

Curriculum Vitae

David W. Farris

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Professional Preparation

- 2006 Ph.D., University of Southern California. Major: Geological Sciences. structure / tectonics / magmatic systems.

Farris, David W. (2006). Magmatic and tectonic modification of convergent margins: an example from southern Alaska. Unpublished doctoral dissertation, University of Southern California.
- 2000 B.A., Macalester College. Major: Geology.

Farris, David W. (2000). Pluton emplacement and associated phenomena of the South Cascade Stock, North Cascades, Washington. Unpublished bachelor's thesis, Macalester College.

Professional Experience

- 2013-2018 Geology Field Camp Instructor and Adjunct Professor, Florida State University
- 2017-2018 Visiting Assistant Professor, Department of Geology, Washington and Lee University, Lexington, VA
- 2009–2017 Assistant Professor, Department of Earth, Ocean & Atmospheric Science, Florida State University.
- 2008 Post-doctoral fellow, Geological Sciences, Smithsonian Tropical Research Institute.
- 2007 Lecturer, Geology, California State University, Los Angeles.
- 2000-2006 Graduate Assistant, Earth Sciences, University of Southern California

Current Membership in Professional Organizations

American Geophysical Union
Geological Society of America

Teaching

Courses Taught

Washington and Lee University (2017-2018)

- *Introductory Geology with field emphasis (GEOL-100)
- * Introductory Geology (GEOL-101)
- *Introduction to Geophysics (GEOL-275)

Florida State University (2009-2017)

Undergraduate:

- * Dynamic Earth (GLY-1000): Introductory course (100-200 students)
- * Physical Geology (GLY-2010): Majors introductory course (30-40 students)
- * Geology Field Camp (GLY-4790): Field based course taught in New Mexico (15-30 students)

Graduate:

- *Magmatic Arcs seminar (GLY-5931): Seminar style course (10-15 students)
- *Tectonics (GLY-5425): (5-15 students)
- *Introduction to Geophysics (GLY-5455/4451): Cross-listed graduate and undergraduate course (5-15 students)

California State University, Los Angeles (2007)- Lecturer

- *Mineralogy
- *Earth Revealed

University of Southern California (2000-2006)- Teaching assistant

- *Earthquakes
- *Nature of Scientific Inquiry
- *Planet Earth

Macalester College- (1999-2000)- Teaching assistant

- *Structural geology
- *Historical geology

Student Mentoring

Current students

Fowler, Gary D., Evolution of the Miocene Panama arc: FSU Ph.D. student

Davis, Benjamin L., Geology of the Dadeville Complex: FSU Ph.D. student

Lupo, Mary Beth, Assessment of the Appalachian Blue Ridge Stratigraphy, FSU Ph.D. student

Graduate Student Theses and Dissertations

- Munsey, K.R., 2018, Gravity and geochemical constraints on the evolution of the El Valle Volcano, Panama: Florida State University, Masters Thesis, 82p.
- Fowler, G. D., 2016, Geology and geochemistry of the western Panamá Canal basin volcanic arc rocks: Florida State University, Masters Thesis, 120p.
- Altintas, A. C., 2015, Gravity constraints on the geometry of the Big bend of the San Andreas fault in the southern Carrizo plains and Pine Mountain region: Florida State University, Masters Thesis, 89p.
- Mynhier, K. N., 2015, Gravity modeling constraints on the Gatun-Chagres basin and tectonic evolution of north-central Panama: Florida State University, Masters Thesis, 66p.
- Pan, R., 2015, Miocene arc magmatism in Bocas del Toro, Panama, and constraints on mantle wedge and tectonic change: Florida State University, Masters Thesis, 59p.
- Samkari, A. S., 2015, Structural evolution of Ad Damm shear zone, western Saudi Arabian margin and its relation to Red Sea rift system. Florida State University, Masters Thesis, 72p.
- Pehlivan, Y., graduate., 2015, Gravity, magnetic, and geologic constraints on the Raton Basin of southern Colorado, USA: : Florida State University, Masters Thesis, 90p.
- Cengelcik, Y., graduate, 2014, Structural geometry and gravity constraints on the Palos Verdes and Cabrillo faults: Florida State University, Masters Thesis, 87p.
- Mahjoor, A., graduate, 2011, Detrital zircon ages of Kodiak Island, south Alaska: Florida State University, Masters Thesis, 76p.

Doctoral Committee Member

Almuntshry, N. A., FSU doctoral student.

Master's Committee Member

Davis, B. L., FSU graduate. (2015); Lupo, M. E., FSU graduate. (2015); Korkmaz, M., FSU graduate. (2013); Pazel, J. M., FSU graduate. (2012); Aspinwall, A. R., FSU student; Byfield, S. M., FSU student; Marza, M. A. M. H., FSU student; Stevens, A. J., FSU student; Thomas, R. W., FSU student.

Field supervision of undergraduate senior theses

George Tangalos, Carleton College, 2003: Genesis and contamination of the Kodiak batholith, Kodiak Island, Alaska: Using $d^{18}O$ to quantify the assimilated component of the batholith.

Ryan Prose, University of Southern California, 2005: Whole rock and oxygen isotope geochemistry of the Ruth pluton: Evidence of a slab-window?

Research and Original Creative Work Publications

Refereed Journal Articles

- Farris, D.W., and Mahjoor, A., *in-review*, Near simultaneous accretionary prism growth, forearc magmatism, and faulting: Detrital zircon constraints from the Kodiak Accretionary Complex, Kodiak Island, Alaska: submitted to *Tectonophysics*, 31 *manuscript pages*.
- Farris, D., & Haeussler, P., *in press*, Selected geologic maps of the Kodiak batholith and other Paleocene intrusive rocks, Kodiak Island, Alaska. U.S. Geologic Survey Geologic Investigations Series Maps, 11 pages.
- O'Dea, A., Lessios, H. A., Coates, A. G., Eytan, R. I., S. A., Collins, L. S., de Queiroz, A., Cione, A. L., Farris, D. W., Norris, R. D., Restrepo-Moreno, S. A., Stallard, R. F., Woodburne, M. O., Aguilera, O., Aubry, M., Berggren, W. A., Budd, A. F., Cozzuol, M. A., Coppard, S. E., Duque-Caro, H., Finnegan, S., Gasparini, G. M., Grossman, E. L., Johnson, K. G., Keigwin, L. D., Knowlton, N., Leigh, E. G., Leonard-Pingel, J. S., Marko, P. B., Pyenson, N.D., Rachello-Dolmen, P. G., Soibelzon, E., Soibelzon, L., Todd, J. A., Vermeij, G. J., & Jackson, J. B. C., (2018). Formation of the Isthmus of Panama: Response to Jaramillo et al., *Science Advances*, vol. 3, no. 6, e1602321, e-letter, DOI: 10.1126/sciadv.1602321, <http://advances.sciencemag.org/content/3/6/e1602321/tab-e-letters>
- Tull, J.F., Mueller, P.A., Farris, D.W., and Davis, B.L., (2018). Taconic Suprasubduction Zone Magmatism In Southern Laurentia: *Geological Society of America Bulletin*, 16p. DOI: 10.1130/B31885.1
- Farris, D. W., Tull, J. F., Mueller, P., and Davis, B. L. (2017). Is the Dadeville Complex the "Missing" Southern Appalachian Taconic Arc? *In* C. Barineau and J. Tull eds. *A Taconic Backarc and Arc Terrane in the Southern Appalachians: Correlating Geologic Units of the Blue Ridge and Western Inner Piedmont Of Georgia and Alabama*, Georgia Geological Society Guidebooks, vol. 36, no. 1, p. 41-56, https://www.westga.edu/~ggswweb/ggspubs/guidebooks_cd/2017/GGS2017.pdf.
- Farris, D.W., Cardona, A., Montes, C., Foster, D. and Jaramillo, C. (2017). Magmatic evolution of Panama Canal volcanic rocks: A record of arc processes and tectonic change. *PloS one*, 12(5), p.e0176010.
- O'Dea, A., Lessios, H. A., Coates, A. G., Eytan, R. I., Restrepo-Moreno, S. A., Cione, A. L., Collins, L. S., de Queiroz, A., Farris, D. W., Norris, R. D., Stallard, R. F., Woodburne, M. O., Aguilera, O., Aubry, M., Berggren, W. A., Budd, A. F., Cozzuol, M. A., Coppard, S. E., Duque-Caro, H., Finnegan, S., Gasparini, G. M., Grossman, E. L., Johnson, K. G., Keigwin, L. D., Knowlton, N., Leigh, E. G., Leonard-Pingel, J. S., Marko, P. B., Pyenson, N.D., Rachello-Dolmen, P. G., Soibelzon, E., Soibelzon, L., Todd, J. A., Vermeij, G. J., & Jackson, J. B. C., (2017). Building Bridges. Response to Erkens and Hoorn: "The Panama Isthmus, 'old', 'young' or both?". *Science Advances*, 2(8) p.e1600883, e-letter, <http://advances.sciencemag.org/content/2/8/e1600883/tab-e-letters>.
- O'Dea, A., Lessios, H. A., Coates, A. G., Eytan, R. I., Restrepo-Moreno, S. A., Cione, A. L., Collins, L. S., de Queiroz, A., Farris, D. W., Norris, R. D., Stallard, R. F., Woodburne, M. O., Aguilera, O., Aubry, M., Berggren, W. A., Budd, A. F., Cozzuol, M. A., Coppard, S. E., Duque-Caro, H., Finnegan, S., Gasparini, G. M., Grossman, E. L., Johnson, K. G., Keigwin, L. D., Knowlton, N., Leigh, E. G., Leonard-Pingel, J. S., Marko, P. B., Pyenson, N.D., Rachello-Dolmen, P. G., Soibelzon, E., Soibelzon, L., Todd, J. A., Vermeij, G. J., & Jackson, J. B. C.

- (2016). Formation of the Isthmus of Panama. *Science Advances*, 2(8), p.e1600883.
- Montes, C., Cardona, A., Bayona, G., MacFadden, R., Buchs, D. M., Moron, S. E., Silva, C. A., Hoyos, N., Restrepo-Moreno, S., & Ramirez, D.A., Wilson, J., Ortiz, J., Farris, D.W., Jaramillo, C., Valencia, V., Bryan, J., and Flores, J.A. (2012). Evidence for middle Eocene and younger land emergence in central Panama: Implications for Isthmus closure. *Geological Society of America Bulletin*, 20. doi:10.1130/B30528.1
- Farris, D. W., Jaramillo, C., Bayona, G., Restrepo, S. A., Montes, C., Cardona, A., Mora, A., Speakman, R. J., Glasscock, M. D., & Valencia, V. (2011). Fracturing of the Panamanian Isthmus during initial collision with South America. *Geology*, 39, no. 11, 1007–1010. doi:10.1130/G32237.1
- Farris, D. W. (2010). Tectonic and petrologic evolution of the Kodiak batholith and the trenchward belt, Kodiak Island, AK: Contact fault juxtaposition? *Journal of Geophysical Research, Solid Earth*, 115, B07208, 29. doi:10.1029/2009JB006434
- Ayuso, R. A., Haeussler, P. J., Bradley, D. C., Farris, D. W., Foley, N. K., & Wandless, G. A. (2009). The role of ridge subduction in determining the geochemistry and Nd-Sr-Pb isotopic evolution of the Kodiak batholith in southern Alaska. *Tectonophysics*, 464, 137-163.
- Farris, D. W. (2009). Construction and evolution of the Kodiak Talkeetna island arc crustal section: in R.B. Miller and A.W. Snoke, eds., *Crustal cross-sections from the western North America Cordillera and elsewhere: Implications for tectonic and petrologic processes*. Geological Society of America Special Paper, 456, 69-96.
- Farris, D. W., & Paterson, S. R. (2009). Subduction of a segmented ridge along a curved continental margin: Variations between the western and eastern Sanak-Baranof belt, southern Alaska. *Tectonophysics*, 464, 100-117.
- Paterson, S. R., & Farris, D. W. (2008). Downward host rock transport and the formation of rim monoclines during the emplacement of Cordilleran batholiths. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 97, 397-413.
- Paterson, S. R., Farris, D. W., Memeti, V., Miller, R., Pignotta, G., Yoshinobu, A., Vernon, R. H., & Zak, J. (2008). Comment of "Is stopping a volumetrically significant pluton emplacement process?" by Glazner, A. and Bartley, J. *Geological Society of America Bulletin*, 120, no. 7/8, 1075-1079.
- Farris, D. W., & Paterson, S. R. (2007). Physical contamination of silicic magmas and fractal fragmentation of xenoliths in Paleocene plutons on Kodiak Island, AK. *Canadian Mineralogist*, 45, 107-129.
- Farris, D. W., Haeussler, P., Friedman, R., Paterson, S. R., Saltus, R. W., & Ayuso, R. (2006). Emplacement of the Kodiak batholith: A consequence of slab-window migration. *Geological Society of America Bulletin*, 118, no. 11/12, 1360-1376.
- Craddock, J. P., Farris, D. W., & Roberson, A. (2004). Calcite twinning constraints on stress-strain fields along the mid-Atlantic ridge, Iceland. *Geology*, 32, no. 1, 49-52.

Manuscripts in-Preparation

Farris, D.W., in-revision, Geophysical and geochemical constraints on the modern tectonic geometry surrounding the Isthmus of Panama: to be submitted to *Geochemistry, Geophysics, Geosystems*.

Farris, D.W., and Cengelcik, Y, in-prep, Structural geometry and gravity constraints on the Palos Verdes and Cabrillo faults: to be submitted to *Lithosphere*.

Farris D.W., and Altintas, A. C., in prep, Gravity constraints on the geometry of the Big bend of the San Andreas fault in the southern Carrizo plains and Pine Mountain region: to be submitted to *Tectonics*.

Fowler, G.D. and Farris, D.W., in-prep, Isotope geochemistry of the Panamá Canal basin volcanic arc rocks: to be submitted to *Geological Society of America Bulletin*.

Meeting Presentations and Abstracts

Farris, D.W., Fowler, G.D., and Munsey, K.R. (2017). Tectonic Forcing Of Magmatic Processes In Panama: Collision, Intra-Arc Extension And Slab-Detachment. *Geological Society of America Abstracts with Programs*. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-306722

Fowler, G.D., and Farris, D.W. (2017). Mantle Influences On Miocene Magmatism In Central Panama. *Geological Society of America Abstracts with Programs*. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-303932

Restrepo-Moreno, S.A., O’Dea, A., Coates, A.G., and Farris, D.W. (2017). Recent Perspectives On The Formation Of The Isthmus Of Panama. *Geological Society of America Abstracts with Programs*. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-307604

Munsey, K.R., and Farris, D.W. (2017). Geophysical And Geochemical Modeling Of The Structure And Evolution Of The El Valle Volcano, Panama. *Geological Society of America Abstracts with Programs*. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-307330

Farris, D. W. (2016). Subduction initiation in the Panama arc. In *Geological Society of America Abstracts with Programs*. Vol. 48, No. 7 doi: 10.1130/abs/2016AM-286690
<https://gsa.confex.com/gsa/2016AM/webprogram/Paper286690.html>

Munsey, K.R., & Farris, D. W. (2016). Gravity and geochemical constraints on the evolution of the El Valle volcano, Panama. In *Geological Society of America Abstracts with Programs*. Vol. 48, No. 7 doi: 10.1130/abs/2016AM-287782
<https://gsa.confex.com/gsa/2016AM/webprogram/Paper287782.html>

Fowler III, G. D., & Farris, D. W. (2016). Evolution of the southern Panama Canal basin: Gravity modeling and volcanic arc geochemistry. In *Geological Society of America Abstracts with Programs*. Vol. 48, No. 7 doi: 10.1130/abs/2016AM-283993
<https://gsa.confex.com/gsa/2016AM/webprogram/Paper283993.html>

Altintas, A., & Farris, D. (2015). Gravity constraints on the geometry of the Big Bend of the San Andreas fault. In *Abstracts with Programs*. *Geological Society of America*.
<https://gsa.confex.com/gsa/2015CD/webprogram/Paper254913.html>

- Altintas, A. C., & Farris, D. W. (2015). Gravity constraints on the geometry of the big bend of the San Andreas fault in the southern Carrizo plains and Pine mountain region. In Abstracts with Programs (pp. Vol. 47, No. 7, p.74). Geological Society of America. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper263988.html>
- Farris, D. W., Tull, J. F., Mueller, P. A., Davis, B. L., & Thomas, R. (2015). The Dadeville complex of eastern Alabama and western Georgia: implications for the "missing" Taconic arc in the southern Appalachians. In Abstracts with Programs (pp. Vol. 47, No. 7, p.86). Geological Society of America. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper268951.html>
- Fowler III, G. D., & Farris, D. W. (2015). Recent geochemical constraints on the western Panama Canal basin volcanic arc rocks. In Abstracts with Programs (pp. Vol. 47, No. 7, p.45). Geological Society of America. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper262878.html>
- Mynhier, K. N., & Farris, D. W. (2015). Gravity modeling constraints on the geometry of the Gatun-Chagres basin and tectonic evolution of north-central Panama. In Abstracts with Programs (pp. Vol. 47, No. 7, p.44). Geological Society of America. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper263429.html>
- Pan, R., & Farris, D. W. (2015). Miocene arc magmatism in western Panama and its constraints on mantle wedge and tectonic change. In Abstracts with Programs (pp. Vol. 47, No. 7, p.45). Geological Society of America. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper266457.html>
- Samkari, A. S., & Farris, D. W. (2015). Structural evolution of Ad Damm shear zone, western Saudi Arabian margin and its relation to Red Sea rift system. In Abstracts with Programs (pp. Vol. 47, No. 7, p.37). Geological Society of America. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper266306.html>
- Cengelcik, Y., & Farris, D. (2014). Gravity Models of the Palos Verdes and Cabrillo faults. In Abstracts with Programs. Geological Society of America. https://gsa.confex.com/gsa/2014AM/finalprogram/abstract_244816.htm
- Farris, D. (2014). 70 Ma of arc evolution in Panama: The influence of tectonic forcing during the transition from an intra-oceanic to a continental arc. In Abstracts with Programs. Geological Society of America. https://gsa.confex.com/gsa/2014AM/finalprogram/abstract_249624.htm
- Cengelcik, Y., & Farris, D. (2013). Combined Gravity and Seismic Interpretation of the Palos Verdes and Cabrillo Faults. In Abstracts with Programs. Geological Society of America. <https://gsa.confex.com/gsa/2013AM/webprogram/Paper230069.html>
- Farris, D. (2013). Panama Arc Magmatism and the Evolution of the Canal Extensional Zone. In Abstracts with Programs. Geological Society of America. <https://gsa.confex.com/gsa/2013AM/webprogram/Paper230759.html>
- Pehlivan, Y., & Farris, D. (2013). Gravity, Magnetic and Geologic Constraints on the Raton Basin of Southern Colorado. In Abstracts with Programs. Geological Society of America. <https://gsa.confex.com/gsa/2013AM/webprogram/Paper230975.html>
- Farris, D. W. (2012). Gravity constraints on the Panamanian Gatun-Chagres Basin and its potential as a young marine connection between the Pacific and Caribbean Seas. In Abstracts with Programs. Geological Society of America.

- Farris, D. W. (2012). Tectonic Constraints On The Closure Of The Central American Seaway And The Rise Of The Isthmus. In Abstracts with Programs. Geological Society of America.
- Farris, D. W. (2011). Extension During Formation Of The Panama Orocline And Collision With South America. In Annual Meeting, Abstracts with Programs. Geological Society of America.
- Hendrickson, M. J., Strong, N., Farris, D. W., O'Dea, A., & Rodriguez, F. (2011). Geological map of the Kuna Yala, Panama. In Abstracts with Programs. Annual Meeting of the Geological Society of America, Minneapolis.
- Restrepo-Moreno, S. A., Cardona, A., Jaramillo, C., Bayona, G., Montes, C., & Farris, D. W. (2010). Constraining Cenozoic Uplift/Exhumation Of The Panama-Choco Block By Apatite And Zircon Low-Temperature Thermochronology: Insights On The Onset Of Collision And The Morphotectonic History Of The Region. In Abstracts with Programs, v. 42. Annual Meeting of the Geological Society of America.
- Farris, D. W., Cardona, A., Montes, C., & Jaramillo, C. (2009). Demise Of Arc Magmatism Along The Panama Canal. In Abstracts with Programs. Annual Meeting of the Geological Society of America, Portland.
- Montes, C., Cardona, A., Bayona, G., Silva, C., Farris, D. W., Moron, S., Wilson, J., & Valencia, V. A. (2009). Structural Transects Across The Isthmus Of Panama: Orocline Or Subduction-Related Geometry? In Abstracts with Programs. Annual Meeting of the Geological Society of America, Portland.
- Strong, N., Francheschi, P., Jaramillo, C., Farris, D. W., Montes, C., & O'Dea, A. (2009). Biological Response To High Flux Rates Of Pyroclastics In Fluvial And Nearshore Shallow Marine Environments In The Panama Canal Basin. In Abstracts with Programs, v. 41. Annual Meeting of the Geological Society of America, Portland.
- Farris, D. W., Cardona, A., Montes, C., Moron, S., Bayona, G., & Jaramillo, C. (2008). The Influence of the Panama Fracture Zone on Arc Magmatism. In Abstracts with Programs. Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies.
- Montes, C., Moron, S., Bayona, G., Cardona, A., Farris, D., & Jaramillo, C. (2008). Cenozoic Evolution of the Panama Isthmus. In The Panama Geology Project: Abstracts with Programs. Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies.
- Strong, N., Farris, D., Cardona, A., Monte, C., O'Dea, A., & Jaramillo, C. (2008). Evolution of fluvial drainage networks evolving in response to an emerging Cenozoic Panama Cordillera. In Abstracts with programs (pp. 2098). Fall Meeting of the American Geophysics Union.
- Farris, D. W. (2007). Fractal Fragmentation of Xenoliths in Silicic Magmas. In Abstracts with programs. Annual Meeting of the Geological Society of America, Denver.
- Farris, D. W. (2007). Geochemical, And Tectonic Evolution Of The Kodiak Batholith And The Trenchward Belt, Kodiak Island, Ak: Juxtaposition Along The Contact Fault. In Abstracts with

Programs, Cordilleran Section. Annual Meeting of the Geological Society of America.

- Farris, D. W. (2006). Construction Of An Island Arc: A Comparison Between The Kodiak And The Tonsina-Nelchina Talkeetna Arc Crustal Sections. In Abstracts with Programs. 102nd Annual Meeting of the Cordilleran Section, Geological Society of America.
- Farris, D. W. (2006). Spreading-Ridge Subduction And The Kinematic And Magmatic Evolution Of The Sanak-Baranof Belt, Southern Alaska. In Abstracts with Programs. Backbone of the Americas Meeting, Geological Society of America.
- Ayuso, R. A., Haeussler, P. J., Bradley, D. C., Farris, D. W., & Colvin, A. S. (2005). The effects of ridge subduction on chemical and isotopic zoning of the Kodiak Batholith, southern Alaska. In Abstracts with Programs. Annual Meeting of the Geological Society of America, Salt Lake City.
- Farris, D. W. (2005). The Kodiak Batholith And The Trenchward Ghost Rocks Fm. Magmatic Belt, Kodiak Island, Ak: Tectonic Juxtaposition Or Two Discrete Events? In Abstracts with Programs. Annual Meeting of the Geological Society of America, Salt Lake City.
- Farris, D. W., Bradley, D., Haeussler, P. J., & Paterson, S. R. (2004). Relationships between spreading-ridge subduction and the flareup in arc magmatism in the Alaska-Aleutian batholith and the Coast Plutonic Complex. In Abstracts with Programs. Annual Meeting, Geological Society of America, Denver.
- Farris, D. W., Paterson, S. R., Haeussler, P. J., & Friedman, R. (2003). Slab-Window Segmentation And The Evolution Of The Sanak-Baranof Belt: An Example From Kodiak Island, Alaska. In Abstracts with Programs v. 35 no. 6 (pp. 172-4). Annual Meeting of the Geological Society of America.
- Tangalos, G. E., Farris, D. W., Valley, J., Haeussler, P., & Haileab, B. (2003). Genesis And Contamination Of The Kodiak Batholith, Kodiak Island, Alaska: Using $d^{18}O$ To Quantify The Assimilated Component Of The Batholith. In Abstracts with Programs, v. 35, n. 6 (pp. 325). Annual Meeting of the Geological Society of America.
- Farris, D. W., Haeussler, P., Paterson, S., & Friedman, R. (2002). Slab-Window Processes In The Kodiak Island Region, Alaska. In Abstracts with Programs. Annual Meeting of the Geological Society of America.
- Farris, D., & Paterson, S. (2002). Statistical analysis of slab-window related plutons: The Sanak-Baranof belt of southern Alaska. In EOS, Transactions (pp. 1122). Fall Meeting of the American Geophysical Union.
- Farris, D. W., Paterson, S. R., & Miller, R. B. (2001). Does Magmatism Focus Regional Deformation: Examples From The Mid-Crust, North Cascades, Washington. In Abstracts with Programs, v. 33 no. 7. Annual Meeting of the Geological Society of America.
- Farris, D., Haeussler, P., & Rieser, M. (2001). Formation of the Kodiak Batholith: a Consequence of Spreading Ridge Subduction. In EOS, Transactions (pp. 1034). Fall Meeting of the American Geophysical Union.

Nonrefereed Book Chapters

- Farris, D. W., & Farris, M. (2012). The Geology of Midwestern Climbing Areas. In Michael Farris (Ed.), *Rock Climbing: Minnesota and Wisconsin*, 2nd Edition. Helena, Montana: Falcon Publishing.
- Farris, D. W., & Farris, M. (2000). The Geology of Midwestern Climbing Areas. In Michael Farris (Ed.), *Rock Climbing: Minnesota and Wisconsin*. Helena, Montana: Falcon Publishing.

Presentations

Invited Lectures and Readings of Original Work

- Farris, D.W., (May, 2018). Panama Arc Subduction Initiation and Processes, Delivered at Marshall University, Huntington, WV.
- Farris, D.W., (2017, March). Subduction Initiation in the Panama arc. Delivered at Washington and Lee University, Lexington, VA.
- Farris, D.W., (2016, October). Subduction Initiation in the Panama arc. Delivered at Florida International University, Miami, FL.
- Farris, D. W. (2015, February). 70 Ma of arc evolution in Panama: The influence of tectonic forcing during the transition from an intra-oceanic to a continental arc. Delivered at University of Miami, Miami, FL.
- Farris, D. W. (2015, January). Tectonic constraints on the rise of the Panama Isthmus and closure of the Central American seaway. Delivered at King Abdulaziz University, Jeddah, Saudi Arabia.
- Farris, D. W. (2012, July). Extension during formation of the Panamanian Isthmus. Delivered at Smithsonian Tropical Research Institute, Panama City, Panama.
- Farris, D. W. (2011, September). Extension during formation of the Panamanian Isthmus. Delivered at Smithsonian Tropical Research Institute, Panama City, Panama.
- Farris, D. W. (2010, September). Slab windows, magmatic arcs and processes of tectonic change: Examples from Alaska and Panama. Delivered at University of Georgia, Athens, Georgia.
- Farris, D. W. (2009, December). Slab windows, magmatic arcs and processes of tectonic change: Examples from Alaska and Panama. Delivered at University of Arkansas, Fayetteville, Arkansas.
- Farris, D. W. (2009, October). Tectonomagmatic evolution of Panama during the rise of the Isthmus. Delivered at University of Florida, Gainesville, FL.
- Farris, D. W. (2008, November). Tectonomagmatic evolution of Panama during the rise of the Isthmus. Delivered at Smithsonian Tropical Research Institute, Panama City, Panama.

Other Invited Lectures

Temple University (March, 2007), University of Minnesota (April, 2007), Indiana-Purdue University, Fort Wayne (Dec., 2007), Trinity University, TX (Feb., 2008), Colby College, ME (Feb., 2008), Florida State University (Feb., 2008), and Auburn University (March, 2008)

Fieldwork

- *San Salvador Field Excursion Course- carbonate environments- January 1998
- *Field Camp- mapping in Hoback Canyon, the Big Horn Basin and the Medicine Bow Mountains in Wyoming- summer 1998
- *North Cascades, Washington- mapping for honors project- summer 1999
- *Sierra Nevada- examination of magmatic processes- summer 2000
- *Joshua Tree National Park- geologic mapping of intrusive bodies-spring 2002
- *Kodiak Island, Alaska- Dissertation research, two months of fieldwork each summer during 2001, 2002 and 2003
- *Denali State Park, Alaska- Dissertation research, 2004
- *Panama: Canal Zone, Bocas del Toro, El Valle and Kuna Yala- Post-doc and continuing research 2008-2016
- *Geophysical fieldwork: Central Panama gravity survey including the Canal / Gatun Chagres Basins and the El valle volcano, summers 2010, 2012, 2015, 2016
- *Raton Basin, Colorado: Gravity, magnetic and structural mapping, summer 2013
- *Palos Verdes Peninsula, Los Angeles, CA: Gravity survey, summer 2013
- *Questa Caldera and Rio Grande Rift, New Mexico: Gravity and structural mapping, summer 2014-2018
- *Sona-Azuero fault, Azuero Peninsula, Panama: Gravity and structural mapping, 2014
- *San Andreas fault, Pine Mountain, CA: Gravity survey and structural mapping, 2014
- *Ad Damm shear zone, Red Sea rift tectonics, Saudi Arabia: structural mapping, 2015
- *Sibundoy Valley, Colombia: Gravity and structural mapping, March, 2017

Other Scientific Experience

- *NASA Summer Research Fellowship at Macalester College- summer 1998
- *Beltman Physical Sciences summer stipend- summer 1999
- *Geophysics / Glaciology Internship at St. Olaf College-summer 1999
- *USGS volunteer in Alaska, summers 2001-2003
- *Backbone of the Americas Conference- Mendoza, Argentina, Spring 2006
- *Penrose Conference: Arc genesis and crustal evolution, Valdez, Alaska, July 2006
- *Field Trip Leader IGCP 546 conference, Subduction zones of the Caribbean, Panama, February 2010
- *Penrose Conference: Significance of along-arc strike variations for the 3-D architecture of orogens: The Hellenides and Anatolides in the eastern Mediterranean, May 2010
- *Penrose Conference: Neotectonics of Arc-Continent Collision, Manizales, Colombia January 2011
- *GeoPRISMS planning workshop for the Alaska Primary Site, Portland, OR, Sept. 2011
- *Geological Society of America session convenor, T139. Divided Oceans and Connected Continents: Advances in Geology and Paleontology of the Tropical Americas, Fall 2012
- *Commission for the Geological Map of the World, Structural map of the Caribbean Meeting, Villa de Lleyva, Colombia, August 2014

Contracts and Grants

Contracts and Grants Funded

PIRE—Panama Canal Project: Ancient biodiversity and global change in the New World tropics: a once-in-a-century opportunity along the Panama Canal- National Science Foundation Participant researcher (2010-2015)- approximately \$15,000 to FSU project expenses

Farris, D. (2010) Magmatic and tectonic evolution of Panama during the rise of the isthmus Council on Research and Creativity first-year professor award (Florida State University)- \$17,000

Farris, D. (2012-2014) Gravity and Seismic constraints on the Palos Verdes Fault, CA: Funded by the Turkish National Petroleum Company- -\$3000 in research expenses plus 2.5 years of student tuition and research assistant stipend

Farris, D. (2012-2014) Gravity and Magnetic constraints on the structure and evolution of the Raton Basin, CO: Funded by the Turkish National Petroleum Company -\$3200 in research expenses plus 2.5 years of student tuition and research assistant stipend

Farris, D. (2013-2015) Gravity modeling and geologic evolution of the Big Bend of the San Andreas Fault, CA: Funded by the Turkish National Petroleum Company--\$2770 in research expenses plus 2.5 years of student tuition and research assistant stipend

Farris, D. (2013-2015) Structure of the Ad Damm fault system, Red Sea Margin, Saudi Arabia: Funded by King Abulaziz University, Jeddah, Saudi Arabia- \$1500 in research expenses, approximately \$5000 in fieldwork expenses, and 2.5 years of student tuition and research assistant stipend.

Contracts and Grants Submitted

Farris, D. (January, 2017). Collaborative Research: Panama arc evolution and closure of the Canal seaway. Submitted to the National Science Foundation.

Farris, D., & Tull, J. (2015). Collaborative Research: Is There A Taconic Arc in the Southernmost Appalachians? Submitted to the National Science Foundation.

Farris, D., & Tull, J. (2013). Collaborative Research: Is there a Taconic arc in the southernmost Appalachians? The key to a comprehensive Appalachian synthesis. Submitted to the National Science Foundation.

Farris, D. (2011). Collaborative Research: Extension during formation of the Panamanian Isthmus: Tectonic geometry and evolution of the Canal Basin. Submitted to the National Science Foundation.

Farris, D. (2010). Extensional tectonics during the formation of the Panamanian Isthmus. Submitted to the National Science Foundation.

Farris, D. (2009). Magmatic and tectonic evolution of Panama during the formation of the Isthmus: Continued or truncated subduction? Submitted to National Science Foundation.

Service

Florida State University

Member, FSU Geophysics search committee (2014–2015).

Member, FSU Sedimentary geology search committee (2012–2014).

Faculty advisor to the undergraduate FSU geology club (2013-2017)

The Profession

Guest Reviewer for Refereed Journals

Geology (2010–present).

Lithos (2015–present).

Lithosphere (2015–present).

Southeastern Geology (2012–present).

Earth and Planetary Science Letters (July 2010–present).

Geosphere (2010–present).

Journal of Structural Geology (2009–present).

Tectonics (2016-present)

Geological Magazine (2016- present)

Journal of Petrology (2017-present)

Reviewer or Panelist for Grant Applications

Petroleum Research Fund (2011–present).

National Science Foundation (2010–present).