structure and stratification of the Arbuckle Group, Oklahoma - Southern Kansas. *GSA Annual Meeting abstract #359731.*

-----2019-----

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