

Dr. Joseph E. Andrew

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EDUCATION

Ph.D., Geology, 2002 - The University of Kansas, Lawrence, KS

M.S., Earth & Planetary Science, 1995 - The University of New Mexico, Albuquerque, NM

B.S., Geosciences, 1992 - The Pennsylvania State University, University Park, PA

SUMMARY OF SKILLS

- Broad **background, education, and experience** across multiple subfields of geoscience with emphasis in field-based studies of the space-time changes in geologic processes and tectonic history using structural geology, petrology, mineralogy, geochronology, volcanology, geothermal systems, and geographic information systems (GIS)
- **30 years experience planning and implementing geologic mapping and analysis** of Quaternary to Paleoproterozoic, complex, multiply-deformed rocks in western North America
- Research and experience applying **digital field geology** to geologic mapping, analysis and publication of geologic maps and 3-D and 4-D visualizations; using ArcGIS and StraboSpot
- **Publish and present** scientific data and results to international geoscience community
- **Designing and writing research projects and funding proposals**
- International professional experience working in field-based studies of the **interplay of structure and tectonics with ore mineralization**

PROFESSIONAL EXPERIENCE

Laboratory Manager & Research Associate

Oct. 2009 to present

Department of Geology, University of Kansas, Lawrence, Kansas

- **Laboratory Manager for Isotope Geochemistry Lab:** Manage isotopic analysis laboratory including clean room, sample preparation, and analytical machines. Perform isotope analyses using laser ablation inductively coupled mass spectrometry and thermal ionization mass spectrometry. Interpret $^{86}\text{Sr}/^{87}\text{Sr}$ for various geological, biological and technical applications and interpret U and Pb isotopes data from different mineral systems for crystallization ages.
- **Research Associate:** Perform scientific research projects based on field geologic mapping, structural analysis, and geochronologic analysis. Design research projects, write research grant proposals, write final manuscripts for publications, work with and teach students and visiting researchers working in the laboratory.
 - Part of a team designing, testing, and refining a field geology data collection and mapping app for Apple IOS and Android systems along with a supporting back-end database – funded by the U.S. National Science Foundation, see <http://strabospot.org> for more information.
 - Determine the total slip of multiple strike-slip faults in the active system of the central Mojave Desert, California by matching geologic units across the faults and compiling regional data.
 - Determine the integrated slip history of the central segment of the Garlock fault, California using the volcanic, stratigraphic, tectonic, and thermal history – funded by the Geothermal Program Office of the U.S. Navy
 - Evaluate the fluid pathways of the geothermal resources of the Dixie Valley geothermal field, Nevada from a study of adjacent northern Stillwater Range – funded by the U.S. Dept. of Energy

(PROFESSIONAL EXPERIENCE continued)

Exploration Geologist Consultant

Fall and Winter 2012

Minera Agua Tierra, S.A. (Quaterra Resources, a subsidiary of Goldcorp Inc.), Ciudad Zacatecas, Zacatecas, Mexico

- Geologic mapping and structural analysis of rock units and structures in the context of gold mineralization
- Determine the fluid pathways of gold mineralization at sites in northern Zacatecas and in southern Chihuahua, Mexico
- Create 3-D models of the rocks and structures to determine the causes and sources of ore fluids and suggest future exploration targets and drilling targets

Field Geologist, Minerals Section

June 2008 to June 2009

Alaska Division of Geologic and Geophysical Surveys, Fairbanks, Alaska

- Geologic mapping in the Alaska Range to examine the stratigraphic, metamorphic, and structural history of massive sulfide deposits hosted in bimodal meta-volcanic/meta-hypabyssal rocks
- Construct digital geologic map databases and cross sections using ArcGIS software and databases
- Analyze petrology of poly-metamorphism and deformation using thin section microscopy

Assistant Professor

August 2003 to May 2008

Department of Geologic and Environmental Science, Youngstown State University, Youngstown, Ohio

- Undergraduate courses taught (# of times taught)
 - Physical Geology (19)
 - Physical Evolution of North America (1)
 - Structural Geology (3)
 - Geology of Ore Deposits (2)
 - Glacial Geology (2)
 - Igneous & Metamorphic Petrology (1)
 - Tectonics (1)
 - Field Investigations (2)
 - Environmental Science (1)
 - Introductory Laboratory Science (5)
- Taught and led field trips to local and distant areas of geologic interest, including 2-week summer field geology course in the Upper Peninsula of Michigan

Exploration Geologist Consultant

Summers 2004, 2006, & 2007

Minera Sol de Oro, S.A. (Apollo Gold Corp.), Ciudad Chihuahua, Chihuahua, Mexico

- Geologic mapping and analysis of rock units and faults in the context of gold mineralization
- Define and determine the stratigraphy of a thick succession of previously unstudied basaltic lava flows in a remote, roadless area in the Sierra Madre Occidental in Chihuahua, Mexico
- Compile geologic mapping data with other data into a GIS database for analysis and creation of maps, cross-sections, images and video 3-D visualizations
- Create cross sections of gold-hosted structures combined with surface sample assay data and induced polarization & resistivity geophysical data for use in picking drilling targets

Postdoctoral Researcher

Spring & Summers of 2002 & 2003

Department of Geology, University of Kansas, Lawrence, Kansas

- Detailed geologic mapping (650 km²) in eastern California for an analysis of Neogene volcanic-sedimentary sequence, geometric reconstruction, and time-integrated tectonic history model – funded by the Geothermal Program Office of the U.S. Navy
- Identify structures that accommodate geodetic strain and localize earthquakes and determine fault slip markers of the total Miocene to Recent extension across Panamint Valley

(PROFESSIONAL EXPERIENCE continued)

Visiting Assistant Professor

August 2002 to May 2003

Department of Geology, College of William & Mary, Williamsburg, Virginia

- Undergraduate courses taught (# of times taught)
 - Dynamic Earth (3)
 - California Tectonic History (1)
 - Structural Geology (1)

Doctoral Dissertation

August 1997 to March 2002

Department of Geology, University of Kansas, Lawrence, Kansas

- Detailed (1:12000) geologic mapping, geochronology, and structural analysis:
 - Deformation history of the Panamint Range, California, insights into the Mesozoic arc tectonics of the Cordilleran Orogeny

Teaching Assistant

August 1997 to Summer 2001

Department of Geology, University of Kansas, Lawrence, Kansas

- Taught courses (# of times taught)
 - Summer Geology Field Camp (1)
 - includes digital field mapping
 - Physical Geology Labs (5)
 - Structural Geology Lab (2)
 - Igneous & Metamorphic Petrology (1)
 - lab and lecture

Exploration Geologist

June 1996 to August 1997

C.R. Briggs Corporation, Trona, California

- Detailed (1:2000) geologic mapping of a fault zone and associated gold mineralization
- Plan and manage exploration drilling campaign
- Log 30,000 feet of reverse circulation drill cuttings
- Create cross sections and block models using geologic and assay data from surface exposures and drilling data
- Build 3-D ore body models for resource evaluation and mine planning using GEMCOM software

Master Thesis

August 1992 to December 1995

Department of Earth & Planetary Science, University of New Mexico, Albuquerque, New Mexico

- Determine the spatial and geochemical evolution of a volcanic field of >50 Quaternary volcanoes and associated lava flows in western New Mexico (Zuni-Bandera volcanic field) from a study comprising geologic mapping and geochemical and petrologic analysis
- Perform mineral and whole rock chemical analyses using X-ray fluorescence and electron microprobe.
- Identify textures and minerals in 100s of thin section for samples of tuffaceous volcanic and hydrothermally altered rocks from drill cores the Yucca Mountain nuclear waste storage evaluation project – funded by the U.S. Department of Energy

Internship

Summers of 1992

Geophysics Division of the U.S. Geological Survey, Menlo Park, California

- Deploy and retrieve seismometers in Ontario and Quebec, Canada for Lithoprobe project
- Daily management of data after each seismic experiment

PUBLICATIONS

- Andrew, J.E., 2022, Strabo2 Help Guide: https://strabospot.org/files/helpFiles/Strabo2_Help_Guide.pdf (accessed October 2022).
- Andrew, J.E., 2022, Geologic map of the Slate Range Crossing area, California, USA: *Geosphere*, v. 18, n. 2, p. 728–729, 1:20000 scale, <https://doi.org/10.1130/GES02341.1>.
- Andrew, J.E., 2022, Geologic map of southern Panamint Valley, southern Panamint Range, and central Slate Range, California, USA: *Geosphere*, v. 18, n. 2, p. 726–727, 1:20000 scale, <https://doi.org/10.1130/GES02342.1>.
- Andrew, J.E., 2022, Geologic map of the central Panamint Range, California, USA: *Geosphere*, v. 18, n. 2, p. 730–731, 1:20000 scale, <https://doi.org/10.1130/GES02344.1>.
- Eltom, H.A., González, L.A., Hasiotis, S.T., Walker, J.D., Andrew, J.E., 2021, Calibration of bulk carbonate strontium isotopes to ammonite zones: Implication for global stratigraphic correlation of Callovian–Kimmeridgian strata in Central Saudi Arabia: *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 564, <https://doi.org/10.1016/j.palaeo.2020.110083>.
- Rittase, W.M., Walker, J.D., Andrew, J., Kirby, E., and Wan, E., 2020, Pliocene–Pleistocene basin evolution along the Garlock fault zone, Pilot Knob Valley, California: *Geosphere*, v. 16, n. 5, pp. 1208–1224, <https://doi.org/10.1130/GES02209.1>.
- Walker, J.D., Tikoff, B., Newman, J., Clark, R., Ash, J., Good, J., Bunse, E.G., Möller, A., Kahn, M., Williams, R.T., Michels, Z., Andrew, J.E., and Ruffledt, C., 2019, StraboSpot data system for structural geology: *Geosphere*, v. 15, no. 2, p. 533–547, <https://doi.org/10.1130/GES02039.1>.
- Solie, D.N., Werdon, M.B., Freeman, L.K., Newberry, R.J., Szumigala, D.J., Speeter, G.G., and Elliott, B.A., 2019, Bedrock-geologic map, Alaska Highway corridor, Tetlin Junction, Alaska to Canada border: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2019-3, 16 p., 2 sheets, scale 1:63,360. <https://doi.org/10.14509/30038>.
- Esker, D., Forman, S.L., Widga, C., Walker, J.D. Andrew, J.E., 2019, Home range of the Columbian mammoths (*Mammuthus columbi*) and grazing herbivores from the Waco Mammoth National Monument, (Texas, USA) based on strontium isotope ratios from tooth enamel bioapatite: *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 534, <https://doi.org/10.1016/j.palaeo.2019.109291>.
- Andrew, J.E. and Walker, J.D., 2017, Fault slip in the central Mojave Desert region: Resolving discrepancies between geologic and geodetic slip rates in the Eastern California shear zone: *Geological Society of America Bulletin*, <https://doi.org/10.1130/B31527.1>.
- Freeman, L.K., Newberry, R.J., Werdon, M.B., Szumigala, D.J., Andrew, J.E. and Athey, J.E., 2016, Preliminary digital bedrock geologic map data of the eastern Bonnifield mining district, Fairbanks and Healy quadrangles, Alaska: Alaska Division of Geological & Geophysical Surveys, Preliminary Interpretive Report 2016-3, <https://doi.org/10.14509/29661>.
- Bidgoli, T.S., Amir, E., Walker, J.D., Stockli, D.F., Andrew, J.E., Caskey, S.J., 2015, Low-temperature thermochronology of the Black and Panamint Mountains, Death Valley, California: Implications for geodynamic controls on Cenozoic intraplate strain: *Lithosphere*, v. 7, n. 4, p. 473–480, <https://doi.org/10.1130/L406.1>
- Andrew, J.E., Walker, J.D., and Monastero, F.C., 2015, Evolution of the central Garlock Fault zone, California: A major sinistral fault embedded in a dextral plate margin: *Geological Society of America Bulletin*, v. 127, p. 227–249, <https://doi.org/10.1130/B31027.1>.
- Andrew, J.E., Rittase, W.M, and Walker, J.D., 2014, Geologic Map of the Southern Slate Range and a Portion of the Central Garlock Fault, China Lake Naval Weapons Station, San Bernardino County, California: *Geological Society of America Digital Maps and Charts 20*, Scale 1:20000, <https://doi.org/10.1130/2014.DMCH020>.
- Andrew, J.E., Rittase, W.M, Monastero, F.C., 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 Maps and Charts 19*, Scale 1:20000, <https://doi.org/10.1130/2014.DMCH019>.
- Walker, J.D., Bidgoli, T.S., Didericksen, 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 transition to transtension: *Geosphere*, v. 10, p. 276–291, <https://doi.org/10.1130/GES00947.1>.
- Andrew, J.E., and Walker, J.D., 2009, Reconstructing late Cenozoic deformation in central Panamint Valley, California: Evolution of slip partitioning in the Walker Lane: *Geosphere*, v. 5, p. 172–198, <https://doi.org/10.1130/GES00178.1>.

PUBLICATIONS (continued)

- Andrew, J.E.**, 2009, Cenozoic tectonic history of the northern Sierra Madre Occidental, Huizopa, Sonora-Chihuahua, Mexico: *Ores and Orogenesis: Circum-Pacific Tectonics, Geologic Evolution, and Ore Deposits*, Arizona Geological Society. [<link>](#)
- Andrew, J.E.**, 2008, Western Quail Mountains Geologic map, China Lake Naval Weapons Center: Geological Society of America Maps and Charts Series, 1:20000 scale, <https://doi.org/10.1130/2014.DMCH005>.
- Walker, J.D., Kirby, E., and **Andrew, J.E.**, 2005, Strain transfer and partitioning between the Panamint Valley, Searles Valley, and Ash Hill fault zones, California: *Geosphere*; v. 1; n. 3, p. 111–118, <https://doi.org/10.1130/GES00014.1>.
- Walker, J.D., Black, R.A., Berry, A., **Andrew, J.**, Davis, P., Mitsdarfer, J., and Monastero, F.C., 2002, Geologic compilation for the southwestern Basin and Range and northern Mojave Desert: Geological Society of America Memoir 195, 1:250000 scale. <https://doi.org/10.1130/0-8137-1195-9.295>.
- Andrew, J.E.**, 1998, Volcanic History of the Northern Chain of Craters, *in* Natural History of El Malpais National Monument: New Mexico Bureau of Mines & Mineral Resources, n. 156, p. 31-39. [<link>](#).

PRESENTATIONS

- Andrew, J.E.** and Walker, J.D., 2022, The Garlock fault zone as a wide zone of accommodation, a long-lived passive structure embedded in the evolving extensional to dextral shear deformation systems of eastern California: Geological Society of America Abstracts with Programs, v. 54, n. 2, <https://doi.org/10.1130/abs/2022CD-374184>.
- Andrew, J.E.** and Walker, J.D., 2021, Dynamics of fault slip at the interface of the Garlock fault with the Walker Lane belt, Spangler Hills, California: Geological Society of America Abstracts with Programs, v. 53, n. 6, <https://doi.org/10.1130/abs/2021AM-369527>.
- Chan, C., McLean, N.M., Thompson, R., Gilmer, A., **Andrew, J.**, Souders, A.K., 2021, Timescales of magmatism during large-scale extension: new CA-TIMS U-Pb zircon geochronology of late-Miocene intrusions, central Death Valley, California: Geological Society of America Abstracts with Programs, v. 53, n. 6, <https://doi.org/10.1130/abs/2021AM-367511>.
- Panahi, F., Walker, J.D., and **Andrew, J.E.**, 2021, Bimodal magmatism in the Late Jurassic Sierra Nevada contractional arc, California: Geological Society of America Abstracts with Programs, v. 53, n. 6, <https://doi.org/10.1130/abs/2021AM-369950>.
- Andrew, J.E.** and Walker, J.D., 2020, New insights from the 2019 Ridgecrest earthquakes into the evolving accommodation of transverse dextral-slip into the through-going sinistral-slip Garlock fault zone: Geological Society of America Abstracts with Programs, v. 52, n. 4, <https://doi.org/10.1130/abs/2020CD-347263>.
- Andrew, J.E.**, and Walker, J.D., 2020, Total slip estimates of the 7.1M (July 2019) seismogenic Airport Lake fault system, Ridgecrest, California: Geological Society of America Abstracts with Programs, v. 52, n. 6, <https://doi.org/10.1130/abs/2020AM-357444>.
- Panahi, F., Walker, J.D., and **Andrew, J.E.**, 2020, Protracted deformation within the Mesozoic Sierran arc, Cronese Hills, Southern California: Geological Society of America Abstracts with Programs, V. 52, n. 6, <https://doi.org/10.1130/abs/2020AM-358864>.
- Bidgoli, T.S., Kurtoglu, B. 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 Abstracts with Programs. v. 52, n. 6, <https://doi.org/10.1130/abs/2020AM-359124>.
- Walker, J.D., Monastero, F.C., **Andrew, J.E.**, Kirby, E., Unruh, J.R., 2019, The M7. 1 and 6.4 Ridgecrest earthquakes on the Airport Lake Fault Connect Owens Valley to the Garlock Fault, AGU Fall Meeting Abstracts 2019, [S34C-07](#).
- Andrew, J.E.**, 2019, Deciphering the polyphase tectonic evolution of the Jurassic-Cretaceous arc in the Death Valley region by revisiting the enigmatic Butte Valley fault, Panamint Range, California: Geological Society of America Abstracts with Programs, v. 51, n. 5, <https://doi.org/10.1130/abs/2019AM-339194>.
- Walker, J.D., and **Andrew, J.E.**, 2019, Southern continuation and termination of the Airport Lake fault: Geological Society of America Abstracts with Programs, v. 51, n. 5, <https://doi.org/10.1130/abs/2019AM-342036>.
- Olson, A., Walker, D., **Andrew, J.E.**, Moller, A., Rolo, B., 2018, Geologic evolution and regional implications of southern Old Dad Mountain, Mojave Desert, California: Geological Society of America Abstracts with Programs, v. 50, n. 6, <https://doi.org/10.1130/abs/2018AM-324213>.
- Andrew, J.E.**, and Walker, J.D., 2016, Path and amount of through-going dextral fault slip in the central Mojave Desert portion of the Eastern California shear zone: Geological Society of America Abstracts with Programs, v. 48, n. 7. Geological Society of America Abstracts with Programs, <https://doi.org/10.1130/abs/2016AM-282828>.

(PRESENTATIONS continued)

- Goff, G.T., Barth, A.P., Walker, J.D., **Andrew, J.E.**, Riggs, N., and Wooden, J.L., 2016, Petrologic implications of the Palisade Crest intrusive suite: Geological Society of America Abstracts with Programs, v. 48, n. 7, <https://doi.org/10.1130/abs/2016AM-281608>.
- Walker, J. D., Tikoff, B., Newman, J., Good, J., Ash, J., **Andrew, J.E.**, Williams, R.T., Michels, Z.D., Kahn, M., and Bunge, E.G., 2016, The Strabo data system for structural geology and tectonics: Geological Society of America Abstracts with Programs. v. 48, n. 7, <https://doi.org/10.1130/abs/2016AM-285167>.
- McLean, N.M., Bidgoli, T.S., Walker, J.D., and **Andrew, J.E.**, 2016, Using the Geochron Database for Data Preservation and Exploration of Geothermal Resources: AGU Fall Meeting Abstracts, <https://agu.confex.com/agu/fm16/meetingapp.cgi/Paper/190319>.
- Newman, J., Walker, D., Tikoff, B., Good, J., Michels, Z., Ash, J., **Andrew, J.**, and Williams, R., 2016, Data System for Structural Geology and Tectonics: European General Union General Assembly Conference Abstracts, v. 18, p. 10959, <https://ui.adsabs.harvard.edu/abs/2016EGUGA..1810959N>.
- Woodring, D., Walker, J.D., **Andrew, J.E.**, Möller, A., 2015, Geologic and geochronologic reconnaissance of the Southeast Owlshhead Mountains In Southern Death Valley, California: Geological Society of America Abstracts with Programs, v. 47, n. 7, p. 149, [<link>](#).
- Walker, J.D., Tikoff, B., Newman, J., Good, J., Ash, J., Michels, Z.D., **Andrew, J.E.**, Williams, R.T., Möller, A., and Richard, S.M., 2015, Cyberinfrastructure for Structural Geology and Tectonics: Geological Society of America Abstracts with Programs, v. 47, n. 7, p. 820, [<link>](#).
- Bidgoli, T.S., Amir, E., Walker, J.D., Stockli, D.F., **Andrew, J.E.**, 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, n. 7.
- Barth, A.P., Riggs, N., Walker, J.D., **Andrew, J.**, Jacobson, C.E., and Miller, D.M., 2014, Petrogenetic connections between volcanic rocks and intrusive suites in the California arc-toward an integrated model for upper-crustal magma system evolution AGU Fall Meeting Abstracts 2014, V33B-4849.
- Andrew, J.E.**, 2013, Neogene polyphase extension in the northern Basin and Range, Stillwater Range, Nevada: Geological Society of America Abstracts with Programs, v. 45, n. 7, <https://gsa.confex.com/gsa/2013AM/webprogram/Paper232237.html>.
- Rittase, W.M., Walker, J.D., Kirby, E., **Andrew, J.E.**, Wan, E., 2012, Late Cenozoic sedimentation in Pilot Knob Valley, California: AGU Fall Meeting Abstracts 2012, T51B-2585, [<link>](#).
- Andrew, J.E.**, and Walker, J.D., 2012, A tale of two settings: two contrasting episodes of slip behavior of the left-lateral Garlock fault from a rock-constrained 4-d evolution model, eastern California: Geological Society of America Abstracts with Programs, v. 44, n. 7.
- Andrew, J.E.**, Walker, J.D., and Monastero, F.C., 2011, Slip history model of the Garlock fault zone: Basin and Range extension overprinted by Eastern California Shear Zone transtension: Geological Society of America Abstracts with Programs, v. 43, n. 2., p. 209.
- Andrew, J.E.**, Walker, J.D., and Monastero, F.C., 2011, Initiation and slip history of the central segment of the Garlock fault, California: Geological Society of America Abstracts with Programs, v. 43, n. 5, [<link>](#).
- Freeman, L.K., Newberry, R.J., **Andrew, J.E.**, Szumigala, D.J., Weldon, M.B., Athey, J.E., and Burns, L.E., 2013, Geologic setting of syngenetic and epigenetic deposits in the eastern Bonfield mining district, Alaska: Alaska Miners Association, 22nd Annual Biennial Mining Conference, March 9-13, 2010: Alaska Division of Geological & Geophysical Surveys, 25 p., <https://doi.org/10.14509/25279>.
- Andrew, J.E.**, Walker, J.D., Rittase, W., Monastero, F.C., Sabin, A., 2010, Slip and kinematic history of the Garlock fault from analysis of the Lava Mountains Miocene volcanic-sedimentary sequence, San Bernardino County, California: Geological Society of America Abstracts with Programs, v. 42, No. 4.
- Andrew, J.E.**, 2010, Large-magnitude extension of the Death Valley detachment system and evolution of the Garlock fault: Geological Society of America Abstracts with Programs, v. 42, No. 4.
- Andrew, J.E.**, 2009, Deformation history of the southern Yukon-Tanana terrane from two sites in the eastern Alaska Range: Geological Society of America Abstracts with Programs, v. 41, No. 7.
- Andrew, J.E.**, 2008, A new palinspastic reconstruction of Neogene transtension across Panamint Valley, California: Implications for Mesozoic deformation in the Central Basin and Range: Geological Society of America Abstracts with Programs, v. 40, n. 1.
- Andrew, J.E.**, 2007, Cenozoic tectonic history of the northern Sierra Madre Occidental, Huizopa, Sonora-Chihuahua, Mexico: at Arizona Geological Society Symposium, Ores and Orogenesis: Circum-Pacific Tectonics, Geologic Evolution and Ore Deposits, a symposium in honor of William R. Dickinson.

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- Andrew, J.E.**, 2005, Neogene strain history of detachment fault-controlled Panamint Valley through early extension to active transtension: total displacement and overprinting relationships: at Penrose Conference, Kinematics and Geodynamics of intraplate dextral shear in eastern California and western Nevada, April 23rd, 2005, Mammoth Lakes, California.
- Andrew, J.E.**, 2005, Complexity and transtension in the Walker Lane Belt due to superposition of Neogene strain fields; Panamint Valley, California: Geological Society of America Abstracts with Program, v. 37, n. 7.
- Andrew, J.E.** and Walker, J.D., 2003, Miocene and Pliocene volcanic-sedimentary successions and relationships with deformation in the extensionally dismembered Panamint Valley region, SE California: Geological Society of America Abstracts with Programs, v. 35, n. 6.
- Kirby, E., Snyder, N., Whipple, K., Walker, J.D., and **Andrew, J.**, 2003, Neotectonics of the Panamint Valley fault zone: Active slip on a low-angle normal fault system: Eos Transactions, AGU fall meet. Suppl., 84.
- Andrew, J.E.** and Walker, J.D., 2002, Geometry and kinematics of Miocene to Pleistocene transtension in the northern Slate Range, California: Geological Society of America Abstracts with Programs, v. 34, n. 6.
- Andrew, J.E.**, 2001, Insight into the arc tectonics of the southwestern Cordillera via the Mesozoic deformation history of the Panamint Range, California: Geological Society of America Abstracts with Programs, v. 33, n. 6.
- Andrew, J.E.**, 2000, Late Cretaceous extension in the Panamint Range, California: Implications for Tertiary Death Valley regional extension: Geological Society of America Abstracts with Programs, v. 32, n. 7.
- Walker, J.D., Black, R.A., Ferris, A.N., **Andrew, J.E.**, Dewane, T.J., Jackofsky, D.S., and Mitsdarfer, J.M., 1999, Using computers and GIS software in the field for teaching geologic mapping: Geological Society of America Abstracts with Programs, v. 31, n. 7.
- Andrew, J.E.**, 1998, Thrust-style deformation along a low-angle normal fault, Panamint Range, California: Geological Society of America Abstracts with Programs, v. 30, n. 7.
- Andrew, J.E.** and Kudo, A.M., 1994, Temporal, spatial and chemical pattern of Quaternary basaltic volcanism in the Zuni-Bandera volcanic field, western New Mexico: Geological Society of America Abstracts with Programs, v. 26, n. 6.