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Research Interests- paleobiology of lake systems, climate change, Ostracoda

Other Interests- science communication, continental drilling, research experiences for undergraduates, art and science

EDUCATION

PhD1995 **University of Arizona** (Geosciences; Minor: Ecology and Evolutionary Biology)
Advisor: Andrew S. Cohen
MS 1991 **University of Arizona** (Geosciences) Advisor: Andrew S. Cohen
BA 1988 **The College of Wooster** (Geology, with Honors) Advisor: Mark A. Wilson

EMPLOYMENT AND APPOINTMENT HISTORY

2020-- **Associate Dean**, Research and Graduate Affairs, College of Liberal Arts and Sciences (CLAS)
2019--2020 **Head**, Department of Geosciences, University of Connecticut
2019-- **Professor**, Department of Geosciences, University of Connecticut
2014-2019 **Director**, Center for Integrative Geosciences, University of Connecticut
2014-2019 **Professor**, Department of Geography, University of Connecticut
2010-2013 **Program Director**, National Science Foundation (NSF) Directorate of Geosciences, serving in the following areas: Sedimentary Geology and Paleontology (core program), Coastal Science Engineering and Education for Sustainability (SEES) (cross-directorate program), EarthCube (cross-directorate program), and Advancing Digitization of Biodiversity Collections (ADBC)
2010-2018 **Research Associate**, Smithsonian Institution
2012-2014 **Professor**, Department of Biology, University of Akron (joint appointment)
2007-2014 **Professor**, Department of Geosciences, University of Akron
2002-2003 **Ewing-Putnam Visiting Professor**, Ohio University
2002-2014 **Adjunct Professor**, Kent State University
2001-2007 **Associate Professor**, Department of Geology, University of Akron
1995-2001 **Assistant Professor**, Department of Geology, University of Akron
1995 **Visiting Faculty Member**, DePaul University
1994-1995 **Faculty Member**, Heartland Community College (Bloomington, Illinois)

LEADERSHIP ACTIVITIES

Leadership Training

2014-2018 Heads and Chairs Workshop, American Geophysical Union
2015 SERC NAGT Teaching Workshop
2014 Inner Strengths of Successful Leaders, Harvard Graduate School of Education
2014 Expert Witness Training Academy, William Mitchell School of Law, St. Paul, MN

Advisory Boards and Committees

2018-present International Continental Drilling Program Science Advisory Group, Vice Chair (SAG)

2016-present	University of Texas CT Scanning Facility Advisory Board
2016-2019	PALAIOS, Editorial Board
2016-present	Paleobiology Database Executive Committee
2016-2017	Limnogeology Division Russell Award Nomination Committee
2015-present	Chair Continental Scientific Drilling Coordination Office, Policy Committee
2015-2018	Cyberinfrastructure for the Paleogeosciences Advisory Board
2013-2016	STEPPE Sedimentary Geology, Time, Environment, Paleoclimatology, Paleontology and Energy, Executive Committee, Past Chair, Co-PI

University of Connecticut Committees and Advisory Boards

2019-present	CLAS Strategic Plan Implementation Committee, Chair
2019-present	University Senate Budget Committee
2019-present	University Senate
2017-2019	College of Liberal Arts and Sciences Diversity Committee
2016-2018	College of Liberal Arts and Sciences Curriculum Committee
2016-present	Institute for Student Success, Louis Stokes Alliance for Minority Participation (LSAMP), Advisory Board
2015-2016	Mathematics Chair Search, University of Connecticut
2015-2018	Undergraduate Curriculum Committee, Department of Geography
2014-present	Environmental Policy Advisory Council
2014-present	Environmental Science Advisory Committee

National Science Foundation Panels (2014-2019)

- Integrated Earth Systems NSF Review Panel
- EarthCube Prototypes, Building Blocks and Infrastructure, NSF Review Panel
- Critical Zone Observatories Network NSF Review Panel
- Geoinformatics NSF Review Panel
- International Research Experience for Students NSF Review Panel

Awards and Recognition

2017	Fellow, The Paleontological Society
2012	National Science Foundation (NSF) Director's Award for Collaborative Integration
2008	Mentor of the Year, University of Akron
2007	Fellow, Geological Society of America
2007	Profile in <i>Science</i> "The World of Undergraduate Education" (<i>Science</i> 317: p. 67)
2004	University of Akron, Chairs' Award for Outstanding Achievement in Research
2003	Paleontological Society Distinguished Lecturer

ACADEMIC PROGRAMS AND INITIATIVES

UNIVERSITY OF CONNECTICUT (August, 2014---

Successfully led efforts to reinstate Geoscience Department, after it had been dissolved in 2003 and reformed as an integrative Center. The new Department of Geosciences was launched in July, 2019. Acquired major resources for Center (>\$3.5 million), including new Computer Lab (10 computers and 3D Printer), new Conference Room, as well as renovated Student Study Lounge, renovated front office, hallways and introductory teaching labs. New equipment for rock saw room and mass spectrometry lab. Established a new "UCORE" coring facility with Livingstone and vibracoring devices, LOI, Camsizer grainsize analyzer, and Corewall analyzer. Revised introductory curriculum (4 courses and lab). Completed SWOT (Strengths, Weaknesses, Opportunities and Threats) analysis

and Strategic Plan for Center. Completed Center 5 Year Review (2016) as well as comprehensive Self Study (2018). Established an Advisory Board, Alumni Career Panels, Research for Undergraduate program, and year end “Geoscience Day” for student research. Is currently establishing an academic exchange program with the University of Tubingen for faculty and students in the geosciences and archaeology. Recruited and hired 3 new tenure-track faculty members (2 female/1 male) and 3 non-tenure track faculty (2 female/1 male) since 2014.

NATIONAL SCIENCE FOUNDATION EXPERIENCE (August, 2010-August, 2013)

Established goals and objectives and initiated new program thrusts, including writing a new solicitation (Earth Life Transitions-ELT) and serving on the EarthCube working group, Coastal SEES program officer working group and Advancing Digitization of Biodiversity Collections (ADBC). Revised current activities of the SGP program to further strengthen linkages with collaborative programs at NSF and other Federal agencies. Participated in technical management and financial oversight of over 100 funded projects. Managed merit review process in an effective and timely manner (approximately 40 proposals every 6 months with a dwell time of <6 months). Represented SGP/EAR/GEO and NSF at relevant internal and external events, including workshops and town halls. Coordinated the Navigating NSF Workshop for two national meetings (AGU and GSA). Kept abreast of current research and educational trends. Participated in a defined subset of professional activities that included: conducting research, delivering presentations (30 abstracts for national meetings and 4 invited seminars) and publishing quality scholarship (11 published papers in 3 years), attended conferences of relevance, read scientific articles and books and engaged in other forms of ongoing professional development. Worked cooperatively across the Division, Directorate, and Foundation, and with other agencies to accomplish the mission of NSF. Served on Geochronology working group, as Chair of AC-GEO Research Initiatives working group and was a member of Respectful Workplace working group. Conducted two facility site visits. Participated in Federal Government Training Seminar Series.

TIMELINE OF ACTIVITIES (NSF)

- 2010-2013 Program Officer, Sedimentary Geology and Paleobiology-\$8M funding; proposal and award management; strategic planning and program development
- 2011-2013 GEO Implementation Team and Program Officer, EarthCube: \$5M to \$16M joint venture between GEO and ACI to create a new geoscience data and knowledge management system for the 21st Century
- 2012-2013 Program Officer and EAR representative, Coastal SEES (Science, Engineering and Education for Sustainability): \$9.25M, cross-Directorate initiative in coastal science
- 2010-2013 Program Officer and EAR representative, Advancing Digitization of Biodiversity Collections (ADBC): \$10 million/year joint venture between BIO and GEO Directorates to enable digitization of biodiversity collections for research; closely linked with iDigBio collections hub
- 2012-2013 Earth Life Transitions Solicitation-developed and wrote solicitation for new programmatic initiative: \$4M
- 2012 Facility Site Visit Team: University of Texas CT Scanning Facility
- 2012 Facility Site Visit: Colorado River Research Support
- 2012 EAR Instrumentation and Facilities: panel participation
- 2012-2014 EAR Working Group on Geochronology
- 2012 Federal Government Training Seminar Series-informal seminar and training series on the Federal Government that included visits to Capitol Hill, the West Wing and Oval Office of the White House and meetings with personnel from the Office of Science and Technology Policy

- 2011-2013 Workshop Participation- DETELON (Deep Earth-Life Observatory Network) (February, 2011), Paleogeography (July, 2011), Transitions (November, 2011), Critical Transitions-Chinese-American paleontology (March, 2012), EarthCube Paleogeoscience (February, 2013), EarthCube Sedimentary Geology (March, 2013), Continental Drilling (April, 2013)
- 2011-2012 Navigating NSF Workshops-Organized and convened 3 hour workshops at the Geological Society of America (GSA) and the American Geophysical Union (AGU) meetings, focusing on merit review process and new funding opportunities
- 2011 Committee of Visitors Program Review, Sedimentary Geology and Paleobiology 2010-2011 RESPECT Working Group-Developed standards of behavior for a respectful workplace environment that were adopted by the GEO Directorate; Attended training seminar on changing community culture and expectations of behavior

UNIVERSITY OF AKRON (1995-2014)

Environmental Scanning Electron Microscope (ESEM) Laboratory, University of Akron- received NSF funding to establish a regional ESEM facility. Lab currently supports over 140 users from 11 departments and 3 colleges within the University and external users from 15 regional academic and commercial institutions. Approximately \$2.3 million research supported through this facility. Supervised 1 quarter time staff.

Archaeogeophysics Laboratory, University of Akron- received NSF funding to establish an Archaeogeophysics Laboratory; new interdisciplinary course taught; over 75 students trained in program; lab has been involved with survey work in 5 countries, including Turkey, Egypt, India, Azerbaijan, and the Bahamas.

Terrestrial Records of Environmental Change (TREC), University of Akron- helped establish this research focus within the Department of Geosciences.

University of Akron-Cleveland State University Collaborative Program in Geology and Environmental Science- helped to initiate a program between two institutions that allow students to complete their baccalaureate degree within both programs.

Integrated Bioscience (IB) Faculty, University of Akron- is an active member of the IB program; taught 2 courses within the program and graduated two PhD students within the program.

PROFESSIONAL SOCIETY AND ORGANIZATIONAL AND EDITORIAL EXPERIENCE

The Paleontological Society-has served at every level of this organization and is a Fellow. It is the primary professional organization in the field of paleontology.

- 2017 Fellow
- 2009-2011 Secretary-elected by membership
- 2007-2009 North American Paleontological Conference, Steering Committee
- 2006-2008 Second Century Development Committee-raised >\$250,000 for Centennial Fund
- 2005-2008 NSF-Future Research Directions in Paleontology Committee
- 2005-2008 Nominating Committee
- 2005-2007 Education Committee
- 2005-2006 North Central Section Chair
- 2003-2005 Councilor-At-Large (under 40)-elected by membership
- 2000-2004 Joint Technical Program Committee (Paleontological Society Rep for GSA)
- 2002-2004 Schuchert Award Committee
- 2003 Short Course Organizer and Volume Editor
- 2003 GSA Topical Session Convener-Ostracodes
- 2001-2003 Distinguished Lecturer
- 1999 GSA Topical Session Convener-Phylogeny Reconstruction

Geological Society of America-has served at various levels of this organization and is a Fellow.

2018-2020	Chair, Limnogeology Division
2016-2019	Annual Program Committee (Chair 2018-2019)
2016-2018	Vice Chair, Limnogeology Division
2007	Fellow
2007-2009	<i>Treatise on Invertebrate Paleontology</i> , Advisory Committee, Chair
2002-2008	<i>Geology</i> Editorial Board
2006	North Central Meeting Technical Co-Chair
2003-2005	Limnogeology Division Founding Secretary
2000-2004	Membership Committee
2000-2004	Joint Technical Program Committee (Paleontological Society Rep for GSA)

Northern Ohio Geological Society

2006-2007	President-elected position
2005-2006	Vice-President-elected position
2004-2005	Member-At-Large-elected position

Other Activities and Awards

2015	Keynote Address: 18th Annual Environmental Chemistry and Microbiology Student Symposium, Pennsylvania State University
2015	Host "Science for the Average Joe" Radio program
2006	Career Day-The College of Wooster
2006	The 13th Symposium on the Geology of the Bahamas & other Carbonate Regions, Co-Chair, Editor
1996-1999	Species in Ancient Lakes (SIAL) Steering Committee
1998-2011	Earth and Sky Scientific Advisor
1999	Award of Appreciation, Geology Club
1999	Outstanding Faculty Award, Golden Key Society, University of Akron
1999	Favorite Faculty Award, Omicron Delta Kappa, University of Akron
1998	NSF panel-DUE-CCLI

RESEARCH AND SCHOLARLY ACTIVITIES

BOOKS AND EDITED VOLUMES

1. Rosen, M., Finkelstein, D., and **Park Boush, L.**, (eds). In Review. *Advances in Limnogeology—A Tribute to Elizabeth Gierlowski-Kordesch*. Springer-Verlag.
2. Cohen, P., Lockwood, R., and **Park Boush, L.E.**, (eds), 2018. *Pedagogy and Technology in the Modern Paleontology Classroom*. Short Course Notes: Paleontological Society Special Paper.
3. Viehberg, F., Matzke-Karasz, R., **Park Boush, L.**, Smith, A., 2014. The Recent and Fossil Meet Kempf Database Ostracoda: Festschrift Eugen Karl Kempf—Proceed. of the 15th International German Ostracodologists' Meeting. *Crustaceana Monographs*, 20, Brill, Boston, 251 p.
4. **Park, L.E.**, and Freile, D., (Eds), 2008. *13th Symposium on the Geology of the Bahamas and Other Carbonate Regions*. Gerace Research Centre, San Salvador Island, Bahamas, 223 p.
5. McConnell, D., Steer, D., Knight, C., Owens, K., and **Park, L.**, 2007. *The Good Earth: An Inquiry-Based Earth Science Textbook*. McGraw-Hill Publishing: 536 p.
6. **Park, L.E.**, and Smith, A. (eds.) 2003. *Bridging the Gap: Trends in the Ostracode Biological and Geological Sciences*. Short Course Notes: Paleontological Society Special Paper. 290 p.
7. **Park, L.E.**, and Smith, A.S. (eds.) 2001. *Paleobiology Special Issue*, v. 27.

REFEREED PAPERS (PUBLISHED AND IN REVIEW)

62. Antonietto, L.S., **Park Boush, L.E.**, Plotnick, R.E., Stigall, A., In Revision. Paleocological aspects of western United States nonmarine ostracods during the Eocene-Oligocene transition. *Palaios*.
61. **Park Boush, L.E.**, McFarland, A.J., and Antonietto, L.S., In Revision. Ostracode dynamics in response to climatically and tectonically induced lake level fluctuations in Fossil Basin, Green River Formation, Wyoming, USA. In: *Advances in Limnogeology—A Tribute to Elizabeth Gierlowski-Kordesch*. Rosen, M., Finkelstein, D., and **Park Boush, L.** (eds.). Springer-Verlag.
60. Medeiros, C.G., DO Carmo, D.A., Antonietto, L.S. and **Park Boush, L.E.** In Review. The ostracods from Solimões Formation, Brazil: proposal of an alternative biostratigraphic zonation for the Neogene of Amazonia. *Revista Brasileira de Paelontologia*.
59. Michelson, A.V., Kidwell, S.M., **Park Boush, L.**, and Ash, J.L., 2018. Testing for human impacts in the mismatch of living and dead ostracode assemblages at nested spatial scales in subtropical lakes from the Bahamian archipelago. *Paleobiology* v. 44(4): 758-782. <https://doi.org/10.1017/pab.2018.20>
58. Antonietto, L., **Park Boush, L.**, Suarez, C.A., Milner, A.R.C., and Kirkland, J.I., 2018. The 'Last Hurrah of the Reigning Darwinulocopines'? Ostracoda (Arthropoda, Crustacea) from the Lower Jurassic Moenave Formation, Arizona and Utah, USA. *Journal of Paleontology*, 92(4): 648-660. <https://doi.org/10.1017/jpa.2017.150>
57. Michelson, A.V. and **Park Boush, L.**, 2017. A quantitative inference model for conductivity using non-marine ostracode assemblages on San Salvador Island, Bahamas: Paleosalinity records from two lakes. *Palaeogeography, Palaeoclimatology, Palaeoecology* v. 477: 27-39. <http://dx.doi.org/10.1016/j.palaeo.2017.04.002> [0031-0182/](https://doi.org/10.1016/j.palaeo.2017.04.002)
56. Buynevich, I.V., Savarese, M., Curran, H.A., Bitinas, A., Glumac, B., Pupienis, D., Kopcznski, K., Dobrotin, N., Gnivecki, P., and **Park Boush, L.**, 2017. Sand incursions into temperate (Lithuania) and tropical (the Bahamas) maritime vegetation: georadar visualization of target-rich aeolian lithosomes. *Journal of Estuarine, Coastal and Shelf Science* v. 195: 69-75. <https://doi.org/10.1016/j.jecss.2017.02.011>
55. Stigall, A., Plotnick, R., and **Park Boush, L.E.**, 2017. The first Cenozoic spinicaudatans from North America. *Journal of Paleontology* 91: 467-476. <https://doi.org/10.1017/jpa.2017.15>
54. Michelson, A.V., **Park Boush, L.E.**, and Pan, J.J., 2016. Discerning patterns of diversity from biogeographical distributions: testing models of metacommunity dynamics using ostracodes from the Bahamas. *Hydrobiologia*, v. 766: 305-319. DOI: 10.1007/s10750-015- 2464-1
53. Michelson, A.V., and **Park Boush, L.E.**, 2016. Paleosalinity records from three lakes on San Salvador Island, Bahamas, inferred from preserved ostracode assemblages. In B. Glumac and M. Savarese (eds.). *16th the Symposium on the Geology of the Bahamas and Other Carbonate Regions*. Gerace Research Centre, San Salvador Island, Bahamas: 124-140.
52. **Park Boush, L.E.**, Myrbo, A.E., and Michelson, A., 2014. A qualitative and quantitative model for climate-driven lake formation on carbonate platforms based on examples from the Bahamian archipelago. *Carbonates and Evaporites*. v. 29: 409-418. (DOI) **10.1007/s13146-014-0221-6**
51. Buynevich, I.V., Savarese, M., Kadurin, S.V., Larchenkov, E.P., **Park Boush, L.E.**, Curran, A.H., and Beal, I.A., 2014. Morphodynamics and geological legacy of berm scarps along non-tidal (Ukraine) and microtidal (the Bahamas) coasts. *Geology and Geography Series*, Odessa National University, Ukraine, 10 p. <http://dspace.onu.edu.ua:8080/handle/123456789/6286>
50. Seddon, Alistair (et al. +68 authors), 2014. Looking forward through the past: Identification of 50 priority research questions in palaeoecology. *Journal of Ecology*. <http://onlinelibrary.wiley.com/doi/10.1111/1365-2745.12195/>

49. Michelson, A.V., and **Park, L.E.**, 2013. Taphonomic dynamics of lacustrine ostracodes on San Salvador, Bahamas: High fidelity and evidence of anthropogenic modification. *PALAIOS*, v. 28: 129-135.
<http://palaios.geoscienceworld.org/content/28/2/129.full.pdf+html?sid=4906d181-bfe9-4872-b108-85431f6f0ba5>
48. Astrop, T., Weeks, S.C., and **Park, L.E.**, 2012. Sexual discrimination at work: Spinicaudata 'Clam Shrimp' (Crustacea: Branchiopoda) as a model organism for the study of sexual system evolution. *Palaeontologica Electronica* 15(2): 1-15. <http://palaeo-electronica.org/content/2012-issue-2-articles/262-sexual-systems-in-fossilsr>
47. **Park, L.E.**, 2012. Comparing two long-term hurricane frequency and intensity records from San Salvador Island, Bahamas. *Journal of Coastal Research*, v. 28: 891-902.
<http://dx.doi.org/10.2112/JCOASTRES-D-11-00065.1>.
46. Michelson, A.V., and **Park, L.E.**, 2011. Taphonomic dynamics of lacustrine ostracodes on San Salvador Island, Bahamas: Live/dead fidelity and intralake variability. *15th the Symposium on the Geology of the Bahamas and Other Carbonate Regions*. Gerace Research Centre, San Salvador Island, Bahamas.
45. Dalman, M.R. and **Park, L.E.**, 2011. Tracking hurricane and climate change records in a Bahamian coastal lake: Clear Pond, San Salvador Island, Bahamas. *15th the Symposium on the Geology of the Bahamas and Other Carbonate Regions*. Gerace Res. Centre, San Salvador Island, Bahamas.
44. Srivatsan, T.S., Kuruvilla, M., and Park, L., 2010. A study at understanding the mechanisms governing the high cycle fatigue and final fracture behavior of the titanium alloy: Ti-4Al- 2.5V. *Materials Science and Engineering*, v. 527(3): 435-448.
43. Niemi, T.M., Ameis, A., Murowchick, J.B., and **Park, L.E.**, 2010. Anthropogenic heavy metals in sediment cores from Salt Pond, San Salvador Island, Bahamas. *14th the Symposium on the Geology of the Bahamas and Other Carbonate Regions*. Gerace Research Centre, San Salvador Island, Bahamas. p. 186-199.
42. Michelson, A.V. and **Park, L.E.**, 2010. Ostracode metacommunity dynamics on San Salvador Island, Bahamas: discerning patterns of diversity and biogeographical distributions. *13th Symposium on the Natural History of the Bahamas*. Gerace Research Centre, San Salvador Island, Bahamas.
41. Sipahioglu, S.M., **Park, L.E.**, and Siewers, F.M., 2010. Tracking storms through time: event deposition and biologic response in Storr's Lake, San Salvador Island, Bahamas. *14th Symposium on the Geology of the Bahamas and Other Carbonate Regions*. Gerace Research Centre, San Salvador Island, Bahamas. p. 220-236.
40. Ingalls, B.R., and **Park, L.E.**, 2010. Biotic and taphonomic response to lake level fluctuations in the Greater Green River Basin (Eocene), Wyoming. *PALAIOS*, v. 25, p. 287-298.
<http://dx.doi.org/10.2110/palo.2009.p09-048r>
39. **Park, L.E.**, and Cohen, A.S., 2010. Paleoecological response of ostracods to early-Late Pleistocene lake level changes in Lake Malawi, East Africa. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 303 (1-4): 71-80.
<http://dx.doi.org/10.1016/j.palaeo.2010.02.038>
38. Buffler, R.T., Walter, R.C., Ghebretensae, B.N., Bruggemann, J.H., Guillaume, M.M.M., Berhe, S.M., McIntosh, W., **Park, L.E.**, 2010. Geologic setting of the Abdur Archaeological Site on the Red Sea coast of Eritrea, Africa. *Global and Planetary Change*. p. 429-450.
<http://dx.doi.org/10.1016/j.gloplacha.2010.01.017>
37. **Park, L.E.**, Siewers, F.D., Metzger, T., and Sipahioglu, S., 2009. After the hurricane hits: recovery and response to large storm events in a saline lake, San Salvador Island, Bahamas. *Quaternary International*, v. 195: 98-105. <http://dx.doi.org/10.1016/j.quaint.2008.06.010>

36. Johnson, C.R., Ashley, G.M., de Wet, C.B., Dvoretzky, R., **Park, L.**, Hover, V.C., Owen, R.B., and McBrearty, S., 2009. Tufa as a record of perennial freshwater in a semi-arid rift basin, Kapthurin Formation, Kenya. *Sedimentology*, v. 56: 1115-1137.
<http://dx.doi.org/10.1111/j.1365-3091.2008.01022.x>
35. Srivatsan, T.S., Kuruville, M., and **Park, L.**, 2008. An investigation of the cyclic fatigue and final fracture behavior of a titanium alloy. *Key Engineering Materials*, v. 378: 271-298.
34. Srivatsan, T.S., Vasudevan, S., Park, L., and Lederich, R.J., 2008. The high cycle fatigue and fracture behavior of friction stir welded aluminum alloy 2024. *Key Engineering Materials*, v. 378: 175-206.
33. Srivatsan, T.S., Vasudevan, S., **Park, L.**, Lederich, R.J., 2008. An investigation of the high cycle fatigue and final fracture behavior of aluminum alloy 2219. *Key Engineering Materials*, v. 378: 207-230.
32. **Park, L.E.**, Siewers, F.M., Metzger, T.M., Sipahioglu, S.M., and Leonard, K., 2008. After the hurricane hits: recovery and response to large storm events in a saline lake, San Salvador Island, Bahamas, *In: L.E. Park and D. Freile (eds.). 13th Symposium on the Geology of the Bahamas and Other Carbonate Regions*. Gerace Research Centre, San Salvador Island, Bahamas: 65-76.
31. **Park, L.E.**, and Trubee, K.J. 2008. Faunal and geochemical variability of ostracode faunas from saline ponds on San Salvador Island, Bahamas. *In: L.E. Park and D. Freile (eds.) 13th Symp. on the Geol. of the Bahamas & Other Carb. Regions*. Gerace Res. Centre, San Salvador Isl., Bahamas: 11-24.
30. Srivatsan, T.S., Vasudevan, S., **Park, L.**, and Lederich, R.J., 2008. The quasi-static deformation and final fracture behavior of aluminum. *Materials Science and Engineering A*, v. 497: 270-277.
29. Kuruville, M., Srivatsan, T.S., Petraroli, M., and **Park, L.**, 2008. An investigation of microstructure, hardness, tensile behaviour of a titanium alloy: role of orientation. *Sadhana*, v. 33: 235-250.
28. **Park, L.E.**, 2007. Geochemical and faunal variability of ostracode faunas from saline ponds on San Salvador Island, Bahamas, an integrated taxonomic and geochemical atlas. *Geological Society of America Abstracts with Programs*, v. 39: p. 26.
27. Srivatsan, T.S., Vasudevan, S., and **Park, L.**, 2007. The tensile deformation and fracture behavior of friction stir welded aluminum alloy 2024. *Materials Science and Engineering A*, v. 466: 235-245.
26. **Park, L.E.**, 2007. Hurricanes and their effect on sedimentation and faunal dynamics in two tropical saline lakes. *GSA Annual Meeting*.
25. Cohen, A.S., Stone, J.R., Beuning, K.R.M., **Park, L.E.**, Reinthal, P.N., Dettman, D., Scholz, C.A., Johnson, T.C., King, J.W., Talbot, M.R., Brown, E.T., Ivory, S.J., 2007. Ecological consequences of Early Late-Pleistocene megadroughts in tropical Africa. *Proceedings of the National Academy of Sciences (PNAS)* 104: 16422-16427. <http://dx.doi.org/10.1073/pnas.0703873104>
24. **Park, L.E.** and Gierlowski-Kordesch, G.H., 2007. Paleozoic lake faunas: establishing aquatic life on land. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 249 (1-2): 160-179.
<http://dx.doi.org/10.1016/j.palaeo.2007.01.008>
23. Hunt, E., **Park, L.E.**, and LaBarbera, M., 2007. A novel crustacean swimming stroke: coordinated four-paddled locomotion in the cypridoidean ostracode *Cypridopsis vidua* (Müller). *The Biological Bulletin*, v. 212: 67-73.
<http://www.biolbull.org/content/212/1/67.abstract?sid=34a0e929-1ca9-4760-8435-57f221d2989b>
22. **Park, L.E.**, and Gierlowski-Kordesch, E.H., 2005. Paleobiology and evolutionary history of Paleozoic lacustrine faunas. *In: B. Lieberman and A. Stigall Road (eds.). Paleobiogeography:*

Tracking the Coevolution of the Earth and its Biota. Paleontological Society Short Course Volume 11: 49-76.

21. Demko, T.M., Nicoll, T.A., Beer, J.J., Hasiotis, S.T., and **Park, L.E.**, 2005. Mesozoic Lakes of the Colorado Plateau. In: J. Pederson and C.M. Dehler (eds.). *Interior Western United States: Geological Society of America Field Guide* 6: 329-356.
20. Barrett, L.R., Matney, T. and **Park, L.E.**, 2004. A cooperative learning interdisciplinary subsurface archaeogeophysical survey and mapping course. *Journal of Geoscience Education*, v. 52: 236-244. <http://nagt-jge.org/>
19. Gierlowski-Kordesch, G.H. and **Park, L.E.**, 2004. Comparing species diversity in the modern and fossil record of lakes. *Journal of Geology*, v. 112: 703-717. <http://www.jstor.org/stable/10.1086/424578>
18. Bauer, A.M., Nicoll, K.A., Matney, T.C., and **Park, L.E.**, 2004. Archaeological site distribution by geomorphic setting in the Southern Lower Cuyahoga River Valley, NE Ohio: initial observations from a GIS database. *Geoarchaeology: An International Journal*, v. 19: 711-729. <http://dx.doi.org/10.1002/gea.20021>
17. **Park, L.E.**, 2003. Tracking environmental change using lake sediments—Volume 4. *Journal of Paleolimnology*, v. 30(4): 474-476.
16. **Park, L.E.**, and Ricketts, R.D., 2003. Evolutionary history of the Ostracoda and the origin of nonmarine faunas. In: L.E. Park and A. Smith (eds.). *Bridging the Gap: Trends in the Ostracode Biological and Geological Sciences*. Paleontological Society Short Course Volume 9: 11-36.
15. Park, L.E., and Smith, A.J., 2003. An introduction to Ostracoda. In: L.E. Park and A. Smith (eds.). *Bridging the Gap: Trends in the Ostracode Biological and Geological Sciences*. Paleontological Society Short Course Volume 9: 9-10
14. Palacios-Fest, M., **Park, L.E.**, Gonzalez-Porta, J., Palacios-Fest, M.R., and Dix, G.R., 2003. Química de conchas de ostrácodos: una alternativa para medir la contaminación por metales de sistemas acuáticos. *Revista Mexicana de Ciencias Geológicas*, v. 20: 139-153. <http://satori.geociencias.unam.mx/home.html>
13. **Park, L.E.**, Cohen, A.S., Martens, K., and Bralek, R., 2003. The impact of taphonomic processes on interpreting paleoecological changes in large lake ecosystems: Ostracodes in Lakes Tanganyika and Malawi. *Journal of Paleolimnology* 30(2): 127-138. <http://dx.doi.org/10.1023/A:1025570032179>
12. **Park, L.E.**, Martens, K., and Cohen, A.S., 2002. Phylogenetic Relationships of *Gomphocythere* (Crustacea: Ostracoda) in Lake Tanganyika, East Africa. *Journal of Crustacean Biology*, v. 22: 15-27. <http://www.thecrustaceansociety.org/jrl-Crustacean-Biology.php>
11. **Park, L.E.** and Martens, K., 2001. Four new species of *Gomphocythere* from Lake Tanganyika, Africa (Crustacea, Ostracoda). *Hydrobiologia*, 450: 127-145. <http://dx.doi.org/10.1023/A:1017528407191>
10. **Park, L.E.** and Smith, A.B., 2001. Beyond phylogeny reconstruction: tree-based analyses in paleontology. *Paleobiology*, v. 27: 187.
9. **Park, L.E.**, and Downing, K.F., 2001. Paleoecology of an exceptionally preserved arthropod fauna from lake deposits of the Miocene Barstow Formation, Southern California, U.S.A. *PALAIOS*, v. 16: 175-184. <http://palaios.geoscienceworld.org/content/16/2/175.full.pdf+html>
8. **Park, L.E.**, Cohen, A.S., and Martens, K., 2000. Ecology and speciation of the ostracod clade, *Gomphocythere* in Lake Tanganyika, East Africa. *Verh. Internat. Verein. Limnol.* v. 27: 1-5. <http://www.speciation.net/Database/Journals/Verhandlungen-des-Internationalen-Verein-Limnologie-;i2275>
7. **Park, L.E.**, and Downing, K.F., 2000. Implications of phylogeny reconstruction for ostracod speciation modes in Lake Tanganyika. *Advances in Ecological Research*, v. 31: 303-330.

<http://www.speciation.net/Database/Journals/Verhandlungen-des-Internationalen-Verein-Limnologie-i2275>

6. Wells, T.M., Cohen, A.S., **Park, L.E.**, Dettman, D.L., and McKee, B.A., 1999. Ostracode stratigraphy and paleoecology from surficial sediments of Lake Tanganyika, Africa. *Journal of Paleolimnology*, v. 22: 259-276. <http://dx.doi.org/10.1023/A:1008046417660>
5. Dix, G.R., Patterson, R.T. and **Park, L.E.**, 1999. Marine saline ponds as sedimentary archives of Late Holocene sea level and climate variation: an example along a carbonate platform-margin, Bahamas. *Palaeogeography, Palaeoclimatology and Palaeoecology*, v. 150: 223-246. [http://dx.doi.org/10.1016/S0031-0182\(98\)00184-9](http://dx.doi.org/10.1016/S0031-0182(98)00184-9)
4. Downing, K.F., Musser, G.G., and **Park, L.E.**, 1998. The first fossil record of small mammals from Sulawesi, Indonesia: The large murid, *Paruromys dominator*, from the Late(?) Pliocene Walanae Formation. In: Y. Tomida, L.J. Flynn and L.L. Jacobs (eds.). *Advances in Vertebrate Paleontology and Geochronology*. National Science Museum Monographs, No. 14, Tokyo, Japan: 105-121.
http://books.google.com/books/about/Advances_in_Vertebrate_Paleontology_and.html?id=aJhQgAACAAJ
3. Downing, K.F., and **Park, L.E.**, 1998. Geochemistry and early diagenesis of mammal-bearing concretions of the Sucker Creek Formation of southeastern Oregon: an example of Tertiary bone-volcanic interactions. *PALAIOS*, v. 13: 12-25. <http://dx.doi.org/10.1043/0883-1351>
2. **Park, L.E.**, 1995. Geochemical and paleoenvironmental analysis of lacustrine arthropod-bearing concretions of the Barstow Formation, southern California. *PALAIOS*. v. 10: 44-57. <http://dx.doi.org/10.2307/3515006>
1. Hannibal, J.T., and **Park, L.E.**, 1992. A guide to selected sources of information on stone used for buildings, monuments, and works of art. *Journal of Geologic Education* v. 40(1): 12-24. <http://nagt-jge.org/>

OTHER PUBLICATIONS (Essays, Field Guides, Non-Research Areas)

5. **Park Boush, L.E.**, Lehnert, K., Myrbo, A.M., Noren, A., Peters, S.E., Singer, B., and Williams, J.W., 2017. What's your delta? EarthRates—a new NSF funded research coordination network for linking scales across the sedimentary crust. *The Sedimentary Record*, v. 15 (4), December, pp. 4-8. DOI: 10.2110/sedred.2017.4
4. **Park, L.E.**, and Calvo, S.E., 2008. A paleontologist's foray into politics. *American Paleontologist*, Fall/Winter.
3. **Park, L.E.**, 2006. It's not about evolution: the debate about Intelligent Design. *PALAIOS*, v. 21(2): 111-113. <https://doi.org/10.2110/palo.2006.S02>
2. **Park, L.E.**, 2006. Intelligent design: a community responds. *American Paleontologist*, Spring: 29-30.
1. Demko, T., Nicoll, K. and **Park, L.E.**, 2003. Field Trip Guide for the Grand Canyon and Mesozoic Lakes of the Colorado Plateau. *3rd International Limnogeology Congress*, Tucson, Arizona, March 29-April 2: 75 p.

AWARDS AND GRANTS

Date	Source	Amount	Title
2019	NSF-EAR/BIO	\$492,099	RCN: Integrating and Translating Conservation Paleobiology (Co-PI)
2018	NSF-EAR 1911574	\$315,761	GP-IMPACT: Creating Pathways for Literacy, Undergraduate Majors and Careers in the Geosciences through Institutional Collaborations

2018	NSF-EAR 1761576	\$352,690	Low Versus High Latitude Continental Climatic Effects of the Central Atlantic Magmatic Province on the End Triassic Extinction Event
2017	NSF-EAR 1659006	\$500,000	RCN EarthRates: Linking Scales Across the Sedimentary Crust
2016	NSF-EAR 1541028	\$82,732	ePANNDA: Enhancing Paleontological and Neontological Data Discovery API Coordinating
2012	NSF-EAR 1206274	\$813,213	Office for Research on the Sedimentary Crust, Deep-Time and the Earth- Life System
2009	NSF-EAR 0851847	\$482,712	REU Site: Field Research on Bahamian Lakes— Exploring Records of Anthropogenic and Climate Change
2009	NSF-EAR	\$8,000	Supplement to REU Site: Field Research on Bahamian Lakes— Exploring Records of Anthropogenic and Climate Change
2009	NSF-EAR 0907871	\$12,964	Lake Faunas Through Time: Tracking Clades onto Continents
2005	ODNR/NOAA	\$10,000	Taxonomic Atlas and Ecological Tolerances of Ostracoda in Old Woman Creek, Ohio
2003	NSF-MRI 0320898	\$350,000	Acquisition of a Quanta 200 Environmental Scanning Electron Microscope and Creation of the Center for Environmental Scanning Electron Microscopy
2002	ACS PRF-B 38378	\$34,774	The Evolution of Lacustrine Ecosystems: Lakes as Unique Crucibles of Evolution
2001	UAKRON FRG 1526	\$3,500	Ostracodes as Paleoenvironmental Proxy Indicators: Characterizing the Variability of Non-Marine Ostracode Faunas on San Salvador Island, Bahamas
2000	NSF-DUE 0088017	\$124,060	Subsurface Archaeological Survey and Mapping Curriculum and Laboratory Improvement
2000	Lake Erie Protection Fund	\$92,000	An Integrated Assessment of the Hydrology, Soils and Vegetation of the Mentor Marsh, Lake County, Ohio
2000	UAKRON	\$2,400	Subsurface Archaeological Surveying
1999	Ohio SeaGrant	\$7,500	Assessing the Effects of Salt Contamination on the Biodiversity of Mentor Marsh
1999	NSF-INT/GP 9911968	\$26,310	Paleoecology and Paleoenvironmental Analysis of the Miocene Red Series, Eritrea
1999	UAKRON	\$18,000	Modernization of Paleontology and Historical Geology Teaching Lab
1999	UAKRON	\$500	Initiative Grants for Overseas Planning-Eritrea
1999	CMNH	\$1,000	Assessing the Biodiversity Changes of a Salt Contaminated Marsh, Mentor, Ohio
1998	UAKRON	\$3,000	General Education Grant, Macintosh G-3 Computer
1998	UAKRON	\$3,164	Species Variations within the Genus <i>Gomphocythere</i> : A Proxy for Ostracods in Lake Tanganyika, East Africa
1997	UAKRON	\$2,810	Taphonomic Analysis of Fossil Small Mammals from the Panaca Formation of Nevada
1995	UAKRON	\$5,000	Late Miocene Mammals and Paleoenvironments

			of the Red Series in Eritrea, East Africa
1995	NSF-GP	\$184,085	High Resolution Paleoecology in a Complex Tropical Ecosystem (Lake Tanganyika, Africa) and the Development of Paleoecology Lake Conservation Biology

INVITED LECTURES AND SYMPOSIA (1996-Present)

2018	March 22	University of Florida
2016	December 9	University of Massachusetts, Amherst
2015	April 31	University of Connecticut, Department of Marine Sciences
2015	April 24, 25	Pennsylvania State University, Keynote Address
2015	April 9	University of Connecticut, Department of Anthropology
2014	April 10	University of Connecticut, Center for Integrative Geosciences
2013	October 24	University of Pittsburgh
	September 5	Kiwanis Club, Bath, Ohio
	June 6	Kiwanis Club, Eleuthera, Bahamas
	April 30	Smith College
	March 15	Vanderbilt University
2011	April 17	Mississippi State University
2010	December 4	Virginia Tech University
2009	December 2	University of Toledo
	November 19	University of Illinois, Chicago
	November 13	Franklin and Marshall College
2008	January 23	Cleveland State University
2007	October 22	University of Colorado, Boulder
	April 12	University of Kansas, Symposia honoring Roger Kaesler
	March 8	West Virginia University
	February 26	Westminster Presbyterian Church, Akron
2005	October 18	PS Short Course-Paleobiogeography
	October 4	Denison University
2004	Sept. 29	Department of Biology, University of Akron
	April 9	Northern Ohio Geological Society
2003	October 9	*Department of Biology, University of Akron
	April 30	*Department of Biology, University of Akron
	April 23	*University of Minnesota, Twin-Cities
	February 27	*University of Minnesota, Duluth
2002	October 18	*Ohio University, Athens, Ohio
	May 3	*University of Cincinnati, Ohio
	April 24	*Department of Biology, University of Akron
	April 18	*Bowling Green State University, Ohio
	April 5	*Parma-South Presbyterian Church
2001	November 9	*Harvard Forest, Petersham, Massachusetts
	October 20	*Northcoast Fossil Club, Parma Ohio
	May 4	*Northeast Ohio Geological Society, Annual Banquet Speaker
	April 13	*University of Akron (Geology Department)
2000	October 12	The College of Wooster, Ohio
1999	December 3	Large Lakes Observatory, University of Minnesota
	May 6	Kent State University, Kent, Ohio
1998	Sept. 25	Ohio University, Athens Ohio

- May 18-22 Penrose Conference, Maryland
- April 23 The Ohio State University
- March 7 Cleveland Fossil Society
- 1997 Sept. 30 Bowling Green State University
- May 24 Eritrean Independence Day Celebration, Chicago
- April 22 University of Akron (Geology Department)
- April 16 University of Akron (Biology Department)
- April 10 Forum on Africa: Truman College, Chicago
- March 15 Forum on Africa
(DePaul Univ. and Truman College, Chicago)
- March 12 Cleveland Geological Society
- February 16 The Kirtlandia Society
- 1996 October 25 University of Akron (Anthropology Club)
- April 25 The College of Wooster
- February 8 University of Toledo

*Talks given as Paleontological Society Distinguished Lecturer.

GEOLOGICAL SOCIETY of AMERICA TOPICAL SESSIONS ORGANIZED

- 2018 Earth-Life Transitions: Critical Information from Deep Time to Manage Future Environmental Change** (GSA Indianapolis)
- 2017 Limnogeology—Progress, Challenges, and Opportunities on Earth and Beyond: A Tribute to Beth Gierlowski-Kordesch** (GSA-Seattle)
- 2016 Geological Effects of Extreme Storm Events on Small Tropical Island Nations** (GSA-Denver)
- 2008 From San Salvador and Beyond: A Tribute to Don and Kathy Gerace and the Development of the Gerace Research Centre**
(GSA-Houston, in conjunction with the Paleontological Society; GSA Sedimentary Geology Division; GSA Hydrogeology Division; Gulf Coast Association of Geological Societies)
Co-Convener: Thomas Rothfus, Gerace Research Centre, San Salvador Island, Bahamas
- 2008 Deep Time Earth Life Observatories (DETELOs): Focusing on Critical Transitions in the History of Life**
(GSA-Houston, in conjunction with the Paleontological Society; Gulf Coast Association of Geological Societies)
Co-Convener: David Bottjer, University of Southern California
- 2003 Bridging the Gap: Ostracodes in the Earth Sciences**
(GSA-Seattle, in conjunction with the Paleontological Society and Limnogeology Division)
Co-Convener: Gene Hunt, University of Chicago, Illinois
- 1999 Beyond Phylogeny Reconstruction: Tree-based Analyses in Paleontology**
(GSA-Denver, in conjunction with the Paleontological Society)
Co-Convener: Andrew Smith, Natural History Museum, London, United Kingdom
Co-Editor: *Paleobiology* Special Issue: Beyond Phylogeny Reconstruction, 2001, v.27.

PALEONTOLOGICAL SOCIETY SHORT COURSES ORGANIZED

- 2018 Pedagogy and Technology in the Modern Paleontology Classroom**
(GSA-Indianapolis, in conjunction with the Paleontological Society)
Co-Conveners: Rowan Lockwood and Phoebe Cohen
Co-Editor: PS Short Course Notes: Pedagogy and Technology in the Modern Paleontology Classroom
- 2003 Bridging the Gap: Trends in the Ostracode Biological and Geological Sciences**

(GSA-Seattle, in conjunction with the Paleontological Society)
Co-Convener: Alison Smith, Kent State University, Kent, OH U.S.A.
Co-Editor: PS Short Course Notes: Bridging the Gap: Trends in the Ostracode Biological and Geological Sciences

WORKSHOPS AND PANEL DISCUSSIONS ORGANIZED-

- 2005 80 Years After Scopes: A Panel Discussion on the Dover Intelligent Design Case
- 2005 Teaching Evolution in the K-12 Science Classroom
- 2002 A Short Course on Ostracoda- 2 day training session for ostracode analysis

FIELD TRIPS ORGANIZED

- 2005 NOGS- Archaeological site distribution by geomorphic setting in the Southern Lower Cuyahoga River Valley, NE Ohio
- 2005 GSA- Mesozoic Lakes of the Colorado Plateau
Co-Leaders: Timothy Demko, University of Minnesota, Duluth; Kathleen Nicoll, Oxford University, United Kingdom; Stephen Hasiotis, University of Kansas
- 2003 International Association of Limnogeology Conference Field Trip, Tucson, Arizona (Mesozoic Lakes of the Colorado Plateau)
Co-Leaders: Timothy Demko, University of Minnesota, Duluth; Kathleen Nicoll, Oxford University, United Kingdom

NSF and OTHER WORKSHOPS

- 2017 EarthRates-All Hands meeting (convener)
- 2017 Conservation Paleobiology
- 2016 ePANDDA workshop
- 2015 C4P EarthCube workshop
- 2014 EarthCube, All Hands Meeting
- 2014 C4P EarthCube workshop
- 2013 EarthCube Geochronology workshop
- 2012 Sino-American Paleontology
- 2012 *Palaeo50*-A Workshop Developing the 50 most compelling questions in palaeoecology, Oxford University, UK
- 2011 Deep Earth-Life Observatory Network (DETELON)
- 2011 EarthCube
- 2010 Deep Earth-Life Observatory Network (DETELON)
- 2006 Developing and Integrating Taxonomic Databases for the 21st Century, NESCENT
- 2006 Future Research Directions in Paleontology, Washington DC
- 1999 Lake Malawi Drilling Project, Malawi

SHORT COURSES AND TRAINING SEMINARS

- 2014 Expert Witness Testimony Academy
- 2005 C²: Critical Thinking for Civic Thinking in the Science Classroom
- 2001 TIMS- Teaching Using Inquiry Methods
- 2000 GIS for the Geoscientist -GSA Sponsored Short Course
- 1998 Penrose Conference on Paleoecology

CD ROMS, VIDEOS

- 1999 PBS Video- Rocks for Ohio Public Schools (writer and on-screen participant)
- 1998 CD-ROM- Biodiversity: The Great Lakes of Africa

1996 Elementary Educational Materials- Twin Sisters Production Company-“I’d Like to Be a Paleontologist”

PROFESSIONAL ORGANIZATIONS

Geological Society of America, Paleontological Society, Society for Sedimentary Geology (SEPM), American Geophysical Union, Palaeontological Association, American Association for the Advancement of Science, Paleontological Research Institute, Sigma Xi, Association of Women Geoscientists, Northern Ohio Geological Society

JOURNAL AND GRANT REVIEWS

Science, Nature, Geology, USGS, PALAIOS, Journal of Paleolimnology, Journal of Paleontology, Journal of Cave and Karst Studies, Paleobiology, Geology of Lakes, Sedimentary Geology, Marine and Freshwater Research, American Chemical Society proposal reviewer, NANODE North American Ostracode Database Reviewer

UNIVERSITY OF AKRON (1995-2014)

Committees and Service to Department

2001-2013 Retention Tenure and Promotion Committee, Geology Department
2000-2001 Chair, Merit Raise Committee
2000-2001 Search Committee, Geology Faculty Position
2000 Search Committee, Visiting Geology Faculty Position
1998-1999 Search Committee, Geophysics Faculty Position
1997-1998 Chair, Search Committee, Visiting Faculty Position
1997-Present Merit Review Committee
1996-Present Curriculum Committee
1996-Present Geology Club Advisor
1995 Departmental Review

Committees Outside Department

2009-2010 Provost Advisory Committee
2008-2009 President Advisory Committee
2007-2009 College of Arts and Sciences, RTP Review Committee
2004-2005 Provost Advisory Committee
2003-2006 Faculty Research Grants Committee
2001-2003 Chair, Classical Studies, Anthropology and Archaeology Advisory Committee
2001-2008 RTP Committee, Classical Studies, Anthropology and Archaeology
2001 Search Committee, Classical Studies, Anthropology and Archaeology
1999-2003 Classical Studies, Anthropology and Archaeology Department Advisory Committee
1999 JASON Project Evaluation Team
1995-1999 IAC- Interdisciplinary Anthropology Committee

Service and Cooperative Learning

2007 Service Learning Program
2005 Muehlstein Academy for Math and Science

Courses Taught (University of Akron)

Global Environmental Change, Environmental Geology, Physical Geology, Historical Geology, Earth Science, Mass Extinctions, The Geology of Ohio, Micropaleontology and Climate Change, Introduction to Paleontology, Advanced Paleontology, Archaeological Geology, Subsurface

Archaeogeophysical Survey and Mapping Course, Macroevolution, Field Camp II (Wyoming-Big Horn Basin and Seminoe Mountains) (taught 5 times), Field Studies: San Salvador Island, Bahamas (taught 4 times), Advanced Field Studies: Life in the Miocene: The Geology, Paleontology and Taphonomy of Calvert Cliffs, Maryland, Advanced Field Studies: Lakes of the Colorado Plateau; Terrestrial Records of Environmental Change

GRADUATE/UNDERGRADUATE STUDENTS

University of Connecticut

Lucas Antoniello	Post-Doc	Current Post Doc
Elena Robakiewicz	PhD	Current student
Dawn Beamer	PhD	Current student-passed qualifying exams 9/2017
James Kerr	PhD	Current student-passed qualifying exams 9/2017
Dana Yakabowskas	BS Honors	Graduated, 2016

University of Akron

Timothy Astrop	PhD 2014	University of Cork, Ireland
Andrew Michelson	PhD 2012	Assistant Professor, SUNY Maritime
Kenton Trubee	MS 2013	EMT Millersburg, Ohio
Gary Motz	MS 2010	PhD University of Cincinnati
Matthew Kemp	MS 2010	Environmental Services, LLC
Mark Dalman	MS 2009	Lecturer, Kent State University
Sarah Sipahioglu	MS 2008	PhD Baylor University
Brian Ingalls	MS 2006	Warren Resources, Inc.
Kenton Trubee	MS 2002	EMT Millersburg, Ohio
Matthew Geschke	MS 2002	Solis Tek, Inc. SoulGro
Bryce Dingman	MS 2000	Barton and Loguidice
Joshua Whipple	MS 1999	New Hampshire Department of Environmental Services

PUBLISHED ABSTRACTS

Park Boush, L.E., 2019. Like a Phoenix rising—how attention to culture created a pathway to reinstating our geoscience department. *GSA Abstracts with Programs*.

Suarez, C., Kohn, M., Suarez, M., Travis Taylor, L., Yamamura, D., Jackson, T., Oberg, D., **Park Boush, L.E.**, Minzoni, R., Titus, A., Tompkins, T., Frucci, M., and Antonietto, L., 2019. Big to small: biogeochemical signals of dinosaurs to ostracods and everything in between. *GSA Abstracts with Programs*.

Park Boush, L.E., Michelson, A.V., and Myrbo, A.M., 2018. Ostracode distribution in lakes in the Bahamas as a response to sea level and climate change. *International Paleontological Congress V*.

Park Boush, L.E., Williams, J., Goring, S., Emile-Geay, J., Fils, D., Grimm, E., Lehnert, K., McKay, N., Myrbo, A., Noren, A., Peters, S., Singer, B., Uhen, M., 2018. Status and Future of Big Data in Paleontology: Roadmap for a Distributed, Sustained Data Synthesis Network for the Paleogeosciences. **Invited Keynote Presentation**. *International Paleontological Congress V*.

Antonietto, L.S., **Park Boush, L.E.**, and Luk, A., 2018. The real 'frail sex': prevalence of carapace aberrance in male *Cyprideis americana* (Crustacea, Ostracoda) due to climate driven salinity fluctuation in Bahamian ponds. *GSA Abstracts with Programs*.

Michelson, A.V., Kidwell, S.M., and **Park Boush, L.E.**, 2018. Tracking pollution and subsequent remediation of lakes using agreement between living communities and death assemblages of ostracodes. *GSA Abstracts with Programs*.

- Park Boush, L.E.**, 2018. Extinction! A game that teaches Earth history that is tied to K-12 learning standards. GSA Abstracts with Programs
- Park Boush, L.E.**, Williams, J.W., Bowen, G., Goring, S., Lehnert, K., Noren, A.J., Peters, S.E., Sessa, J.A., Stigall, A.L., and Uhen, M. 2018. Big Data in paleontology—creating a roadmap for building a data synthesis center for the Paleogeosciences. GSA Abstracts with Programs.
- Sparacio, C.A., Buynevich, I.V., Curran, H.A., Kopcznski, K.A., Vasylenko, K., **Park Boush, L.E.**, 2018. Environmental constraints on the distribution of the blue land crab in the Bahamas: Implications for paleo-shoreline reconstruction. Geological Society of America Northeastern Section Meeting.
- Buynevich, I.V., Sparacio, C.A., Curran, H.A., Kopcznski, K.A., **Park Boush, L.E.**, and Glumac, B., 2018. Hurricane washover sands provide a suitable substrate for registering rare trackways in Bahamian mangroves. Geological Society of America Northeastern Section Meeting.
- Park Boush, L.E.**, Motz, G.J., Astrop, T., and Hren, M.T., 2017. Lake faunas through time—the estuary effect and how life invaded land. GSA Abstracts with Programs.
- Park Boush, L.E.**, Lehnert, K., Myrbo, A.M., Noren, A., Peters, S.E., Singer, B., and Williams, J.W., 2017. Speed Dating! EarthRates RCN: Linking Scales Across the Sedimentary Crust GSA Abstracts with Programs.
- Sparacio, C.A., Buynevich, I.V., Kopcznski, K.A., Curran, H.A., Glumac, B., Vasylenko, K., and **Park Boush, L.E.**, 2017. Burrow morphometry of the blue land crab (*Cardisoma guanhumii*): A field-based neoichnological approach. GSA Abstracts with Programs.
- Buynevich, I.V., Curran, H.A., Kopcznski, K.A., Sparacio, C.A., **Park Boush, L.E.**, Glumac, B., Gnivecki, P.L., and Vasylenko, K. 2017. Avian predation traces and possible anti-predation strategies of the blue land crab in the Bahamas: paleobiological implications. GSA Abstracts with Programs.
- Ivory, S., Barker, P., Cohen, A.S., Kimirei, I., Lane, C.S., Leng, M., McGlue, M.M., Msaky, E., Noren, A., **Park Boush, L.E.**, Russell, J.M., Salzburger, W., and Scholz, C. 2017. Lake Tanganyika drilling: Addressing world-class scientific questions in paleoclimatology, tectonics, and evolutionary ecology in Africa’s oldest lake.
- Park Boush, L.E.**, Myrbo, A., Yakabowskas, D., Berman, M.J., Gnivecki, P., Brown, E., 2017. A 6000 year multi-proxy paleoclimate record from two lakes on Eleuthera, Bahamas. Proceedings from the 2nd Symposium on the Natural History and Geology of the Bahamas. Gerace Research Centre, San Salvador Island. p. 14.
- Buynevich, I.V., Kopcznski, K., Savarese, M., **Park Boush, L.E.**, Curran, H.A., Glumac, B. and Caris, J., 2016. Subsurface signatures of recent storm erosion and recovery along San Salvador Island, The Bahamas. Geological Society of America Annual Meeting and Programs, v. 48.
- Kerr, J., **Park Boush, L.E.**, Yakabowskas, D.M. and Myrbo, A., 2016. Resilience against perturbation: response of molluscan communities to sea level rise in an inland blue hole, Eleuthera, Bahamas. Geological Society of America Annual Meeting and Programs, v. 48.
- Kopcznski, K., Buynevich, I.V., Curran, H.A., **Park Boush, L.E.**, Savarese, M., Glumac, B., and Caris, J., 2016. Rapid-response tracking: neoichnological observations in the wake of Hurricane Joaquin, San Salvador, The Bahamas. Geological Society of America Annual Meeting and Programs, v. 48.
- Lockwood, R., George, C.O., Bentley, C., Berquist, P.J., **Park Boush, L.E.**, Lukes, L.A., Ryker, K., Uhen, M., 2016. Using geoscience databases to provide authentic research opportunities for undergraduates. Geological Society of America Annual Meeting and Programs, v. 48.
- Park Boush, L.E.**, Myrbo, A., Berman, M.J., Gnivecki, P.L., Buynevich, I.V., Kjellmark, E., and Savarese, M., 2016. Tracking hurricane history in the Bahamas—from Joaquin and beyond. Geological Society of America Annual Meeting and Programs, v. 48.
- Savarese, M., Buynevich, I.V., Caris, J., Curran, H.A., Glumac, B., **Park Boush, L.E.**, and Kopcznski, K., 2016. Heterogeneous vulnerability to hurricane Joaquin’s influence along the perimeter of San Salvador Island, Bahamas. Geological Society of America Annual Meeting and Programs, v. 48.

- Shkempi, B., **Park Boush, L.E.**, Curran, H.A., Buynevich, I.V., Gnivecki, P.L., Berman, M.J., and Kocpcznski, K., 2016. What makes the hole?—tool and ornament construction of *Codakia orbicularis* and its role in recycling of the archaeological record by the blue crab *Cardisoma guanhumi*, San Salvador Island, Bahamas. Geological Society of America Annual Meeting and Programs, v. 48.
- Yakabowskas, D.M., **Park Boush, L.E.**, Myrbo, A., and Brown, E., 2016. An oxygen isotope paleoclimate record from Duck Pond Blue Hole and Shad Pond on Eleuthera, Bahamas. Geological Society of America Annual Meeting and Programs, v. 48.
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