

STEPHEN T. HASIOTIS, Ph.D.
Curriculum Vitae
Updated 12/14/17

EDUCATION

University of Colorado, Boulder Geological Science PhD degree granted 5/97
Thesis Advisors Erle G. Kauffman and Mary J. Kraus. Thesis Title: *Redefining
Continental Ichnology and the Scoyenia Ichnofacies*. Defended April 1997

University of Buffalo, NY Geology MS degree granted 2/91
Thesis Advisor Charles E. Mitchell. Thesis Title: *Paleontology, Sedimentology, and
Paleoecology of the Upper Triassic Chinle Formation in the Canyonlands Area,
southeastern Utah*. Defended December 1990

University of Buffalo, NY Geology BS degree granted 5/85
Teacher Education Cert certifi. granted 5/85
- Earth Science
- General Science
- Chemistry

EMPLOYMENT HISTORY

2012–present Courtesy Appointment to the Department of Geography, University of Kansas,
appointed 3/12

2011–present Professor, Department of Geology, University of Kansas, appointed 7/11

2008–present Adjunct Senior Research Fellow (status level B; unpaid position), Department of
Archaeology, Flinders University, Adelaide, Australia, appointed from 12/01/08–
12/01/11

2005–present Curatorial Affiliate, Peabody Museum of Natural History, Yale University, New
Haven, CT. 5-year appointment with the Invertebrate Paleontology Section
(renewed until 2020)

2005–2011 Associate Professor, Department of Geology, University of Kansas, appointed 8/05

2002–2007 Courtesy Appointment to the University of Kansas Natural History Museum and
Center for Biodiversity Research

2001–2005 Assistant Professor, Department of Geology, University of Kansas appointed 8/01

1999–2001 Visiting Assistant Professor, Indiana State University, Department of Geography,
Geology, and Anthropology, Terre Haute, Indiana: Paleontology, Introduction to
Earth Science, Oceanography, Historical Archaeology, Introductory Geology
Laboratory Coordinator

1998–1999 Post-doctoral Fellow, Exxon Production Research Company (now ExxonMobil Upstream Research Company), Houston, TX; Next Generation Sequence Stratigraphy Group

1997–1998 Post-doctoral Student, University of Colorado, Boulder (off campus through Vanderbilt University); Antarctic Triassic burrows

1997 Summer Internship with Exxon Production Research Company, Fluvial/Tidal Group, Houston, TX; Reservoir characterization of sandstones and trap assessment of mudstones in continental environments

KU TEACING RECORD

A. List of Courses Taught

Course Number & Title	Semester/year	#Enrolled
GEOL 729 Ichnology	2017 Fall	5
GEOL 791 IchnoBioGeoSciences	2017 Fall	1
GEOL 891 Paleopedology	2017 Spring	2
GEOL 304 Historical Geology	2017 Spring	36
GEOL 729 Ichnology	2016 Fall	5
GEOL 791 IchnoBioGeoSciences	2016 Fall	5
GEOL 728 Paleopedology	2016 Spring	3
GEOL 791 IchnoBioGeoSciences	2016 Spring	7
GEOL 729 Ichnology	2015 Fall	4
GEOL 791 IchnoBioGeoSciences	2015 Fall	7
GEOL 791 IchnoBioGeoSciences	2014 Fall	11
GEOL 728 Paleopedology	2014 Spring	7
GEOL 791 IchnoBioGeoSciences	2014 Spring	12
GEOL 729 Ichnology	2013 Fall	8
GEOL 791 IchnoBioGeoSciences	2013 Fall	13
GEOL 728 Paleopedology	2012 Spring	6
GEOL 791 IchnoBioGeoSciences	2012 Spring	8
GEOL 304 History of the Earth	2012 Fall	8
GEOL 105 History of the Earth	2012 Fall	124
GEOL 729 Ichnology	2012 Fall	5
GEOL 791 IchnoBioGeoSciences	2012 Fall	6
GEOL 728 Paleopedology	2012 Spring	4
GEOL 791 IchnoBioGeoSciences	2012 Spring	7
GEOL 729 Ichnology	2011 Fall	3
GEOL 791 IchnoBioGeoSciences	2011 Fall	6
GEOL 791 IchnoBioGeoSciences	2011 Spring	9
GEOL 791 IchnoBioGeoSciences	2010 Fall	8
GEOL 729 Ichnology	2010 Fall	6
GEOL 304 History of the Earth	2010 Fall	8

GEOL 105 History of the Earth	2010 Fall	124
GEOL 791 IchnoBioGeoSciences	2010 Spring	7
GEOL 728 Paleopedology	2010 Spring	2
SABBATICAL	2009 Fall	
GEOL 560 Introduction to Field Geology	2009 Summer	24
GEOL 791 IchnoBioGeoSciences	2009 Spring	7
GEOL 521 Paleontology	2009 Spring	45
GEOL 791 IchnoBioGeoSciences	2008 Fall	3
GEOL 729 Ichnology	2008 Fall	12
GEOL 560 Introduction to Field Geology	2008 Summer	24
GEOL 791 IchnoBioGeoSciences	2008 Spring	4
GEOL 521 Paleontology	2008 Spring	34
GEOL 791 IchnoBioGeoSciences	2007 Fall	4
GEOL 729 Paleopedology	2007 Fall	7
GEOL 304 Historical Geology	2007 Fall	5
GEOL 105 History of the Earth	2007 Fall	176
GEOL 560 Introduction to Field Geology	2007 Summer	25
GEOL 521 Paleontology	2007 Spring	22
GEOL 791 IchnoBioGeoSciences	2006 Fall	5
GEOL 729 Ichnology	2006 Fall	4
GEOL 304 Historical Geology	2006 Fall	8
GEOL 105 History of the Earth	2006 Fall	179
GEOL 560 Introduction to Field Geology	2006 Summer	19
GEOL 791 IchnoBioGeoSciences	2006 Spring	5
GEOL 521 Paleontology	2006 Spring	20
GEOL 304 Historical Geology	2005 Fall	8
GEOL 105 History of the Earth	2005 Fall	179
GEOL 560 Introduction to Field Geology	2005 Summer	20
GEOL 921 Ichnology	2005 Spring	8
GEOL 791 IchnoBioGeoSciences	2005 Spring	5
GEOL 304 History of the Earth	2004 Fall	7
GEOL 105 History of the Earth	2004 Fall	157
GEOL 560 Introduction to Field Geology	2004 Summer	26
GEOL 791 IchnoBioGeoSciences	2004 Spring	7
GEOL 721 Paleosols	2004 Spring	5
GEOL 304 History of the Earth	2003 Fall	12
GEOL 105 History of the Earth	2003 Fall	180
GEOL 921 Ichnology Seminar	2003 Spring	3
GEOL 721 Paleosols Seminar	2002 Fall	10
GEOL 304 History of the Earth	2002 Fall	7
GEOL 105 History of the Earth	2002 Fall	153
GEOL 921 Ichnology Seminar	2002 Spring	5
GEOL 304 History of the Earth	2001 Fall	12
GEOL 105 History of the Earth	2001 Fall	153

B. Undergraduate Advising Record

2013 Megan Stahl	School of Education	Undergraduate Research Experience
2011 Darren Dunn	Department of Geology	Special Studies in Geology
2010 Andrew Williams	Industrial Arts & Design	Special Studies in Geology
2010 Jeanette Reynolds	School of Education	Undergraduate Research Experience
2010 Jessica Wiele	Department of Geology	Special Studies in Geology
2008 Joshua Spradlin	School of Education	Independent Study
2008 Emily La Fleur	School of Education	Undergraduate Research Experience
2008 Brett Kessler	School of Education	Undergraduate Research Experience
2008 Tim Hoffman	School of Education	Undergraduate Research Experience
2007 Emily Laut	Department of Geology	Special Studies in Geology
2007 Robert Wallace	School of Education	Undergraduate Research Experience

C. Graduate and Postgraduate Advising Record

Committee Chair: Doctoral

2011 Adam Jackson, in progress
2016 Dolores van der Kolk (co-advise with Kerans at UT Austin BEG), completed
2015 Joshua Schmerge (co-chair with Martin; deceased), completed
2014 Amanda Falk (co-chair with Martin; deceased), completed
2010 Brian Platt, completed
2010 Julie Retrum (co-chair with Gonzalez), completed
2008 Jon Smith, completed
2007 David Burnham, completed
2005 Daniel Hembree, completed

Committee Chair: Masters

2013 Alexa Goers (co-advise with Rankey), in progress
2013 Joshua Hogue, in progress
2011 Derek Raisanen, in progress
2010 Alicia Rosales (co-advise with Gonzales), in progress
2016 Sean Hammersburg, completed
2016 Sean Fischer, completed
2016 Matt Jones, completed
2016 Andrew Connolly, completed
2015 Kim Drager (Co-chair with Dan Hirmas, Geography), completed
2014 Matt Dowden (co-advise with Selden), completed
2011 Wade Jones, completed
2011 Kim Montague (co-advise with Walton), completed
2011 David Riese, completed

2011 Joshua Schmerge, completed
2010 John Counts, completed
2009 Amanda Falk (co-advise with Martin), completed
2010 David LoBue, completed
2008 Kenneth Bader (co-advise with Martin), completed
2005 Debra Jennings, completed
2005 Brian Platt, completed

Other Graduate Committee Service

2015 Carla Harper, PhD EEB, completed
2010 Alan Halfen, PhD Geography, completed
2010 Terri Woodburn, PhD Geography, completed
2010 Goran Miksa, PhD completed; Geology and Mining, University of Zagreb, Croatia
2011 Mark Bowen (PhD Geography)
2010 Marina Suarez (PhD Geology)
2010 Ezra Kulczycki (PhD Geology)
2009 Patty Ryberg (PhD EEB)
2006 Jillian Garvey (PhD; Zoology, La Trobe University, Melbourne, Victoria, Australia)
2005 Omar Torres (PhD EEB)
2004 Katrina Gobetz (PhD EEB)
2010 Michelle Mary, PhD Geology, in progress

2016 Peter Steele, MS Geology, University of Utah, in progress
2014 Natalie Burriss (MS Geology)
2011 Hannah Wassermann (MS Geology)
2008 Jamie Conrad (MS Environmental Sciences, Arkansas State University, Jonesboro)
2007 Derek Kellogg (MS EEB)
2006 Sam Teeters (MS Geology)
2004 Jennifer Castle (MS Geology)
2004 Peter Dillet (MS Geology)
2004 Julie Retrum (MS Geology)
2003 Kristen Myshrall (MS Geology)
2002 Scott W. Heath (MS Geology)

D. Honors and Awards for Teaching

N/A

RESEARCH RECORD

A. Research Publications

Major Publications

170. Chan, M.A., **Hasiotis, S.T.**, Parrish, J.T., 2018 in review. Enigmatic Clastic Pipes in the Jurassic Navajo Sandstone, Moab, Utah: *Sedimentology*, 47 manuscript pages.
169. Fischer, S.A. and **Hasiotis, S.T.**, 2018 in review. Stratigraphic Changes in Ichnopedofaces of the Upper Triassic Chinle Formation, Utah: Implications to Paleohydrology and Paleoclimate. *JSR*, 75 manuscript pages.
[Student research; devised research plan, assisted with research, writing, revisions]
168. Flaig, P.P., **Hasiotis, S.T.**, and Prather, T.J., 2018 in review. The combined effects of river-flood and tidal processes on the stratigraphy, ichnology, and stratal architecture of the Cretaceous (Campanian) Loyd Delta near Rangely, Colorado, U.S.A. *JSR*, 56 manuscript pages.
167. van der Kolk, D.A., Flaig, P.P., and **Hasiotis, S.T.**, 2018 in review. Evolution of a High-Latitude, River-Dominated Delta: The Upper Cretaceous Schrader Bluff Formation, Shivugak Bluffs, Arctic Alaska. *JSR*, 75 manuscript pages.
[PhD student research; contributed to fieldwork, ichnology-paleosol relations, reconstructions, and writing, reviewed text and revisions]
166. Counts, J.W., Amos, K., Dalgarno, C.R., and **Hasiotis, S.T.**, 2017 in review. Lateral Facies Variability Along the Margin of an Outcropping Salt- Withdrawal Minibasin, South Australia. *Journal of Sedimentary Research*, 44 manuscript pages.
165. Eltom, H. **Hasiotis, S.T.**, and Rankey, E.C., 2017 in review. Effect of Bioturbation on Petrophysical Properties of Shelf Carbonates: Geostatistical Modeling Approach, the Ulayyah Member of the Hanifa Formations, Central Saudi Arabia. *SEPM Special Issue on Carbonate Reservoirs*. 40 manuscript pages.
164. Jones, R.H., Flaig, P.P., and **Hasiotis, S.T.**, 2017 in review. Architectural Elements of a Mixed Fluvio-Tidal System at The Marine-Continental Transition: The Anchor Mine Tongue and Upper Sego (Campanian) Along the Rangely Anticline, Colorado. *Journal of Sedimentary Research*, 50 manuscript pages.
163. Jones, M.F., and **Hasiotis, S.T.**, 2018 in press. Terrestrial Behavior and Trackway Morphology of Neotropical Bats in the Families Phyllostomidae and Emballonuridae. *Acta Chiroptera*, 60 manuscript pages.
[MS student research; contributed to idea for the thesis, analysis, and writing, reviewed text and revisions]
162. Hammersburg, S. and **Hasiotis, S.T.**, 2018 in press. Ichnotaxonomic assessment of the middle Cambrian Spence Shale Member of the Langston Formation, Utah. *KU Paleontological Contributions*, 215 manuscript pages.

[Student research; devised research plan, assisted with research, writing, revisions]

161. Miller, R.McG., Lohe, C., Lindenmaier, F., **Hasiotis, S.T.**, Wilkinson, J., and Quinger, M., 2018 in press. Geological and Hydrogeological Investigation of a 400-m core borehole in the Cubango Megafan, northern Namibia. In, Wilkinson, J., (ed.), The Geology and Hydrology of the Cubango Megafan, northern Namibia. The Cambridge University Press, 40 manuscript pages.
160. Eltom, H. Gonzalez, L.G., **Hasiotis, S.T.**, Rankey, E.C., and Cantrell, D. L., 2017 in press. Paleogeographic and Paleo-oceanographic Influences on Carbon Isotope Signatures: Implications for Global and Regional Correlation, Middle-Upper Jurassic of Saudi Arabia. *Sedimentary Geology*, 47 manuscript pages.
159. Dorney, L.J., Parrish, J.T., Chan, M.A., and **Hasiotis, S.T.**, 2017, Petrography and Interpretation of Tufa Mounds and Carbonate Beds in the Jurassic Navajo Sandstone, of Southeastern Utah: *Journal of Sedimentary Research* v. 87, p. 967-985. DOI: [dx.doi.org/10.2110/jsr.2017.56](https://doi.org/10.2110/jsr.2017.56).
158. Eltom, H.A., Rankey, E.C., Cantrell, L.A., **Hasiotis, S.T.**, and Gonzalez, L.A., 2017. Impact of Upwelling on Heterozoan, Biosiliceous and Organic-Rich Deposits: Jurassic (Oxfordian) Hanifa Formation, Saudi Arabia. *Journal of Sedimentary Research*, v. 87, 1–24.
157. Falk, A.R., **Hasiotis, S.T.**, Gong, E., Lim, J-D, and Brewer, E.D. 2017. A New Experimental Setup for Studying Avian Neotechnology And the Effects of Grain Size and Moisture Content on Tracks: Trials Using the Domestic Chicken (*Gallus Gallus*). *PALAIOS*, v. 32, p. 689-707.
156. Flaig, P.P., **Hasiotis, S.T.**, and Fiorillo, A.F., 2017. Dinosaur tracks and trackways in the Upper Cretaceous Prince Creek Formation, North Slope, Alaska: Implications to reconstruction depositional history of fluvial deposits. *Ichnos*, p. 1-13; [10.1080/10420940.2017.1337011](https://doi.org/10.1080/10420940.2017.1337011).
155. Parrish, J.T., **Hasiotis, S.T.**, and Chan, M.A., 2017, Carbonate Deposits in the Lower Jurassic Navajo Sandstone, Southern Utah and Northern Arizona: *Journal of Sedimentary Research* v. 87, p. 740-762. DOI: [dx.doi.org/10.2110/jsr.2017.42](https://doi.org/10.2110/jsr.2017.42).
154. Downen, M.R., Selden, P.A., and **Hasiotis, S.T.**, 2016. Spider leg flexure as an indicator for estimating salinity in lacustrine paleoenvironments. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 445, p. 115–123.
[MS student research; collected material, contributed to idea for the dissertation, ichnology-sedimentology relations, and writing, reviewed text and revisions]
153. Drager, K.I., Hirmas, D.R., and **Hasiotis, S.T.**, 2016. Effects of Ant (*Formica subsericea*)

- Nests on Physical and Hydrological Properties of a Fine-Textured Soil. *Soil Science Society of America Journal*, v. 80, p. 364–375.
 [PhD student research; collected material, contributed to idea for the dissertation, ichnology-sedimentology relations, and writing, reviewed text and revisions]
152. Drager, K.I., **Hasiotis, S.T.**, Hirmas, D.R., and Bents, T.C., 2016. Effects of ant (*Formica subsericea*) nest development on physical and hydrological properties in a coarse-textured soil. *Soil Science*, v. 181, no 3/4, p. 166-174.
 [PhD student research; collected material, contributed to idea for the dissertation, ichnology-sedimentology relations, and writing, reviewed text and revisions]
151. Fiorillo, A.F., McCarthy, P.J., and **Hasiotis, S.T.**, 2016. Crayfish burrows from the latest Cretaceous lower Cantwell Formation (Denali National Park, Alaska): Their morphology and paleoclimatic significance. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 441, part 2, p. 352-359.
150. Flaig, P.P., **Hasiotis, S.T.**, and Jackson, A.M., 2016. An Early Permian, postglacial, river-dominated paleopolar delta: Hyperpycnites and shelf channels at the Mackellar-Fairchild transition, Turnabout Ridge, Central Transantarctic Mountains, Antarctica. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 441, part 2, p. 241-265.
 [Collaborative research research; contributed to fieldwork, ichnology-sedimentology relations, and writing, reviewed text and revisions]
149. **Hasiotis, S.T.**, 2016. Linking Ichnology, Paleopedology, and Sedimentology to Interpret Paleoenvironments and Significant Surfaces in Fluvial Deposits. Gussow Conference, *Clastic Sedimentology: New Ideas and Applications*. Canadian Society of Petroleum Geologists, Banff, Alberta, Canada, 6 p.
148. Jackson, A.M., **Hasiotis, S.T.**, and Flaig, P.P., 2016. Ichnology of a Paleopolar, River-Dominated Shallow Marine Deltaic Succession in the Mackellar Sea: The Mackellar Formation (Lower Permian), Central Transantarctic Mountains, Antarctica. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 441, part 2, p. 266-291.
 [PhD student research; collected material, contributed to idea for the dissertation, ichnology-sedimentology relations, and writing, reviewed text and revisions]
147. Miller, R.McG., Lohe, C., **Hasiotis, S.T.**, Quinger, M., Muyamba, R., Joseph, R., and Nguno, A., 2016. The Kalahari Group in the 400-m deep core borehole WW 203302, Northern Owambo Basin. *Communications of the Geological Survey of Namibia*, v. 17, p. 145-240.
146. van der Kolk, D.A., Flaig, P.P., and **Hasiotis, S.T.**, 2016. Paleoenvironmental reconstruction of a Late Cretaceous, muddy, river-dominated polar deltaic system: Schrader Bluff–Prince Creek Formation Transition, Shivugak Bluffs, North Slope of Alaska, USA. *Journal of Sedimentary Research*, v. 85, p. 903-936.

- [PhD student research; contributed to fieldwork, ichnology-paleosol relations, reconstructions, and writing, reviewed text and revisions]
145. Brake, S.S., Arango, I., **Hasiotis, S.T.**, and Burch, K., 2014. Spatial and temporal distribution and characteristics of eukaryote-dominated microbial biofilms in an acid mine drainage environment: implications for development of iron-rich stromatolites. *Environmental Earth Sciences*, v. 72, no. 8, p. 2779-2796; DOI: 10.1007/s12665-014-3185-x
[MS student research; contributed to idea for the thesis, and writing, reviewed text and revisions]
144. Counts, J.C., and **Hasiotis, S.T.**, 2014. Distribution, paleoenvironmental implications, and sequence stratigraphic significance of trace fossils and paleosols in Lower Permian continental deposits of western Kansas. *Journal of Sedimentary Research*, v. 84, p. 144-167.
[MS student research; contributed to idea for the thesis, ichnology-paleosol relations, and writing, reviewed text and revisions]
143. Dubiel, R.F., Huntoon, J.E., Stanesco, J.D., and **Hasiotis, S.T.**, 2014. Depositional Setting of the Hoskinnini Member of the Triassic Formation, southeastern Utah. In MacLean, J.S., Biek, R.F., and Huntoon, J.E. (eds.), *Geology of Utah's Far South*. Utah Geological Association Publication 43, p. 295-310.
[Contributed to fieldwork, data collection, the writing, and revisions]
142. Falk, A.R., Lim, J-D, and **Hasiotis, S.T.**, 2014. A Behavioral Analysis of Fossil Bird Tracks from the Haman Formation (Republic of Korea) Shows a Nearly Modern Avian Ecosystem. *Vertebrata Palasiatica*, v. 52(1), p. 129–152.
[PHD student research; contributed to interpretations and discussions, writing and revisions, reorganization]
141. Fiorillo, A.F., Fanti, F, Hults, C., and **Hasiotis, S.T.**, 2014. New ichnological, paleobotanical and detrital zircon data from an unnamed rock unit in Yukon-Charley Rivers National Preserve (Cretaceous: Alaska): Stratigraphic implications for the region. *PALAIOS*, 35 manuscript pages.
[Joint research project with colleagues, discovered specimens in field]
140. Fiorillo, **Hasiotis, S.T.**, and Kobayashi, Y., 2014. Herd structure in Late Cretaceous polar dinosaurs: A remarkable new dinosaur tracksite, Denali National Park, Alaska, USA. *GEOLOGY*, published online on 30 June, doi:10.1130/G35740.1.
[Joint research project with colleagues, discovered specimens in field]
139. Platt, B. F., and **Hasiotis, S.T.**, 2014. Novel Neoichnology of Elephants: Nonlocomotive Interactions with Sediment, Locomotion Traces in Partially Snow-Covered Sediment, and Implications for Proboscidean Paleoichnology. D.I. Hembree et al. (eds.), *Experimental*

- Approaches to Understanding 1 Fossil Organisms, Topic in Geobiology 41, DOI 10.1007/978--94--017--8721--5_15.
[PhD Student research; helped devise research plan, shared writing, revisions]
138. Woody, D.T., Smith, J.J., Kraus, M.J., and **Hasiotis, S.T.**, 2014. Manganese-Bearing Rhizcretions In The Willwood Formation, Wyoming, U.S.A.: Implications For Paleoclimate During The Paleocene–Eocene Thermal Maximum. *PALAIOS*, v. 29, no. 6, p. 266-276.
[Phd Student Research; Helped Devise Research Plan, Shared Writing, Revisions]
137. Ash, S.R., **Hasiotis, S.T.**, 2013. New occurrences of the controversial Late Triassic plant fossil *Sanmaiguelia* Brown and associated ichnofossils in the Chinle Formation of Arizona and Utah, USA. *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen*, v. 268(1), p. 65-82.
[Discovered samples, shared research; collected specimens, shared writing, revisions]
136. Chakraborty, A., **Hasiotis, S.T.**, Ghosh, B., and Bhattacharya, H.N., 2013, Fluvial Trace Fossils in the Middle Siwalik (Sarmatian-Pontian) of Darjeeling Himalayas, India. *Journal of Earth System Science*, v. 122(4). P. 1023-1033.
[Invited to assist research; examined specimens, assisted with writing, revisions]
135. Das Gupta, S., Fang, J., Brake, S.S., and **Hasiotis, S.T.**, 2013. Stable carbon isotopic composition of lipids in *Euglena*-dominated biofilms from an acid mine drainage site: implications of carbon limitation, microbial physiology, and biosynthetic pathways: *Chemical Geology* v. 354, p. 15-21.
[Student research; helped devise research plan, shared writing, revisions]
134. Giles, J.M., Soreghan, M.J., Benison, K.C., Soreghan, G.S., and **Hasiotis, S.T.**, 2013, Lakes, Loess, and Paleosols in the Permian Wellington Formation of Oklahoma: Implications for Paleoclimate and Paleogeography of the Midcontinent. *Journal of Sedimentary Research*, v. 83, p. 825-846.
[Invited to assist with research; assisted with revisions to interpretations, implications of research]
133. **Hasiotis, S. T.**, McPherson, J., and Reilly, M., 2013. Using Ichnofossils to Reconstruct the Depositional History of Sedimentary Successions in Alluvial, Coastal Plain, and Deltaic Settings. 2013 International Petroleum Technical Conference Proceedings, Beijing, China, p. 1-48.
[Shared research program; did the majority of writing, revisions]
132. Schmerge, J.D., Riese, D.J., and **Hasiotis, S.T.**, 2013. Vinegaroon (Arachnida: Thelyphonida: Thalyphonidae) trackway production and morphology: Implications for media and moisture control on trackway morphology and a proposal for a novel system of interpreting arthropod trace fossils. *PALAIOS*, v. 28, p. 116-128.

- [Student research; contributed to ichnology-paleosol relations and writing, reviewed text and revisions]
131. Ainsworth, R.B., **Hasiotis, S. T.**, Amos, K.J., Vakerelov, B.K., Krapf, C.B.E., and Sandstrom, M., 2012. Tidal deposits in an intercratonic lake. *Geology*, v. 40(7), p. 607-610.
[Shared research program; shared writing, revisions]
130. Brake, S. S., and **Hasiotis, S. T.**, 2012. Potential Metal Attenuation by Eukaryotic-Dominated Communities in Acid Mine Drainage at the Green Valley Coal Mine Site, Indiana. In, Comer, J. (ed.), *Effects of Abandoned Mine Land Reclamation on Ground and Surface Water Quality in Indiana*, Indiana Geological Survey Special Report 72, Bloomington, Indiana, p. 285-300.
[Shared research program; shared writing, revisions]
129. Das Gupta, S., Fang, J., Brake, S. S., **Hasiotis, S. T.**, and Zhang, L. 2012. Biosynthesis of Sterols and Wax Esters by *Euglena* of Acid Mine Drainage Biofilms: Implications for Eukaryotic Evolution and the Early Earth. *Chemical Geology*, v. 306-307, p. 139-145.
[Student dissertation project from shared research program; shared writing, revisions]
128. Dubois, M., Goldstein, R. H., and **Hasiotis, S. T.**, 2012. Climate controls on siliciclastic sedimentation in an aggradational landscape in marine-continental (carbonate-siliciclastic) Wolfcampian cyclothems. *Sedimentology*, v. 59, p. 1782-1816.
[Student research; contributed to ichnology-paleosol relations and writing, reviewed text and revisions]
127. **Hasiotis, S. T.**, 2012. An Overview of the Diversity and Patterns in Bioturbation preserved in Cambro-Ordovician Carbonate and Siliciclastic Deposits of Laurentia. In, Derby, J., Fritz, S. A. Longacre, W. A. Morgan, and C. A. Sternbach, eds., *The Great American Carbonate Bank*. AAPG Memoir 89, p. 113-125.
126. **Hasiotis, S. T.**, and Platt, B.F., 2012. Exploring the sedimentary, pedogenic, and hydrologic factors that control the occurrence and role of bioturbation in soil formation and horizonation in continental deposits: An integrative approach. *The Sedimentary Record*, v. 10(3), p. 4-9.
[My research program; principal author of this synthesis with input from former student]
125. **Hasiotis, S. T.**, Reilly, M., Amos, K, Lang, S., Kennedy, D., Todd, J., Michel, E., and Platt, B.F. 2012. Actualistic studies of the spatial and temporal distribution of terrestrial and aquatic traces in continental environments to differentiate lacustrine from fluvial, eolian, and marine environments. In, Berganz, O.W., Bartov, Y., Bohacs, K., and Nummedal, D., eds., *Lacustrine Sandstone Reservoirs and Hydrocarbon Systems*. AAPG Memoir 95, p. 433-489.
[Shared research program; principal author of this synthesis]

124. Hirmas, R., Platt, B. F., and **Hasiotis, S.T.**, 2012. Determination of calcite and dolomite content in soils and paleosols by continuous coulometric titration. *Soil Science Society of America Journal*, v. 76, p. 1100-1106 . DOI: 10.2110/JSR.2010.059.
[Spin-off of student research; my research area, helped collect samples, shared writing, revisions]
123. Platt, B. F., **Hasiotis, S.T.**, and Hirmas, R., 2012. Empirical determination of physical controls on megafaunal footprint formation through neoichnological experiments with elephants. *PALAIOS*, v. 27, p. 725-737.
[Student research; helped devise research plan, shared writing, revisions]
122. Dubiel, R.F., and **Hasiotis, S.T.**, 2011, Deposystems, paleosols, and climatic variability in a continental system: the Upper Triassic Chinle Formation, Colorado Plateau, U.S.A. In, Davidson, S., and North, C. eds., *From River to Rock Record: The Preservation of Fluvial Sediments and their Subsequent Interpretation*. SEPM Special Publication No. 97, p. 393-421.
[Shared research program; paleosols and ichnology and facies analysis my portion]
121. Fairchild, J.M., and **Hasiotis, S. T.**, 2011. Terrestrial and aquatic neoichnological laboratory experiments with the freshwater crayfish *Orconectes*: trackways on media of varying grain size, moisture, and inclination. *PALAIOS*, v. 26, p. 790-804. DOI: 10.2110/palo.2011.p11-066r.
120. Falk, A., Martin, L.D., and **Hasiotis, S. T.**, 2011. A morphologic criterion for distinguishing bird tracks. *Journal of Ornithology*, v. 152, p. 701–716. DOI 10.1007/s10336-011-0645-x.
[Shared research program; help design and guide research and write manuscript]
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[Shared research program; discovered some of the material; shared writing]
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[Help devise research plan, assisted with lab work, writing, revisions]
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[Devised the research plan, assisted with fieldwork, research, writing, revisions]

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[Assisted with fieldwork, interpreted ichnofossil significance, writing, revisions]

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[Shared research program; shared writing, revisions]
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[Student research; helped to collect data, review the text and figures]
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[Student research; helped formulate the research plan, shared writing, revisions]
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[Principal author of this synthesis]
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[Student research; helped devise research plan, shared writing, revisions]
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- [Student research; helped devise research plan, shared writing, revisions]
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[Student research; helped devise research plan, shared writing, revisions]
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[Shared research program; discovered the specimen, shared writing, revisions]
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[Student research; NSF-funded research plan, shared writing, revisions]
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[Student research; helped collect materials, shared some writing]
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[Student research; helped devise research plan, helped collect data; shared writing, revisions]
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[Shared research program; shared writing, revisions]

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[Student research; helped devise research, shared writing, revisions]

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[Student research; helped devise research plan, shared writing, revisions]

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[Student research; NSF-funded research plan, devised research, shared writing, revisions]

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[Student research; NSF-funded research plan, helped devise research, shared writing, revisions]

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[Student research; NSF-funded research plan, helped devise research, shared writing, revisions]

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[Student research; NSF-funded research plan, shared writing, revisions]

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[Shared research program; discovered many materials, shared writing, revisions]

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[Student research; helped to collect data, review the text and figures]

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[Shared research program; helped devise research, shared writing, revisions]

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[Principal author of this synthesis; shared research program]

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[Principal author of this synthesis and research]

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[Principal author of this synthesis and research]

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[Student research; helped devise research plan, helped collect data; shared writing, revisions]

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[Student research; devised research plan, helped collect data; shared writing, revisions]
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[Shared research program; helped devise research, shared writing, revisions]
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[Shared research program; helped devise research, shared writing, revisions]
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[Shared research program; contributed ichnology material, shared writing, revisions]
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[Principal author of this synthesis and research]
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[Student research; helped devise research plan, shared writing, revisions]
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[Student research; helped devise research plan, shared writing, revisions]

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[Student research; helped devise research plan and collect data, shared writing, revisions]
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[Shared NSF-funded research program; shared research, writing, revisions]
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[Student research; helped devise research plan, discovered the material, shared writing, revisions]
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[Student research; helped revise the research, shared writing, revisions]
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[Shared NSF-funded research program; shared research, writing, revisions]
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[Student research; collected the material, minor writing, revisions]
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[Student research; helped formulate the paper, shared writing, revisions]
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[Student research; helped formulate research plan; shared research, writing, revisions]

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[Shared writing, revisions]
16. **Hasiotis, S. T.** and Taylor, E.T., 2010. PALAIOS celebrates its 25th Anniversary. *PALAIOS*, v. 25, p. 1-2.
[Coeditors of *PALAIOS*; shared writing, revisions]
15. **Hasiotis, S. T.** 2009. Book Review: Trace Fossil Analysis, by Adolf Seilacher, 2007, Springer, Heidelberg, xiii + 226 pp., ISBN 978-3-540-47225-4, 2007, \$69.95. *EOS*, 2 p.
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[Helped gather information, shared writing, revisions]
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[Shared Research Program; primary author of this synthesis]
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[Coeditors of *PALAIOS*; shared writing, revisions]
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6. **Hasiotis, S. T.**, 2004. Continental Trace Fossil Summary Sheet. SEPM Publications, Tulsa, OK, 2 p.
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Works in Preparation

12. Counts, J.W., and **Hasiotis, S. T.**, in preparation. Ichnotaxonomy of meniscate backfilled burrows in immature to mature alluvial paleosols, Lower Permian Council Grove Group, western Kansas. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 39 manuscript pages.
[Student research; helped devise research plan, shared writing, revisions]
11. Bader, K. S., and **Hasiotis, S. T.**, in preparation. Insect borings in dinosaur bones from fluvial deposits in the Upper Jurassic Morrison Formation of northeastern Wyoming. *Journal of Paleontology*, 49 manuscript pages.
[Student research; helped devise research plan, shared writing, revisions]
10. **Hasiotis, S. T.** in preparation. Late Triassic crayfish and associated benthic fauna from lacustrine facies of the Chatam Group (Newark Supergroup), Durham Basin, North Carolina. *Postilla*, 38 manuscript pages.
9. **Hasiotis, S.T.**, and Brake, S., in preparation. Microfabrics of Macrolaminates Produced By Eukaryote-Dominated Biofilms: Implications For Evidence of Life on Extraterrestrial Planetary Bodies. 57 manuscript pages.
8. **Hasiotis, S.T.**, and Mitchell, C. M., in preparation. Earliest known crayfish fossils (Decapoda: Cambaridae?) from the Upper Triassic Chinle Formation, southeastern Utah, U.S.A.. To be submitted to the *Journal of Paleontology*.
[Shared research; devised research plan, shared writing, revisions]
7. **Hasiotis, S. T.**, Dubiel, R. F., and Franczyk, K. J. in preparation. Lacustrine ichnofossils from the Late Eocene Uinta Formation, Uinta Basin, northeastern Utah. *Palaeogeography, Palaeoclimatology, Paleocology*, 30 p.
[Shared research; devised research plan, shared writing, revisions]
6. **Hasiotis, S. T.**, Lieberman, B. S., Dilliard, K. A., and Pope, M. C., in preparation. Earliest trace-fossil evidence for the transition of animal life to land. *PALAIOS*, 16 manuscript pages.
[Shared research; discovered locality, devised concept, shared writing, revisions]
5. Platt, B. F., **Hasiotis, S. T.**, Kvale, E., and Kraus, M. J. in preparation. Integrating ichnofossils, paleosols, and sedimentary facies to interpret avulsion in floodplain deposits in the Upper Jurassic Morrison Formation, Big Horn Basin, Wyoming. *Journal of Sedimentary Research*, 70 manuscript pages.
[Student research; helped devise research plan, shared writing, revisions]
4. Falk, A., **Hasiotis, S. T.**, and Martin, L.D., in preparation. A behavioral analysis of bird tracks from the Lower Cretaceous Lakota Formation, South Dakota, U.S.A. *PALAIOS*, 29 manuscript pages.
[Student research; help devise research plan, shared writing, revisions]

3. Jones, W.J., and **Hasiotis, S.T.**, in preparation. Lungfish burrows of the Upper Devonian Catskill Formation, north-central Pennsylvania, USA: morphological distinction and evolutionary implications. *Palaeontology*, 46 manuscript pages.
[Student research; devised research plan, shared writing, revisions]
2. Riese, D.J., and **Hasiotis, S.T.**, in preparation. *Labyrinthopolis odieri* and *Schemalitos psalihyponomes* (New ichnogenera and ichnospecies): vertebrate burrows in the Lower Jurassic Navajo Sandstone. *Journal of Paleontology*, 46 manuscript pages.
[Student research; devised research plan, shared writing, revisions]
1. Lobue, D.J., and **Hasiotis, S.T.**, in preparation. Ichnotaxonomic assessment of Mazon Creek area trace fossils, Illinois, USA. *KU Paleontological Contributions*, 115 manuscript pages.
[Student research; devised research plan, assisted with research, writing, revisions]

B. Scholarly Presentations

Major Presentations

350. **Hasiotis, S.T.**, 2018 in review. Assessment of Continental Trace Fossils in the Frasnian–Famennian Catskill Formation, North-Central Pennsylvania: Initiation of Devonian Ecosystem Engineering By Soil Biotas. Northeast Section Geological Society of America Meeting, Vermont, 1 p.
349. **Hasiotis, S.T.**, 2018 in review. Soil Organisms as Ecosystem Engineers of the Critical Zone—The Forgotten Middle Man. Northeast Section Geological Society of America Meeting, Vermont, 1 p.
348. Chan, M.A., Parrish, J., **Hasiotis, S.T.**, 2018. Soft-Sediment Deformation Features and Their Influence on Fluid Flow and Reservoir Characteristics: Jurassic Navajo Sandstone, Southeast Utah: to be presented at AAPG annual meeting, Salt Lake City, UT.
347. **Hasiotis, S.T.**, Reilly, M., McPherson, J., and Lang, S. 2018. Distribution and Relationships of Traces, Sedimentary Facies, and Physicochemical Conditions in Lake Eyre (Australia) and Lake Tanganyika (East Africa), and Their Comparison to Marine Systems: Implications for Ichnofacies, Paleoenvironmental, and Sequence Stratigraphic Analysis. AAPG Annual Meeting, Salt Lake City, UT.
346. Murphy, A.V., Flaig, P.P., and **Hasiotis, S.T.**, 2018. Estuarine Deposits of the Neslen Formation Near Harley Dome, Book Cliffs, Utah: An Outcrop Analogue for Heterolithic, Tidally Modified Estuarine Channels and Tidal Flats. AAPG Annual Meeting, Salt Lake City, UT.

345. Parrish, J.T., Chan, M.A., and **Hasiotis, S.T.**, 2018. Carbonate baffles in the Jurassic Navajo Sandstone: Influence on fluid flow: to be presented at AAPG annual meeting, Salt Lake City, UT.
344. Brake, S., **Hasiotis, S.T.**, and Magnin, B.P., 2017. Microfabrics Of Macrofabrics Of Biolaminates Produced By Eukaryote-Dominated Biofilms From An Acid Mine Drainage System: Implications For Evidence Of Life On Extraterrestrial Planetary Bodies. GSA National Meeting, Seattle, WA, 22-25 October, v. 49, no. 6, 1 p.; 10.1130/abs/2017AM-302438.
343. Buynevich, I., **Hasiotis, S.T.**, Wiest, L.A., and Flaig, P.P., 2017. Vanished With A Trace: Ichnological Applications To Extinction-Recovery Research. GSA National Meeting, Seattle, WA, 22-25 October, v. 49, no. 6, 1 p.; 10.1130/abs/2017AM-302133.
342. Chan, M.A., **Hasiotis, S.T.**, Parrish, J.T., 2017. Desert and groundwater dynamics of the Jurassic Navajo Sandstone, southeast Utah, AGU Annual Meeting, New Orleans LA. EP33A-1907.
341. Eltom, H., Rankey, E.C., **Hasiotis, S.T.**, Gonzalez, L.A., and Cantrell, D., 2017. Heterozoan, Biosiliceous and Organic-Rich Deposits of Jurassic (Oxfordian) Hanifa Formation, Saudi Arabia. AAPG Annual Meeting, Houston, TX, April 2-5, abstract #2613130.
340. Fischer, S.J. and, **Hasiotis, S.T.**, 2017. Stratigraphic Changes in Ichnopedofacies of the Upper Triassic Chinle Formation, Northeast Chinle Basin, Southeastern Utah: Implications for Depositional Controls, Valley Formation, and Paleoclimate. AAPG Annual Meeting, Houston, TX, April 2-5, abstract #2610884.
339. Flaig, P.P., van der Kolk, D.A., **Hasiotis, S.T.**, and McCarthy, P.R., 2017. Controls on the Evolution of Late Cretaceous to Paleocene Coastal to Deltaic Systems of the Prince Creek and Schrader Bluff Formations, North Slope of Alaska. AAPG Annual Meeting, Houston, TX, April 2-5, abstract #2611185.
338. **Hasiotis, S.T.**, Parrish, J.T., and Chan, M.A., 2017. Root Trace Preservation And Distribution In The Lower Jurassic Navajo Sandstone, Southeastern Utah Area: Implications For Navajo Hydrology, Ecology, And Climate. GSA National Meeting, Seattle, WA, 22-25 October, v. 49, no. 6, 1 p.; 10.1130/abs/2017AM-308291.
337. **Hasiotis, S.T.**, and Fischer, S.A., 2017. Ichnopedofacies of the Upper Triassic Chinle Formation, southeastern Utah: Implications for Pedogenesis, Sediment Accumulation Rate, Valley Formation, and Paleoclimate: In Bordy, E. (ed.), 2nd International Conference of Continental Ichnology Abstract Book, Nuy Valley, Western Cape, South Africa, p. 34–35.

336. **Hasiotis, S.T.**, and Flaig, P.P., 2017. Vertebrate Burrows of the Lower Triassic Fremouw Formation, Beardmore and Shackleton Glaciers, Central Transantarctic Mountains, Antarctica: Comparisons to Other Gondwanan and Laurentian Examples: In Bordy, E. (ed.), 2nd International Conference of Continental Ichnology Abstract Book, Nuy Valley, Western Cape, South Africa, p. 35–36.
335. **Hasiotis, S.T.**, Parrish, J., and Chan, M.A., 2017. Understanding the Distribution of Ichnofossils and Eolian Bounding Surfaces in the Lower Jurassic Navajo Sandstone, Moab area, Utah: Implications for Landscape Stability: In Bordy, E. (ed.), 2nd International Conference of Continental Ichnology Abstract Book, Nuy Valley, Western Cape, South Africa, p. 37–38.
334. Magnin, B.P., Meszaros, N., Brake, S., and **Hasiotis, S.T.**, 2017. Repeated Exposure Of A Eukaryotic Microorganism To Short Wave, UV-C Radiation—Implication For Life On Early Earth And Extraterrestrial Planetary Bodies. GSA National Meeting, Seattle, WA, 22-25 October, v. 49, no. 6, 1 p.; 10.1130/abs/2017AM-302418.
333. Murphy, A.V., Flaig, P.P., and **Hasiotis, S.T.**, 2017. Paleoenvironmental Reconstruction and Geocellular Model of a Heterogeneous Reservoir Analogue: The Segó-Neslen Formation Transition Near Harley Dome, Book Cliffs, Utah. AAPG Annual Meeting, Houston, TX, April 2-5, abstract #2612569
332. Parrish, J.T., **Hasiotis, S.T.**, and Chan, M.A., 2017. Interdune Lakes of the Jurassic Navajo Sandstone, Utah, USA. GSA National Meeting, Seattle, WA, 22-25 October, v. 49, no. 6, 1 p.; 10.1130/abs/2017AM-298299.
331. Parrish, J.T., Hyland, E.G., Chan, M.A., **Hasiotis, S.T.**, and Dorney, L.J., 2017. Construction of a spring-lake system in the Jurassic Navajo Sandstone, Utah—evidence from stable isotopes of oxygen and carbon. GSA National Meeting, Seattle, WA, 22-25 October, v. 49, no. 6, 1 p.; 10.1130/abs/2017AM-304433.
330. Wroblewski, A. F-J., and **Hasiotis, S.T.**, 2017. Salinity Gradients and Catastrophic Freshwater Stress on Incipient Estuarine Ichnofossil Assemblages—Trinity Bay Head Delta: A Key to Defining Modern and Ancient Brackish Water Ichnofacies. AAPG Annual Meeting, Houston, TX, April 2-5, abstract #2611200.
329. Chan, M.A., **Hasiotis, S.T.**, and Parrish, J.T., 2016. Dynamic Erg Margin Environments Of The Jurassic Navajo Sandstone, Southeast Utah. GSA National Meeting, Denver, CO, September 23-26, v. 48, no. 7, 1 P.; 10.1130/abs/2016AM-281134.
328. Eltom, H., Gonzalez, L.A., Rankey, E.C., **Hasiotis, S.T.**, and Cantrell, D., 2016. Integration Of High-Resolution Sequence Stratigraphy And Ichnology Of Jurassic (Oxfordian) Hanifa Formation, Central Saudi Arabia: Outcrop Study For Reservoir Quality Prediction. GSA National Meeting, Denver, CO, September 23-26, v. 48, no. 7, 1 p.;

10.1130/Abs/2016am-286472.

327. Eltom, H., Gonzalez, L.A., Rankey, E.C., **Hasiotis, S.T.**, and Cantrell, D., 2016. Middle–Upper Jurassic (Upper Callovian To Lower Kimmeridgian) Carbon Isotope Chemostratigraphy From Central Saudi Arabia. GSA National Meeting, Denver, CO, September 23-26, v. 48, no. 7, 1 p.; 10.1130/Abs/2016am-285627.
326. Flaig, P.P., and **Hasiotis, S.T.**, Jackson, A.M., and van der Kolk, D.A., 2016. Integrating Sedimentology and Ichnology in the Beacon Supergroup, Central Transantarctic Mountains, Antarctica to Clarify Paleoenvironmental Interpretations and Refine Basin Analysis. AAPG-ACE, Calgary, Alberta, Canada, June 19-22. AAPG Datapages/Search and Discovery Article #90259.
325. Flaig, P.P., **Hasiotis, S.T.**, van der Kolk, D.A., Prather, T., Jones, R.H., Ambrose, W.A., and Louks, R., 2016. Combining Sedimentology And Ichnology To Refine Paleoenvironmental Interpretations In Fluvial-Deltaic- Shallow-Marine Clastic Systems. GSA National Meeting, Denver, CO, September 23-26, v. 48, no. 7, 1 P.; 10.1130/Abs/2016am-282526.
324. Flaig, P.P., van der Kolk, D.A., **Hasiotis, S.T.**, Prather, T., Jones, R.H., Ambrose, W.A., and Louks, R., 2016. Characteristics And Controls On High Latitude Sedimentation In The Cretaceous Of Alaska And The Permian Of Antarctica. GSA National Meeting, Denver, CO, September 23-26, v. 48, no. 7, 1 P.; 10.1130/Abs/2016am-287580.
323. **Hasiotis, S.T.**, Parrish, J.T., and Chan, M.A., 2016. Paleocology Of The Lower Jurassic Navajo Erg Margin—Micro- To Macroscopic Biotic Evidence For Understanding Surfaces, Hydrology, And Relative Time In An Eolian Landscape. GSA National Meeting, Denver, CO, September 23-26, v. 48, no. 7, 1 P.; 10.1130/Abs/2016am-287476.
322. **Hasiotis, S.T.**, Parrish, J.T., and Chan, M.A., 2016. Ichnofossils of a Wet Desert Depositional System, Lower Jurassic Navajo Sandstone, Southeastern, Utah. AAPG-ACE, Calgary, Alberta, Canada, June 19-22. AAPG Datapages/Search and Discovery Article #90259.
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[lead researcher]
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[lead researcher]
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[lead researcher; collaborative research]
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290. **Hasiotis, S.T.**, and Rankey, G., 2014, Ichnofacies and Ichnoporosity-Ichnopermeability in Carbonate Strata: Comparison of Recent, Holocene, and Pleistocene Successions of Crooked-Acklins Platform, Bahamas. America Association of Petroleum Geologists National Meeting, Houston, TX, April 6-9, 1 p.
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288. **Hasiotis, S.T.**, Gingras, M, Halfen, A., Jackson, A., Flaig, P., and van der Kolk, D., 2014. Latitudinal Controls and Caveats on the Distribution of Trace Fossils and their Resultant Textures in Continental and Marine Depositional Systems. AAPG/SEPM HEDBERG RESEARCH CONFERENCE *Latitudinal Controls on Stratigraphic Models and Sedimentary Concepts*, September 28 – October 1, 2014, Banff, Alberta, Canada, 4 p.
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285. Connolly, A.M., Golab, J.A., Wolfe, B.A., Wildermuth, S., Hammersburg, S.R., Dzenowski, N., Schmerge, J., Falk, A.R., and **Hasiotis, S.T.**, 2013, From *Abelichnus* to *Zoophycos*: An online catalogue of ichnotaxa. Geological Society of America National Meeting, Denver, CO, October 27-30, v. 45(7), p. 325.
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263. Jackson, A. M., **Hasiotis, S.T.**, Flaig, P.P., and Isbell, J.L., 2013. Ichnology and Sedimentology of the Lower Permian Mackellar Formation at Turnabout Ridge and Buckley Island, Beardmore Glacier, Central Transantarctic Mountains (CTAM), Antarctica: A Shallow Deltaic Marine Environment. Poster accepted for presentation at AAPG National Meeting, Pittsburg, PA. AAPG Search and Discovery Article #90163.
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Antarctica: Implications for Pangean Ichnodiversity and Paleogeography, Oral presentation, 34th International Geological Congress, Brisbane, Australia

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[lead researcher]
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254. Raisanen, D.C.W., and **Hasiotis, S.T.**, 2012. Preliminary Report on Morphological Analysis of Possible Mammal Burrows in the Salt Wash Member of the Upper Jurassic Morrison Formation, Southeastern Utah. Annual Meeting Geological Society of America, Charlotte, North Carolina, USA.
253. Wildermuth, S.C., and **Hasiotis, S.T.**, 2012. A diverse high-latitude ichnofauna from the Permian Pagoda and Mackellar formations (Beacon Supergroup), Shackleton Glacier area, Central Transantarctic Mountains, Antarctica. Annual Meeting Geological Society of America, Charlotte, North Carolina, USA.
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251. Fang, J., Das Gupta, S., Brake, S.S., **Hasiotis, S.T.**, and Zhang, L., 2011, Biosynthesis of sterols and wax esters by *Euglena* of acid mine drainage biofilms: Implications for eukaryotic evolution and the early Earth: Goldschmidt Conference, August 14-19, 2011, Prague, Czech Republic.
[part of lead researcher with Fang and Brake]
250. Flaig, P.P., Isbell, J.L., and **Hasiotis, S.T.**, 2011. Tectonically driven facies and architectural change across the Permian-Triassic boundary: Beardmore Glacier region, Central Transantarctic Mountains, Antarctica. Geological Society of America Annual Meeting Minneapolis, MN. GSA Abstracts with Programs, v. 43, p. 602.
[Assisted with research; part of my larger project; collected specimens, revised writing]
249. Halfen, A.F., and **Hasiotis, S.T.**, 2011. Soil mixing rates of the western harvester ant: a neoichnological perspective on the importance of the ant in the paleopedological record. Geological Society of America Annual Meeting Minneapolis, MN. GSA Abstracts with Programs, v. 43, p. 380.
[Student research; helped devise research plan, assisted with writing]
248. **Hasiotis, S.T.**, and Flaig, P.P., 2011. New insights on the Permian-Triassic boundary from the Beardmore Glacier area, Central Transantarctic Mountains, Antarctica: Implications from the integrated ichnology, sedimentology, paleontology, and paleosols of the uppermost Buckley Formation and lowermost Fremouw Formation. Geological Society of America Annual Meeting Minneapolis, MN. GSA Abstracts with Programs, v. 43, p. 506.
[lead researcher]
247. Hirmas, D.R., Platt, B.F., and **Hasiotis, S.T.**, 2011, Determination of calcite and dolomite content in soils and paleosols by continuous coulometric titration. Paper 68440. Abstracts, 2011 International Annual Meeting, ASA-CSSA-SSSA. ASA, Madison, WI. [CD-ROM].
246. Platt, B.F., and **Hasiotis, S.T.**, 2011. Network analysis of the dinosaur-dominated ecosystem of the Upper Jurassic Morrison Formation, Western Interior North America. Geological Society of America Annual Meeting Minneapolis, MN. GSA Abstracts with Programs, v. 43, p. 380.
[Student research; helped devise research plan, revised writing]
245. Smart, S.M., Buren, D.D., Brake, S.S., Wolf, S.F., and **Hasiotis, S. T.**, 2011. Establishing stromatolite-building eukaryotic biofilm in a controlled laboratory setting. Geological Society of America Annual Meeting Minneapolis, MN. GSA Abstracts with Programs, v. 43, p. 584.
[Student research; helped devise research plan, revised writing]
244. Flaig, P.P., **Hasiotis, S. T.**, Van der Kolk, D., and Fiorillo, A., 2011. Light aircraft, trenching tools, and inflatables—old tools used for new frontiers in trace fossil research.

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[Shared Research Program; written by the two primary authors]

243. **Hasiotis, S. T.**, Hirmas, D.R., Platt, B.F., and Reynolds, J., 2011. New frontiers in ichnology using MLT (Multistriple laser triangulation) and rapid prototyping technology for three-dimensional analysis, printing, and sharing of modern and ancient traces with other ichnophiles. Northeast-Northcentral Geological Society of America Section Meeting, March 20–22, Pittsburgh, PA, 1 p.

[Student and shared research; help devise research plan, written by three primary authors]

242. **Hasiotis, S.T.**, van der Kolk, D.A., Flaig, P.P., and Wood, L.J., 2011, Preliminary Report on the Trace Fossils in a Shoreface to Coastal-plain Transition: The Schrader Bluff and Prince Creek Formations at Shivugak Bluff, North Slope, Alaska, Poster Presentation, American Association of Petroleum Geologists Pacific Section Meeting, Anchorage Alaska.

241. Smith, J.J., **Hasiotis, S.T.**, Kraus, M.J., and Woody, D.T., 2011. Ichnologic and paleopedologic trends during an abrupt global-warming event: Paleocene-Eocene Thermal Maximum interval, Willwood Formation, Bighorn Basin, Wyoming. TerQua Conference, Tate Geological Museum, Casper College, WY, Program with Abstracts, p. 14.

240. Smith, J.J., Platt, B.F., Retrum, J.B., and **Hasiotis, S.T.**, 2011. Neoichnology of extant earthworm (Annelida: Oligochaeta) casts to estimate *Edaphichnium lumbricatum* tracemaker body sizes. Geological Society of America Annual Meeting Minneapolis, MN. GSA Abstracts with Programs, v. 43, p. 380.

[Student research; helped devise research plan, revised writing]

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-----Last Promotion-----

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[Shared research program; shared writing]

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61. Bonuso, N. and **Hasiotis, S. T.** 1997. Pelecypod trace fossil communities, Tepees area, Upper Triassic Chinle Formation, Petrified Forest National Park, Arizona. Combined Rocky Mountain/South-central Geological Society of America meeting, El Paso, TX, p. 4.
60. Laws, G. R., **Hasiotis, S. T.**, Fiorillo, A., Chure, D., Breithaupt, B. H., and Horner, J. 1996. The demise of a Jurassic dinosaur after death - three cheers for the dermestid beetle. Geological Society of America National Meeting, Denver, Colorado, v. 28(7), p. 299.
59. Hirsch, K. F., Bray, E. S., **Hasiotis, S. T.**, Demko, T. M., Currie, B., Ekart, D., and the Morrison Research Group. 1996. Dinosaur eggshell from the uppermost part of the Upper Jurassic Morrison Formation, southeastern Utah. Geological Society of America National Meeting, Denver, Colorado, v. 28(7), p. 296.
58. **Hasiotis, S. T.** and Kirkland, J. I. 1996. Crayfish fossils and burrows, Upper Jurassic Morrison Formation, Colorado Plateau, USA. IAA, Freshwater Crayfish XI Abstracts with Program, Thunder Bay, Ontario, p. 37.
57. **Hasiotis, S. T.** and Demko, T. M. 1996. Ant (Hymenoptera: Formicidae) nest ichnofossils, Upper Jurassic Morrison Formation, Colorado Plateau: Evolutionary and ecologic implications. Geological Society of America National Meeting, Denver, Colorado, v. 28(7), p. 106.
56. **Hasiotis, S. T.**, Bown, T. M., Kay, P. T., Dubiel, R. F., and Demko, T. M. 1996. The ichnofossil record of hymenopteran nesting behavior from Mesozoic and Cenozoic pedogenic and xylic substrates: Example of relative stasis. North American Paleontological Convention, NAPC-96, Washington, DC, p. 165.
55. **Hasiotis, S. T.** and Bown, T. M. 1996. Crayfish burrows from the Paleocene-Eocene Claron Formation, Paunsaugunt Plateau, Utah. IAA, Freshwater Crayfish XI Abstracts with Program, Thunder Bay, Ontario, p. 75.
54. **Hasiotis, S. T.** 1996. Invertebrate ichnofossils from the Upper Jurassic Morrison Formation, Colorado Plateau: Jurassic biodiversity, ecologic, and climatic implications. Rocky Mountain Section, Geological Society of America Regional Meeting, v. 28(3), p. 1.

53. **Hasiotis, S. T.** 1996. Termite (Insecta: Isoptera) nests from the Upper Jurassic Morrison Formation: Evolutionary, paleoecologic, and paleoclimatic implications. Rocky Mountain Section, Geological Society of America Regional Meeting, v. 28(3), p. 10.
52. Fiorillo, A. R. and **Hasiotis, S. T.** 1996. Preliminary report on the continental ichnofossils from the Upper Jurassic Morrison Formation of Curecanti National Recreation Area, Colorado. Rocky Mountain Section, Geological Society of America Regional Meeting, v. 28(3), p. 7-8.
51. Dubiel, R. F., **Hasiotis, S. T.**, and Semken, S. 1996. Hands-On Geology for Navajo Nation Teachers. Symposium 10, Geoscience Education in Native American Communities, Rocky Mountain Section, Geological Society of America Regional Meeting, v. 28(3), p. 6. Invited.
50. Warwick, P., Bown, T. M., **Hasiotis, S. T.**, Dilcher, D., Crowley, S. S., Thomas, R., and Sheehan, T. 1995. Paleosols and trace fossils as clues to Eocene depositional environments of lignite, Calvert Bluff Formation (Wilcox Group) and Carrizo Sand, east Texas. Geological Society of America, National Meeting, New Orleans, Louisiana, v. 27(6), p. 246.
49. **Hasiotis, S. T.**, Geddes, M. C., and Musgrove, R. J. 1995. Crayfish Jambalaya: Burrowing experiments with Australian and North American crayfish, comparison of burrowing signatures, and implications for the evolutionary and fossil history of freshwater crayfish. Geological Society of America, National Meeting, New Orleans, Louisiana, v. 27(6), p. 165.
48. **Hasiotis, S. T.**, Dubiel, R. F., and Demko, T. M. 1995. Bees, wasps, and insect nests predate angiosperms: Implications for continental ecosystems and the evolution of social behavior". Rocky Mountain Section of the Society of Sedimentary Geologists (SEPM) Luncheon, Denver, CO, October Newsletter, v. 20(7), p. 1.
47. **Hasiotis, S. T.**, Dubiel, R. F., and Demko, T. 1995. Triassic hymenopterous nests: Insect eusociality predates Angiosperm plants: Rocky Mountain Section, Geological Society of America Regional Meeting, v. 27(4), p. 13.
46. **Hasiotis, S. T.** 1995. Terrestrial and freshwater-aquatic trace fossils in the Upper Jurassic Morrison Formation, Colorado Plateau: Invertebrates out-shine the dinosaurs. 3rd National Biological Service Biannual Conference of Research on the Colorado Plateau, Abstracts with Program, v. 3, p. 33.
45. **Hasiotis, S. T.** 1995. Paleontology without bones: Trace fossils of terrestrial and freshwater organisms, Upper Triassic Chinle Formation, Petrified Forest National Park (PEFO),

Arizona. 3rd National Biological Service Biannual Conference of Research on the Colorado Plateau, Abstracts with Program, v. 3, p. 32.

44. **Hasiotis, S. T.** 1995. Invertebrate behavioral responses to environmental controls across terrestrial and freshwater-aquatic environments: Examples from the Upper Triassic Chinle Formation, Colorado Plateau. Symposium 19, Animal behavior interpreted from the fossil record, North-Central/South-Central Sections, Geological Society of America Combined Regional Meeting, v. 27(3), p. 56. Invited.
43. Dubiel, R. F., **Hasiotis, S. T.**, Demko, T. M., May, C. L., Riggs, N. R., Ash, S. R., and Litwin, R. J. 1995. Triassic paleoecosystem reconstruction via fossil, ichnofossil, isotopic, and sedimentologic evidence integrated into a complete measured section - Chinle Formation, Petrified Forest National Park, AZ. 1995. Rocky Mountain Section, Geological Society of America Regional Meeting, v. 27(4), p. 9.
42. Dubiel, R. F., and **Hasiotis, S. T.** 1995. Paleocological diversity and community interactions: Insect and other invertebrate ichnofossil evidence in Triassic continental ecosystem reconstruction. Geological Society of America, National Meeting, New Orleans, Louisiana, v. 27(6), p. 165.
41. Demko, T. M. and **Hasiotis, S. T.** 1995. Jurassic continental alluvial trace fossils in Felch Quarry Sandstone, Garden Park Paleontological Area, Canyon City, Colorado. Society of Sedimentary Geologists 1st Congress on Sedimentary Geology, St. Pete Beach, Florida, Ichnofossils; Linkages to Life Habitats and Environments, v. 1, p. 44. Invited.
40. Bown, T. M., **Hasiotis, S. T.**, Maldonado, F., Brouwers, E., and Eaton, J. G. 1995. Trace fossils of ants, wasps, and bees (Hymenoptera) from the Lower Tertiary Claron Formation of southwestern Utah. Rocky Mountain Section, Geological Society of America Regional Meeting, v. 27(4), p. 3.
39. Bown, T. M., **Hasiotis, S. T.**, and Brouwers, E. 1995. Reassessment of sedimentary paleoenvironments, Middle Pliocene-Eocene Claron Formation, Paunsaugunt Plateau, southwestern Utah. Geological Society of America, National Meeting, New Orleans, Louisiana, v. 27(6), p. 277.
38. Riggs, N. R., Demko, T., Dubiel, R. F., **Hasiotis, S. T.**, Ash, S. R., and May, C. L. 1994. Distal effects of volcanism on fluvial sedimentation, Upper Triassic Chinle Formation, Arizona. Geological Society of America National Meeting, Seattle, WA, v. 26(7), p. 68.
37. Honey, J. and **Hasiotis, S. T.** 1994. Identification and occurrence of crayfish burrows in Paleocene continental rocks of Hanna and Washakie basins, Wyoming. Rocky Mountain Section Meeting, Geological Society of America, Durango, CO., v. 26(6), p. 18.

36. **Hasiotis, S. T.** and Honey, J. 1994. Paleocene crayfish burrows and their paleohydrologic significance, Washakie and Hanna Basins, Wyoming. International Association of Astacology Symposium X, Adelaide, South Australia, 1994, p. 21. Invited.
35. **Hasiotis, S. T.**, Flores, R. M. and Keighin, W. C. 1994. Integrated ichnology, paleopedology, and fluvial sedimentology of the Fort Union Formation, Wind River Basin, Wyoming. American Association of Petroleum Geology Meeting, Denver, CO, v. 3, p. 166.
34. **Hasiotis, S. T.**, Dubiel, R. F., Demko, T., Shipman, T., Rosensimon, B., Dykstra, M., Roth, M., Van Housen, P., Rhodes, W., Moran, E. 1994. Update on the ichnofauna and ichnoflora from the Tepees area, Petrified Forest Member, Upper Triassic Chinle Formation, Petrified Forest National Park, Arizona. In, Santucci, V. (ed.), Petrified Forest National Park Research Abstracts, Petrified Forest National Park, AZ, v. 3, p. 12-13. Invited.
33. **Hasiotis, S. T.**, Dubiel, R. F., Demko, T., Shipman, T., Rosensimon, B., Dykstra, M., Roth, M., Van Housen, P., Rhodes, W., Moran, E. 1994. Invertebrate and plant ichnofossils from the Painted Desert Area, Petrified Forest Member, Upper Triassic Chinle Formation, Petrified Forest National Park, Arizona. In Santucci, V. (ed.), Petrified Forest National Park Research Abstracts, Petrified Forest National Park, AZ, v. 3, p. 10-11. Invited.
32. **Hasiotis, S. T.**, Dubiel, R. F., Conrad, K. L. and Lockley, M. 1994. Footprint evidence of North America's earliest dinosaur, Upper Triassic Chinle Formation, Fort Wingate, New Mexico. Rocky Mountain Section Meeting, Geological Society of America, Durango, CO, p. v. 26(6), p. 17.
31. **Hasiotis, S. T.**, and Dubiel, R. F. 1994. Termite-nest ichnofossils in crevasse-splay deposits, lower part of the Petrified Forest Member, Upper Triassic Chinle Formation, Petrified Forest National Park, Arizona. In Santucci, V. (ed.), Petrified Forest National Park Research Abstracts, Petrified Forest National Park, AZ, v. 3, p. 8-9. Invited.
30. **Hasiotis, S. T.** 1994. In search of behavior in ancient life: animal and plant trace fossils in national parks and monuments from the Four Corners States. Partners in Paleontology: Protecting our Fossil Heritage, Fourth Conference on Fossil Resources, Oct. 31 - Nov. 4, Colorado Springs, Colorado, p. 31. Invited.
29. **Hasiotis, S. T.** 1994. Redefining freshwater-aquatic and terrestrial ecosystems through the Phanerozoic: Partitioning the *Scoyenia* Ichnofacies. Geological Society of America National Meeting, Seattle, WA, v. 26(7), p. 374.
28. **Hasiotis, S. T.** 1994. Earliest known burrowing crayfish fossils and their burrows: The antiquity of successful behavior. Rocky Mountain Section Meeting, Geological Society of America, Durango, CO, v. 26(6), p. 17. Invited.

27. **Hasiotis, S. T.** 1994. Burrow morphologies of *Cambarus diogenes diogenes* Girard: A comparison between crayfish communities in New York and Colorado, USA. International Association of Astacology Symposium X, Adelaide, South Australia, 1994, p. 44. Invited.
26. Dubiel, R. F., **Hasiotis, S. T.**, Demko, T. M., Riggs, N. R., May, C. L., Ash, S. R., and Litwin, R. J. 1994. A composite measured section, Upper Triassic Chinle Formation, Petrified Forest National Park, Arizona. In Santucci, V. (ed.), Petrified Forest National Park Research Abstracts, Petrified Forest National Park, AZ, v. 3, p. 6-7. Invited.
25. Dubiel, R. F. and **Hasiotis, S. T.** 1994. Integration of sedimentology, paleosols, and trace fossils for paleohydrologic and paleoclimatic interpretations in a Triassic alluvial system. Geological Society of America National Meeting, Seattle, WA, v. 26(7), p. 502.
24. Dubiel, R. F. and **Hasiotis, S. T.** 1994. Paleosols and rhizofacies as indicators of climate change and groundwater fluctuations: The Upper Triassic Chinle Formation. Rocky Mountain Section Meeting, Geological Society of America, Durango, CO, v. 26(6), p. 11-12. Invited.
23. Villamil, T. and **Hasiotis, S. T.** 1993. Miniature *Teredolites* in amber and associated microborings, Late Turonian, Columbia: Rocky Mountain and Cordilleran Geological Society of America Section Meeting, v. 25(6), p. 158.
22. **Hasiotis, S. T.** and Dubiel, R. F. 1993. Neoichnology and ecological tiering in continental settings: Analogs for interpreting Pangean paleoecology, paleohydrology, and paleoclimate. Carboniferous to Jurassic Pangea, a global view of environments and resources, Canadian Society of Petroleum Geology, Calgary, Alberta, Canada, p. 133.
21. **Hasiotis, S. T.** and Dubiel, R. F. 1993. A possible termite nest from the Upper Triassic Chinle Formation, Petrified Forest National Park, Arizona: Rocky Mountain and Cordilleran Geological Society of America Section Meeting, v. 25(6), p. 48-49.
20. **Hasiotis, S. T.** and Bown, T. M. 1993. Ichnofossils of deposit-feeding echinoids, Lower Miocene Moghra Formation, Qattara Depression, northwest Egypt: Rocky Mountain and Cordilleran Geological Society of America Section Meeting, 25(6):49.
19. **Hasiotis, S. T.**, 1993. Paleoecological tiering in Pangean continental settings - Abstracts. In Lucas, S. G. and Morales, M., eds., The Nonmarine Triassic, New Mexico Museum of Natural History and Science - Bulletin 3, p. 64. Invited.
18. **Hasiotis, S. T.**, 1993. Crayfish and their burrows: The antiquity of behavior. Colorado Scientific Society, November Newsletter, p. 1.

17. Aslan, A., **Hasiotis, S. T.**, and Autin, W. J. 1993. Holocene trace fossils and biofabrics of floodplain sediments and soils of the Mississippi River: Rocky Mountain and Cordilleran Geological Society of America Section Meeting, v. 25(6), p. 5.
16. **Hasiotis, S. T.** and Dubiel, R. F. 1992. Nonmarine ichnofossils of the Upper Triassic Chinle Formation, Colorado Plateau: Mesozoic of the Western Interior, SEPM Theme Meeting, Ft. Collins, p. 30. Invited.
15. **Hasiotis, S. T.** 1992. Trace fossils of the Petrified Forest Member, Petrified Forest National Park, Arizona: In Santucci, V. (ed.), Petrified Forest National Park Research Abstracts, p. 56. Invited.
14. **Hasiotis, S. T.** 1992. Paleontologic, sedimentologic, and paleoecologic examination of the Canyonlands National Park vicinity, Utah: In Santucci, V. (ed.), Petrified Forest National Park Research Abstracts, p. 16. Invited.
13. **Hasiotis, S. T.** 1992. Fossil and ichnological occurrences from the Upper Triassic Chinle Formation of the Canyonlands vicinity: Their paleoecological implications: Paleocology of the Western Interior Symposium, Rocky Mountain Sectional Meeting, Geological Society of America, 31 p. Invited.
12. **Hasiotis, S. T.** 1992. Burrowing behavior of stream and pond dwelling species of *Orconectes* in the Front Range of Boulder, Colorado USA: International Association of Astacology, 9th International Symposium, Reading England, April 5-10, p. 8.
11. **Hasiotis, S. T.** 1992. Burrowing behavior and comparative morphologies of Triassic and modern crayfishes: A systematic approach to their evaluation: International Association of Astacology, 9th International Symposium, Reading England, April 5-10, p. 30.
10. **Hasiotis, S. T.** 1992. A systematic approach to the evaluation of burrow morphologies: A comparison of crayfish and lungfish burrowing signatures: Mesozoic of the Western Interior, SEPM Theme Meeting, Ft. Collins, p. 30. Invited.
9. **Hasiotis, S. T.**, and Hannigan, R. E. 1991. Use of Periodic Acid Schiff (PAS) in the identification of possible lungfish burrows in the Upper Triassic Chinle Formation of southeastern Utah and western Colorado: Northeast/Southeast Geological Society of America Sectional Meeting, v. 23, p. 42.
8. Piechocki, A. L., Jacobi, R. J. and **Hasiotis, S. T.** 1990. The Nunda Sandstone: A Devonian non-channelized sand lobe of a submarine fan: Geological Society of America Abstracts with Programs, v. 22, no. 22, p. 62.

7. **Hasiotis, S. T.**, and Piechocki, A. L. 1990. Preliminary report on the fauna, flora, and ichnofauna of the Nunda Sandstone: Geological Society of America Abstracts with Programs, v. 22, no. 2, p. 22-23.
6. **Hasiotis, S. T.**, and Mitchell, C. E. 1990. Preliminary report on the comparison of Triassic and Holocene crayfish burrow morphologies: Geological Society of America Abstracts with Programs, v. 22, no. 2, p. 22.
5. **Hasiotis, S. T.** and Hannigan, R. E. 1990. Identification of possible lungfish burrows in the Upper Triassic Chinle Formation of southeastern Utah: Periodic Acid Schiff (PAS) Reaction and mucus burrow linings: Rochester Academy of Science Symposium, p. 18.
4. **Hasiotis, S. T.** 1990. Upper Triassic Chinle Formation of southeastern Utah, USA: Crayfish burrows as floodplain and water table indicators: Canadian Paleontology and Biostratigraphy Seminar Abstracts with Programs, Sept. 28-Oct. 1, p. 26-27.
3. **Hasiotis, S. T.** 1990. Induced burrowing of *Procambarus clarkii* and *Procambarus acutus acutus*: Identification of their burrow morphologies and burrowing signatures: International Association of Astacology 8th International Crayfish Symposium, 1990, Baton Rouge, Louisiana, p. 35.
2. **Hasiotis, S. T.** 1990. Description of aestivation burrow morphologies and burrowing signatures of the Permian lungfish *Gnatheriza* from continental deposits, USA: Geological Society of America Abstracts with Programs, v. 27, p. 35.
1. **Hasiotis, S. T.** and Mitchell, C. E. 1989. Burrows in the Upper Triassic Chinle Formation, southeastern Utah: New evidence suggests origin by burrowing freshwater decapod crustaceans: Geological Society of America Abstracts with Programs, v. 21, no. 6, p. 252.

Invited Symposia Organizer, Field Trip Leader, Visiting Scholar Seminars, & Short Courses

120. 2017 Coleader of a 6-day Field Course and Core Workshop (with Mark Reilly) for Quadrant Energy Ltd. on Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems, Hevrey Bay Queensland, Australia, Sept. 3-8.
119. 2017 Coleader of a 2-day SEPM Field Course (with Anton Wroblewski and Peter Flaig), Fluvial and Coastal Clastic Sedimentology and Ichnology of Modern Environments and Core, for the American Association of Petroleum Geologists Meeting, Houston, TX, March 31-April 1.

118. 2016 Coleader of a 4-day SEPM Field Course (with Anton Wroblewski and Peter Flaig), Fluvial and Coastal Clastic Sedimentology and Ichnology of Modern Environments, for the Department of Geology and Geophysics Sedimentology Course, Houston, TX, March 18-22.
117. 2015 Invited Lecture (by Dr. J. Holbrook) given for a colloquium presentation on “Trace Fossils and Continental Record of the Biodiversity, Ecology, Climate, and the Greatest Mass Extinction: Permo-Triassic strata of the Beacon Supergroup, Beardmore Glacier region, Central Transantarctic Mountains, Antarctica.” Texas Christian University, Department of Geology, Fort Worth, Texas, March 28.
116. 2015 Invited Short Course (by Dr. J. Holbrook) given on Continental and Marine Trace Fossils. Texas Christian University, Department of Geology, Fort Worth, Texas, March 27-28.
115. 2014 Invited Lecture (by Dr. W. Hammer) given for a colloquium presentation on “What Trace Fossils Reveal about the Continental Record of the Biodiversity, Ecology, Climate, and the Greatest Mass Extinction: Lifting the veil on the Permo-Triassic strata of the Beacon Supergroup, Beardmore Glacier region, Central Transantarctic Mountains, Antarctica,” to be given at the Center for Polar Studies, Augustana College, Rock Island, IL, March 27, 2014.
114. 2013 Invited Lecture (by Drs. W. Yang and D. Wronkiewicz) for a colloquium presentation on “Lifting the Veil on the Permo-Triassic World in Antarctica: What Trace Fossils Reveal about the Continental Record of the Biodiversity, Ecology, Climate, and the Greatest Mass Extinction,” given at the Geological Sciences and Engineering Department, Missouri University of Science and Technology, Rolla, MO, October 14, 2013.
113. 2013 Coleader of a 5-day Field Course and Core Workshop (with Mark Reilly and Ian Moffat) for Chevron Oil Company on Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems, Morten Bay Queensland, and Permo-Triassic Units, Bowen and Surrat Basins, Queensland, Australia, June 10-14, 2013.
112. 2013 Coleader of a 6-day Field Course and Core Workshop (with Mark Reilly and Ian Moffat) for Woodside Petroleum Ltd. on Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems, Morten Bay Queensland, and Permo-Triassic Units, Bowen and Surrat Basins, Queensland, Australia, June 3-8, 2013.
111. 2012 Field trip coleader (with John McPherson and Mark Reilly) for Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain

Deposystems, and Permo-Triassic Units, Sydney Basin, Sydney to Wollongong, Australia, October 23-28, 2012.

110. 2012 Field trip and Core Workshop coleader (with Mark Reilly, Ian Moffat) for Modern and Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems, Morten Bay Queensland, and Permo-Triassic Units, Surrat Basin, Queensland, Australia, July 16-21, 2012.
109. 2012 Invited Lecture (by IGC Organizing Committee) for a presentation on my recent Antarctic research, "First report of marine trace fossils from fluvio-deltaic-shallow marine deposits in the Lower Permian Mackellar Formation, Beardmore Glacier Area, Central Transantarctic Mountains, Antarctica: Salinity stressed aquatic conditions". Brisbane, Queensland, Australia, August 10, 2012.
108. 2012 Invited Lecture (by the Petroleum Exploration Society of Australia), "Lifting the Veil on Life and the Permian-Triassic Mass Extinction in Marine and Continental Deposits of Australia," held at the Geosciences Australia Government Facilities, Canberra, ACT, Australia, July 13, 2011.
107. 2012 Invited 2-day Trace Fossil Short Course (by Geosciences Australia), Fundamentals of Marine and Continental Ichnology, held at the Geosciences Australia Government Facilities, Canberra, ACT, Australia, July 12-13, 2011.
106. 2012 Invited 3-day Transantarctic Mountain Workshop (by NSF-OPP), making a presentation on "Ichnology of the Beacon Supergroup, Central Transantarctic Mountains, held in at Indiana University-Purdue University, Indianapolis, IN, to plan the next deep field camp in the Central Transantarctic Mountains, June 25-27, 2011.
105. 2012 Invited Lecture (by Gill Parker) for the Lecture Series 2012 of the 51st Annual Gem and Mineral Show, "Studying trace fossils in the 21st Century: Using modern experiments to understand ancient tracemakers and their behaviors". Kansas City, Missouri, March 11, 2012.
104. 2012 Invited Lecture (by Rex Powell) for the Lecture Series 2012 of the Kansas and Missouri Paleontological Society, "Ichnology and the Last Frontier: Trace fossils of the Permian-Triassic continental deposits, Antarctica". Kansas City, Missouri, January 22, 2012.
103. 2011 Invited Lecture (by Nora Nofitke) for the Colloquium Lecture, School of Earth and Ocean Sciences, Old Dominion University, "Using Ichnology to Understand Diversity, Abundance, and Distribution of Organisms in Continental Deposits in Deep Time". Norfolk, Virginia, November 12, 2011.

102. 2011 Field trip leader (with Mark Reilly and Ian Moffat) for Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems in Permian-Cretaceous Units, Surat and Bowen Basins, Queensland, Australia, October 21-24, 2011.
101. 2011 Invited 5-day Trace Fossil and Core Workshop (by Tobi Payenberg) for Chevron Oil Company, Permian-Cretaceous Continental and Marine Paleoenvironments, held at the Western Australia Government Core Facilities, Perth, Western Australia, August 22-26, 2011.
100. 2011 Field trip leader (with Simon Lang, Ian Moffat) for Modern and Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems, Morten Bay Queensland, and Permo-Triassic Units, Surat Basin, Queensland, Australia, August 12-19, 2011.
99. 2011 Invited 5-day Trace Fossil and Core Workshop (by Robert Seggie) for Woodside Petroleum LTD, Permian-Cretaceous Continental and Marine Paleoenvironments, held at the Western Australia Government Core Facilities, July 18-22. Perth, Western Australia.
98. 2011 Field trip leader (with Mark Reilly and Ian Moffat) for Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems in Permian-Cretaceous Units, Surat and Bowen Basins, Queensland, Australia, June 11-18, 2011.
97. 2011 Invited Lecture (by Steve Sonneberg) for the Rocky Mountain Section SEPM Luncheon Seminar Series, "Continental Ichnology—Interpreting Paleoenvironments, Sedimentation Rates, Paleosol Formation, Paleohydrology, and Paleoclimate". Denver, Colorado, May 31, 2011.
96. 2011 Invited Lecture (by AAPG Student Chapter) for the University of Texas, Bureau of Economic Geology, Continental and Marine Ichnology 2-day short course. Austin, Texas, April 28–29, 2011.
95. 2011 Invited Lecture (by Peter Flaig and Lesli Wood) for the University of Texas, Bureau of Economic Geology, "Ichnology for the 21st Century: Implications of Continental and Marine trace fossils to interpreting depositional environments and significant surfaces". Austin, Texas, April 27, 2011.
94. 2011 Invited Lecture (by Mona Sirbescu) for the Central Michigan University, Department of Geology and Meteorology, "Ichnology and the Last Frontier—Trace fossil evidence of life in Antarctica during the Permian and Triassic". Mt Pleasant, Michigan, April 5, 2011.

93. 2010 Field trip leader (with Mark Reilly and Ian Moffat) for Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems in Permian-Cretaceous Units, Surat and Bowen Basins, Queensland, Australia, October 10-17, 2010.
92. 2010 Field trip leader (with Simon Lang, Mark Reilly, Ian Moffat) for Modern and Ancient Sedimentology, Stratigraphy, Ichnology, and Sequence Stratigraphy of Coastal and Delta Plain Deposystems, Morten Bay Queensland, and Permo-Triassic Units, Surat Basin, Queensland, Australia, August 10-17, 2010.
91. 2010 Invited Lecture (by Joan Esterle) for the Natural Resources Lecture, School of Earth Sciences, University of Queensland, "Using Ichnology to Understand Diversity, Abundance, and Distribution of Organisms in Continental Deposits in Deep Time". Brisbane, Queensland, Australia, August 8, 2010.
90. 2010 Invited Lecture (by Kathryn Amos) for the Australian School of Petroleum, University of Adelaide, "Traces of Life on Land: Using Ichnology to understand the diversity, abundance, and distribution of organisms in continental strata". Adelaide, South Australia, March 22, 2010.
89. 2010 Invited Lecture (by Emily Jattaf and Ian Moffat) for the Department of Archaeology, Flinders University, "Traces of Life on Land: Using Ichnology to understand the diversity, abundance, and distribution of organisms in continental strata". Adelaide, South Australia, March 22, 2010.
88. 2010 Invited Lecture (by Mark Clementz) for the University of Wyoming, "Ichnology for the 21st Century: Continental trace fossils and their implications to interpreting depositional environments and significant surfaces". Laramie, Wyoming, March 1, 2010.
87. 2009 Invited Lecture (by Robert Cowdery) for the Kansas Geological Society on "Continental trace fossils and their implications to interpreting depositional environments and significant surfaces: Ichnology for the 21st Century". Wichita, Kansas, December 22, 2009.
86. 2009 Invited Lecture (by Michael Kowaleski) for Virginia Tech Department of Geological Sciences; Traces of Life on Land: Using Ichnology to understand the diversity, abundance, and distribution of organisms in continental strata. Blacksburg, Virginia, September 4.
85. 2009 Invited 4-day Trace Fossil and Core Workshop (by Clive Jones) for Imperial Oil Company, held at the downtown Calgary office and the Economic Recourses of

Canada Board and Geological Survey of Canada, August 2-3. Calgary, Alberta, Canada.

84. 2009 Invited 2-day Trace Fossil and Core Workshop (by Penny Paterson) for ExxonMobil Production Company, held at the Greenspoint Houston Hilton North Hotel and Suites, August 17-18. Houston, Texas.
83. 2009 Invited 5-day Trace Fossil and Core Workshop (by Andrew Kulpecz) for Chevron Oil Company, held at the downtown Houston office and at the offsite Chevron core facility, June 15-19. Houston, Texas.
82. 2009 SEPM Short Course #51 Continental Trace Fossils given at the AAPG Annual Meeting in Denver, Colorado, Two-day short course, held in the Downtown Marriott, June 11–12; 15 attendees.
81. 2009 Keynote Address for the ES-SEPM Reception at Northeastern Section of the Geological Society of America Meeting, March 22-24, “Understanding the differences between continental and marine trace fossils and their implications: Ichnology for the 21st Century”. Portland, Maine, March 22.
80. 2009 Invited Lecture (by Jared Morrow) for San Diego State University (SDSU), Department of Geology; Traces of Life on Land: Using Ichnology to understand the diversity, abundance, and distribution of organisms in continental strata. San Diego, CA, February 4.
79. 2009 Invited 2-day Trace Fossil Workshop (by Jared Morrow and AAPG Student Chapter) for San Diego State University (SDSU), Department of Geology; held at SDSU, San Diego, CA, February 2-3.
78. 2009 Invited Speaker (by Stephanie Davidson, Sophia Leleu, and Colin North) for the special session “An examination of the problems involved in transferring modern geomorphological knowledge to the sedimentary record, or What not to do”; presenting a paper on “Ichnopedologic characteristics of fluvial and floodplain deposits: A comparison of modern and ancient deposits.” From River to Rock Record—The Preservation of Fluvial Sediments and their Subsequent Interpretation, 12-14 January 2009, Aberdeen, Scotland, UK.
77. 2009 Invited Poster Presenter (by Stephanie Davidson, Sophia Leleu, and Colin North) “Continental traces in tidal deposits in an intracratonic playa lake: An example of how sedimentary facies might sway Ichnologic interpretations.” From River to Rock Record—The Preservation of Fluvial Sediments and their Subsequent Interpretation, 12-14 January 2009, Aberdeen, Scotland, UK.

76. 2008 Cochairman (with Julie Retrum) for the Thursday Morning Oral Session T43 “Field and Quantitative Paleontology, Micropaleontology, and Taxonomy: A Memorial to Roger L. Kaesler” on October 9, 2008 for Annual Meeting of Geological Society of America in Houston, Texas.
75. 2008 Invited Speaker (by K.L. Cunningham and H.A. Curran) for Annual Meeting of Geological Society of America in Houston, Texas, T48 “Exploring the Role of Endobenthic Organisms in Enhancing Porosity and Permeability of Sedimentary Aquifers and Reservoirs.” Oral presentation: Field and Laboratory Studies on the Effects of Bioturbation on Porosity and Permeability in the Vadose Zone in Continental Settings: How Ichnopedologic Fabric Shapes and Modifies Aquitards, Aquicludes, Aquifers, and Tomorrow's Reservoirs and Seals.
74. 2008 Invited Speaker (by S.G. Driese and L.C. Nordt) for Annual Meeting of Geological Society of America in Houston, Texas, Pardee Session P2. “Critical Zone Studies of Soils and Weathering: Implications for Interpreting Climate and Landscapes of the Past” Oral presentation: Linking Ichnology and Paleopedology to Infer Landscape Evolution, Paleoenvironments, Paleohydrology, and Paleoclimate: Future Directions of Integrated Soil and Trace-Fossil Studies.
73. 2008 Continental Trace Fossil Workshop for Woodside Energy Company and Chevron Australia, Perth, Western, Australia; June 21-23.
72. 2008 Cochairman (with J-P Zonneveld and Murray Gingras) for the Tuesday Morning Poster Session “Ichnological Applications to Sedimentology and Sequence Stratigraphy” on April 22, 2008 for Annual Meeting of American Association of Petroleum Geologist in San Antonio, Texas.
71. 2008 Invited Trace Fossil Workshop (by John Holbrook) for the University of Texas at Arlington, Department of Geology; held at the University of Texas at Arlington, March 28.
70. 2008 Invited Lecture (by John Holbrook) for the University of Texas at Arlington, Department of Geology; Traces of Life on Land: Using Ichnology to understand the diversity, abundance, and distribution of organisms in continental strata. Arlington, Texas, March 27.
69. 2008 Invited Lecture (by Michael Kuykendall) for the Tulsa Geological Society, Monthly Luncheon Speaker Series, Using continental trace fossils to differentiate between alluvial, lacustrine, eolian, and marine paleoenvironments. Tulsa, Oklahoma, March 11.

68. 2008 Invited Trace Fossil Workshop (by Vice Chancellor Karen Havholm) for the University of Wisconsin at Eau Claire, Department of Geology, and Macalester College, Department of Geology, St. Paul, Minnesota. Held at the University of Wisconsin, Eau Claire, February 2.
67. 2008 Invited Lecture (by Vice Chancellor Karen Havholm) for the University of Wisconsin at Eau Claire, Department of Geology; Traces of Life on Land: Using Ichnology to understand the diversity and abundance of organisms in continental strata. Eau Claire, Wisconsin, February 1.
66. 2007 Session Cochair (with Jared Morrow) Topical Session 97: Trace Fossils, Mass Extinctions, and Event Boundaries: Endobenthic and Fossorial Responses to Terrestrial and Extraterrestrial Perturbations. Geological Society of America National Meeting, Denver, Colorado, 29 October.
65. 2007 Invited Lecture by the University of Zagreb, Croatian Academy of Science, and the Croatian Geological Institute: Using Field and Experimental Neoichnology to Interpret Behavior as Preserved in Continental Trace Fossils. Faculty of Mining and Geology, University of Zagreb, Croatia, October 12.
64. 2007 Invited Trace Fossil Workshop by the University of Zagreb, Croatian Academy of Science, and the Croatian Geological Institute: Trace fossils in Facies and Sequence Stratigraphic Interpretation. Croatian coleaders: Ervin Mrinjek and Vili Pencinger. Northern Dalmatia, Croatia, October 8-11.
63. 2007 Invited Workshop Co-leader (by Carmen Krapf and Toby Payenberg) for the Australian School of Petroleum, University of Adelaide Field Workshop on Lake Eyre Dryland River Systems. Northwestern shore of Lake Eyre, July 21-27.
62. 2007 Invited Lecture (by Robyn Hannigan) for Arkansas State University, Department of Environmental Sciences; Ichnology: expanding its definition and application to problems and frontiers in the Geosciences. Jonesboro, Arkansas, April 25.
61. 2007 Invited Lecture (by Graduate Student Committee) for Northern Illinois University, Department of Geology; Expanding the definition and application of Ichnology to problems and frontiers in the Geosciences. DeKalb, Illinois, February 16.
60. 2006 Invited Workshop Co-leader (by Simon Lang and Robert Seggie) for the American Association of Petroleum Geologists International Postmeeting Core Workshop: Giant Gas Fields of the North West Shelf, Australia; Perth, Australia, November 16-17.

59. 2006 Invited Speaker (by Simon Lang) for Woodside Oil Company, Limited, Perth, Australia; Using traces fossils as proxies to interpret paleoenvironments and interpret better reservoir and seals; Perth, November 10.
58. 2006 Invited Speaker (by Fiona Burns) for the American Association of Petroleum Geologists International Meeting, Perth, Australia; Using traces fossils in deep-water deposits to interpret paleoenvironments and facies distributions: examples from the continental slope, West Africa. November 14.
57. 2006 Invited Keynote Address (by David Brown, Director of the Tate Museum) for 2006 Annual Symposium on Geology and Paleontology—Trackways and Trace fossils, June 2-4. Closing Keynote Address: Traces of Life and the Morrison Formation: how ichnofossils reveal details of the late Jurassic landscapes of the Western Interior. Casper, Wyoming, June 3.
56. 2006 Invited Lecture (by Anne Foster) for the Haskell Indian Nations University, Department of General Sciences Critical Thinking in Sciences course; Traces of Life: the Shape of Biodiversity as Recorded by Organism Behavior. Lawrence, Kansas, April 5.
55. 2006 Invited Short Course (by Hernan Santos) for the University of Puerto Rico, Mayaguez, Department of Geology in cooperation through the Visiting Scholar's Program at the University of Kansas; A Trace Fossil Workshop on Continental Ichnology. This is a two-day course with lectures, discussions, hands-on activities, and fieldtrip to Mayaguez coast, Puerto Rico, on the Atlantic Ocean. February 5-6;
54. 2006 Invited Speaker (by Hernan Santos) for the University of Puerto Rico, Department of Geology Colloquium Series; Using organism behavior to interpret ancient biodiversity, environments, soils, hydrology, and climates. Mayaguez, Puerto Rico, February 5.
53. 2005 Invited Speaker (by Robert Gastaldo) for the Colby College, Department of Geology Colloquium Series; Continental ichnology: a better understanding of ancient terrestrial and aquatic environments, ecosystems, and climates. Waterville, Maine, November 4.
52. 2005 Geological Society of America post-meeting field trip co-leader (with T. Demko, K. Nicoll, J. Beer, and L. Park); Mesozoic Lakes of the Colorado Plateau. From Moab, Utah, to the four corners area, October 19-22.
51. 2005 Workshop Co-leader (with Robert Goldstein and Roger Kaesler) for the Geological Society of America National Meeting for Writing Successful Grants-in-Aid proposals, Salt Lake City, Utah, October 18.

50. 2005 Geological Society of America Topical Session co-organizer and co-convenor (with J. Roberts); Traces of Life: Micro- to Macroscopic Evidence for Life in the Geologic Record. Oral and poster session, Salt Lake City, Utah, October 18.
49. 2005 Invited 2-day short course (by Igor Vlahovic and INA-Croatian Oil Company) on Continental Trace Fossils and their use for paleoenvironmental and paleoclimate interpretation. Zagreb, Croatia, October 3-4.
48. 2005 Invited Keynote Speaker (by Igor Vlahovic) for 2005 Croatian Geological Congress, Opatija, Croatia; Continental Ichnology: trace fossils as indicators of hidden biodiversity, environments, ecological relationships, and climate. Opatija, Croatia, September 30.
47. 2005 Invited Speaker (by Mike Blum) for the Louisiana State University, Department of Geology Colloquium Series; Mesozoic and Cenozoic terrestrial and freshwater trace fossils: indicators of hidden biodiversity, environments, ecological relationships, and climate. Baton Rouge, Louisiana, September 17.
46. 2005 Guest Lecturer (by Mike Blum) for Advance Sedimentology class, Louisiana State University, Department of Geology; Using trace fossils to differentiate continental from marine environments in transitional settings. Baton Rouge, Louisiana, September 17.
45. 2005 Field trip co-leader (with Tim Demko) for the University of Minnesota Duluth Geology Department; Looking for ichnofossils in late Neoproterozoic shallow marine and continental deposits. Duluth area, Minnesota, April 29.
44. 2005 Invited Speaker (by Tom Johnson) for the University of Minnesota Duluth, Department of Geology Colloquium Series; Modern organism behavior of Lake Tanganyika and their comparison to ichnofossils: interpreting ancient environment, hydrology, and ecology from organism-substrate interactions. Duluth, Minnesota, April 28.
43. 2005 Invited Speaker (by Bob Scott) for the Tulsa University, Department of Geosciences Seminar Series; A new Look at Ichnofossils and Bioturbation Patterns in the Early Cambrian—Seki Formation, Northwest Territories, Canada. Tulsa, Oklahoma, April 12.
42. 2005 Invited Speaker (by David Barbeau) for the University of South Carolina, Department of Geology Colloquium Series; Using organism behavior to interpret ancient biodiversity, environments, soils, hydrology, and climates. Columbia, South Carolina, April 4.

41. 2005 Invited Workshop (by David Barbeau) through the Visiting Scholar's Program in the University of South Carolina, Department of Geology, Columbia, South Carolina, April 2-3; A Trace Fossil Workshop on Marine and Continental Ichnology. This is a two-day course with lectures, discussions, hands-on activities, and fieldtrip to Edisto Island, South Carolina, on the Atlantic Ocean.
40. 2005 Invited Speaker (by Bruce Rubidge) for the Bernard Price Institute of Paleontology, University of Witwatersrand; Modern organism behavior of Lake Tanganyika and their comparison to ichnofossils: interpreting ancient environment, hydrology, and ecology. Johannesburg, South Africa, February 18.
39. 2005 Co-field trip leader (with Adam Bumby) for the University of Pretoria, Department of Earth Sciences; Finding and interpreting the significance of trace fossils in eolian deposits of the Lower Jurassic Clarens Formation. Bushveld region, South Africa, February 17.
38. 2005 Invited Speaker (by Adam Bumby) for the University of Pretoria, Department of Earth Sciences; Behavior of modern organisms, Lake Tanganyika: using ichnofossils to interpret paleoenvironment and paleoecology. Pretoria, South Africa, February 17.
37. 2005 Invited Speaker (by Dennis J. Brothers, University of KwaZulu-Natal) for Fossils X3, International Meeting of Palaeoarthropodology, Palaeoentomology, and Fossil Amber; Preservation of ichnofossils and body fossils in continental environments: understanding the depositional conditions, soil forming processes, and the taphonomic filter. South African National Botanical Institute, Pretoria, South Africa, February 10.
36. 2005 Invited Speaker (by Dennis J. Brothers, University of KwaZulu-Natal) for Fossils X3, International Meeting of Palearthropodology, Paleoentomology, and Fossil Amber; Insect trace fossils—their use as proxies for biodiversity, and indicators of palaeoenvironment, palaeoecology, palaeohydrology, and palaeoclimate. South African National Botanical Institute, Pretoria, South Africa, February 10.

-----Last Promotion-----

35. 2004 Short Course (with T. M Demko, University of Minnesota Duluth), The Study of Continental Trace Fossils; this is a two-day course with lectures, discussions, and hands-on activities for students from the University of Kansas, University of Minnesota Duluth, and Gustavus Adolphus College (St. Peter, Minnesota). Held at the KU Department of Geology, Lawrence; December 10-11.

34. 2004 Invited Workshop (by Lynn Soreghan) through the Visiting Scholar's Program in the Department of Geology and Geophysics, Oklahoma University, Noble, Oklahoma, November 19; A Trace Fossil Workshop on Continental Ichnology. This is a one-day course with lectures, discussions, and hands-on activities.
33. 2004 Invited Speaker (by Lynn Soreghan) for the Oklahoma University, Department of Geology and Geophysics Colloquium Series; Interpreting ancient biodiversity, environments, soils, hydrology, and climates with trace fossils: Examples from the Upper Triassic Chinle and Upper Jurassic Morrison Formation. Noble, Oklahoma, November 18.
32. 2004 Invited Lecturer (by Lynn Soreghan) for the course Paleoclimatology in the Department of Geology and Geophysics, Oklahoma University: An Introduction to Ichnology. Noble, Oklahoma, November 18.
31. 2004 Workshop Co-leader (with Robert Goldstein and Roger Kaesler) for the Geological Society of America National Meeting for Writing Successful Grants-in-Aid proposals, Denver, Colorado, November, 9.
30. 2004 Invited Speaker (by Steve Driese, Department Chair) for the Baylor University, Department of Geology Colloquium Series; Animal- and plant-sediment relationships and the interpretation of trace fossils in terrestrial environments. Waco, Texas, October 8.
29. 2004 Invited Workshop (by Steve Driese) through the Visiting Scholar's Program in the Department of Geology, Baylor University, Waco, Texas, October 9; A Trace Fossil Workshop on Continental Ichnology. This was a 4 hour course with lectures, discussions, and fieldtrip to local outcrops.
28. 2004 Invited Speaker (by Andy Cohen, University of Arizona) for the NSF and International sponsored Nyanza Project operated through the Tanzania Fisheries Research Institute (TAFIRI), Kigoma, Tanzania; Exploring the traces of life in Lake Tanganyika, and their comparison to Mesozoic and Cenozoic continental trace fossils. Kigoma, Tanzania, July 10.
27. 2004 Invited Speaker (by Kevin Bohacs) for the joint American Association of Petroleum Geologists and Azerbaijan Society of Petroleum Geologists Hedberg Conference, Sandstone Deposition in Lacustrine Environments: Implications for Exploration and Reservoir Development, May 17-21; Using trace fossils to differentiate between alluvial, lacustrine, and marine paleoenvironments. Baku, Azerbaijan, May 17.
26. 2004 Invited Speaker (by Bryan Foster) for the University of Kansas, Department of Ecology and Evolutionary Biology Colloquium Series; Using organism

behavior to interpret ancient biodiversity, environments, soils, hydrology, and climates in the absence of body fossils. Lawrence, KS, April 29.

25. 2004 Invited Presenter (with Timothy M. Demko, University of Minnesota Duluth) for the American Association of Petroleum Geologists (AAPG) Symposium “Climate Controls on Sequence Stratigraphy”. Talk entitled: Stratal Architecture and Paleoclimate in Continental Depositional Systems: The of Landscape Evolution in the Upper Triassic Chinle and Upper Jurassic Morrison Formations, Colorado Plateau, USA. AAPG National Meeting, Dallas, Texas, April 21.
24. 2004 Invited Short Course Instructor (Co-Taught with Robert W. Wellner, ExxonMobil); Short Course #10, Recognizing Continental Trace Fossils in Outcrops and Core. A Two-day short course given at the American Association of Petroleum Geologists (AAPG) National Meeting, Dallas, Texas, April 17-18.
23. 2003 Invited Symposium Organizer and Chair (Co-Chair with Tim Lawton), American Association of Petroleum Geologists (AAPG): Depositional Processes, Facies, and Sequence Stratigraphy in Foreland Basin Settings. AAPG National Meeting, Salt Lake City, Utah, May 11-14.
22. 2002 Invited Speaker (by John Bridge) for the University of Binghamton, Department of Geology Colloquium Series; Linking Soils, Soil Biota, Soil-Water Budget, and Climate: Using Ichnofossils as proxies for paleoclimate. Binghamton, New York, November 22.
21. 2002 Invited Speaker (by Bart Kowallis, Department Chair) for Brigham Young University, Department of Geology Colloquium Series; Tracks, Trails, and Traces of Continental Organisms: New Perspectives Provide New Implications for Life on Land. Provo, Utah, November 14.
20. 2002 Invited Speaker (by Jared Morrow) for the University of Northern Colorado, Department of Earth Sciences Colloquium Series; Linking Ichnofossils, Paleosols, and Paleolandscapes to Interpret Paleoclimate. Provo, Utah, October 30.
19. 2002 Invited Speaker for the Geological Society of America Symposium “Paleosols and Phanerozoic Climate: Geochemistry to Trace Fossils”. Talk entitled: Ichnopedologic Signatures of Paleoclimate: Linking Ichnofossils, Paleosols, and Paleolandscapes to interpret the seasonality and amount of precipitation and other paleoclimatic indicators. Geological Society of America National Meeting, Denver, CO, October 27.
18. 2002 Invited Speaker (by Rich McCrea) for the Society of Vertebrate Paleontology Pre-Meeting Symposium “200 Years of Vertebrate Paleoichnology”. Talk entitled:

Paleoenvironmental and sequence stratigraphic implications of vertebrate traces, trackways, and trampled zones to delineate discontinuity surfaces in continental environments. Society of Vertebrate Paleontology Annual Meeting, Norman, OK, October 8.

17. 2002 Invited Speaker (by Mary Bourke, Oxford University) for the Department of the Interior, Planning, and Environment; Modern Ichnology of Dryland River Systems: Todd and Hale Rivers, Northern Territory, Australia; Alice Springs, Australia, September 29.
16. 2002 Invited Speaker (by Russell Grant, Program Manager) for the Department of the Interior, Planning, and Environment; Continental Ichnology: using organism behavior to interpret ancient environments, soils, and climates; Alice Springs, Australia, October 3.
15. 2002 Invited Speaker (by Colin North) for the Dryland Rivers 2002 Conference: Process and Product; Ichnologic Signatures of Mesozoic Paleoclimates on the Colorado Plateau, USA: Examples from Monsoonal, Arid, and Wet-Dry Paleoclimates; Aberdeen, Scotland, August 8-9.
14. 2002 Keynote Speaker (by Marvin Houg, President of the Mid-American Paleontological Society): Mid-American Paleontological Society National Fossil Symposium, Western Illinois University in Macomb, Illinois; *Tracks, Trails, and Traces* was the keynote address, April 12.
13. 2002 Invited Speaker (by David Loope) for the T. Mylan Stout Lecture Series in the Department of Geosciences, University of Nebraska, Lincoln, February 22; *Traces of Hidden Life on Land: Advances in Continental Ichnology*.
12. 2002 Invited Workshop (by Michael Blum and David Loope) through the Earl P. Kauffman Visiting Scholar's Program in the Department of Geosciences, University of Nebraska, Lincoln, February 23; A Trace Fossil Workshop with Emphasis on Continental Ichnology. This was an 8 hour course with lectures, discussions, and hands-on activities.
11. 2001 Invited Speaker (by Charles Michener), Entomology Seminar: Traces of Arthropod Biodiversity in the Fossil Record. Snow Entomological Museum, The University of Kansas, November 27.
10. 2001 Invited Topical Session Organizer and Chair (Co-Chair with Marilyn Wegweiser), Geological Society of America: Traces of Soil Ecosystems through the Phanerozoic. Geological Society of America National Meeting, Boston, MA, November 7.

9. 2001 Invited Speaker (by Robert Nelson) Geological Society of America Symposium
“Terrestrial Insects and other Arthropods: Are so many represented by so few?”
Talk entitled: Where has every “body” gone? Why the trace fossil record of
insects and other terrestrial arthropods is sooooooo good... Geological Society
of America National Meeting, Boston, MA.
8. 2001 Invited Speaker for the 7th International Conference on Fluvial Sedimentology,
Dryland Rivers Symposium, Chaired by Colin North. Talk entitled: Ichnologic
signatures of paleoclimates in alluvial settings: Using ichnofossils to interpret
the amount and seasonality of precipitation, as well as other variables of Dry,
Wet-Dry, Wet, and Ever-Wet paleoclimates. University of Nebraska at Lincoln,
August 2-5.
7. 2001 Invited Symposium Organizer and Chair (Co-Chair with James MacEachern),
American Association of Petroleum Geologists (AAPG): Utilizing Innovations
in Ichnofossils to Better Define and Characterized Reservoirs. AAPG National
Meeting, Denver, Colorado, June 1-5.
6. 2001 Invited Speaker (By Luis Gonzalez) for the University of Iowa, Department of
Geological Sciences; Continental Trace Fossils as Indicators of Hidden
Biodiversity, Paleosols, and Paleoclimate. Iowa City, Iowa, April 3.
5. 2001 Invited Speaker (By Daniel Blake) for the University of Illinois at Champagne-Urbana,
Department of Geological Sciences; Continental Trace Fossils and Their
Significance as Indicators of Hidden Biodiversity, Paleosols, and Paleoclimate.
Champagne, Illinois, March 10.
4. 2001 Invited Speaker (By Andres Aslan) for the Mesa State College, Department of
Environmental Sciences; Continental Trace Fossils as Hidden Biodiversity.
Grand Junction, Colorado, November 1.
3. 2001 Invited Speaker (By Roy Plotnick) for the University of Illinois at Chicago, Department
of Earth and Environmental Sciences; Continental Trace Fossils as Indicators of
Hidden Biodiversity, Paleosols, and Paleoclimate. Chicago, Illinois, October 1.

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2. 2000 Invited Speaker (By Erle Kauffman) for the Indiana University, Department of Geology
Colloquium Series; The Continental Ichnology Swiss Army Knife—a New and
Innovative Tool for Interpreting Paleoenvironments and Paleoclimates.
Bloomington, Indiana, September 15.

1. 1997 Invited Speaker (By Tony Ekdale) for the University of Utah, Department of Geology Colloquium Series; Continental Ichnofossils of the Upper Jurassic Morrison Formation: Paleoenvironmental, Paleoecological, and Paleoclimatic Significance. Salt Lake City, Utah, February 10.

Minor Presentations

8. 2010 Field trip leader (with Paul Enos) for Sedimentology-Stratigraphy class of Dr. Daniel Lehrman, Central Michigan University, Pennsylvania Cyclothem in the Midcontinent—A record of eustatic sea-level change, Clinton Spillway, Lawrence, KS, May 20, 2010.
7. 2009 SEPM Strategy and Planning Meeting in Tioga, Texas, from February 16. Planning session to ensure that SEPM will be a fit and vibrant society for the 21st century in a time when membership to any society is on the decline due to free access to journals through libraries, and social and professional networking through websites, cell phones, and PDAs.
6. 2008 Invited Lecture (by Nora Murphy) for middle school students at Central Middle School, Lawrence, Kansas, “New Evidence of Dinosaurs and Ecosystems at High Paleolatitudes: Denali National Park, Alaska,” March 25.
5. 2008 Invited Lecture and hands-on activity (by Krin Bowman) for the morning and afternoon kindergarten class of Quail Run Elementary School, Lawrence, Kansas; “Dinosaurs: Plant Eaters, Insect Eaters, and Meat Eaters,” March 7.

-----Last Promotion-----

4. 2004 Invited Guest Lecturer (by J. Douglas Walker) for the University of Kansas, Department of Geology, GEOL 105/304 History of the Earth; Mesozoic Biological Evolution and the Cretaceous-Tertiary Boundary. Lawrence, Kansas, April 27.
3. 2004 Invited Guest Lecturer (by Jennifer Roberts) for the University of Kansas, Department of Geology, GEOL 101 Physical Geology; Weathering and Soil Formation. Lawrence, Kansas, February 16.
2. 2004 Invited Guest Lecturer (by Jenny Gleason) for the University of Kansas, Department of Ecology and BIOL 628 Evolutionary Biology; Evolution in the Fossil Record. Lawrence, Kansas, February 10.

1. 2001 Invited Speaker, The Evolutionists Group (composed of leading KU scientists): Traces of Hidden Biodiversity in the Geologic Record—Its Significance in Understanding Evolution. Alvamar Country Club, December 4.

C. Grants and/or other Funded Projects

External Funding—All Proposals are Refereed & Competitive; none invited or stimulus \$

1. Funded Proposals

6. Project/Proposal Title: Collaborative Research: Unlocking secrets of Earth's largest sand sea: Paleoenvironmental records of the Lower Jurassic Navajo Sandstone, Colorado Plateau, USA

Source of Support: National Science Foundation

Total Award Amount: \$114,000

Total Award Period Covered: 02/01/2015 – 01/31/2018

Location of Project: The University of Kansas, Lawrence, Kansas

Person-Months Per Year Committed to the Project: Su: 0.5

5. Project/Proposal Title: Developing Virtual and Physical Models to Enhance Conceptualization of Earth Surface Structures in Undergraduate Geoscience Classes

Source of Support: National Science Foundation

Total Award Amount: \$198,834

Total Award Period Covered: 07/01/11 – 06/30/13

Location of Project: The University of Kansas, Lawrence, Kansas

Person-Months Per Year Committed to the Project: Sumr: 0.5

[PI—Dan Hirmas (KU); CoPIs—Hasiotis, Johnson, Slocum (all KU)]

4. Project/Proposal Title: Paleoenvironmental and Paleoclimatic Analysis of the Beacon Supergroup, Beardmore Glacier area, Central Transantarctic Mountains, Antarctica

Source of Support: National Science Foundation—OPP/ANT 0944282

Total Award Amount: \$399,868

Total Award Period Covered: 09/01/10 – 08/31/2013

Location of Project: The University of Kansas, Lawrence, Kansas

Person-Months Per Year Committed to the Project: Sumr: 2.0

[PI—Hasiotis]

-----Last Promotion-----

3. Project/Proposal Title: Archiving the History of Life: High-Density Storage to Solve Space Needs for an Invertebrate Paleontology Research and Teaching Collection

Source of Support: National Science Foundation

Total Award Amount: \$251,708

Total Award Period Covered: 07/01/04 – 12/31/06

Location of Project: The University of Kansas, Lawrence, Kansas

Person-Months Per Year Committed to the Project: None

[PI–Kaesler; CoPIs–Hasiotis, Lieberman]

2. Project/Proposal Title: Collaborative Research: Integrated Study Linking Paleosol Biotic Communities and Ancient Alluvial Landscapes

Source of Support: University of Colorado /National Science Foundation

Total Award Amount: \$186,955

Total Award Period Covered: 06/01/03 – 05/31/06

Location of Project: The University of Kansas, Lawrence, Kansas

Person-Months Per Year Committed to the Project: Sumr: 2.0

[PI–Hasiotis; CoPIs–Kraus (CU Boulder)]

1. Project/Proposal Title: Linking Biota, Soils, and the Soil-Water Budget in Kansas: Identification of Ichnologic Signatures of Modern and Ancient Climates

Source of Support: Kansas NSF EPSCoR First Awards

Total Award Amount: \$50,000

Total Award Period Covered: 05/01/02 – 06/030/03

Location of Project: The University of Kansas, Lawrence, Kansas

Person-Months Per Year Committed to the Project: Sumr: 2002 – 2.0, 2003 – 1.0

[PI–Hasiotis]

2. Proposals Under Review

1. 7. Project/Proposal Title: (this proposal): Installation of an Integrated Instrumentation Array to Enhance Collaborative Research and Teaching at the University of Kansas Field Station

Source of Support: National Science Foundation

Total Award Amount: \$721,063

Total Award Period Covered: 09/01/2018 – 08/31/2021

Location of Project: The University of Kansas, Lawrence, Kansas

Person-Months /Year: None

8. 2000: The paleoenvironmental significance and distribution of trace fossils in deep-water reservoir and non-reservoir rocks in core from West Africa ExxonMobil Corporation Research Contracts with the Upstream Research Company and Upstream Production Company, Houston, Texas, (\$30,000)
7. 2000: Triassic and Jurassic continental depositional systems from their updip source to downdip terminations in wholly continental basins Shell Exploration and Production Company (United Kingdom) (\$12,000)
6. 1999: Carl O. Dunbar Visiting Scholar Award, Peabody Museum of Natural History, Yale University, New Haven, Connecticut; Research award to study the trace fossils in the invertebrate and vertebrate collections in the Peabody Museum (\$500)
5. 1999: Charles Schuchert Grant-in-Aid Award, Peabody Museum of Natural History, Yale University, New Haven, Connecticut; Research award to study the trace fossils in the invertebrate and vertebrate collections of the Invertebrate and Stratigraphic Sections in Peabody Museum (\$500)
4. 1998: Carl O. Dunbar Visiting Scholar Award, Peabody Museum of Natural History, Yale University, New Haven, Connecticut; Research award to study the trace fossils in the invertebrate and vertebrate collections in the Peabody Museum (\$1000)
3. 1998: Petrified Forest National Park and Petrified Forest Museum Association Research Fellowship Award for a compilation (for the public) on ichnofossil discoveries and significance to evolutionary biology and earth science (\$8,000)
2. 1997: Post-Doctoral Research Fellowship with Exxon Production and Research Company, Houston, Texas, for one to two years with the Fluvial/Tidal Group for the development of continental ichnology and paleopedology in petroleum exploration and production. Also part of the research team for the development of continental sequence stratigraphy and its application to exploration and production in new and proven fields (\$110,000)
1. 1997: NSF Post-Doctoral Research Award - "Collaborative investigation of earliest crayfish: paleobiologic, paleoecologic, and paleoclimatic implications" National Science Foundation Antarctic Program, OPP-9614709 (\$54,949) with Drs. Molly Miller, Loren Babcock, John Isbell, Jim Collinson

Internal Funding

3. 2009: University of Kansas Graduate Research Fund for the Physical Sciences; Project Title: *Distribution of tracemaking biota in arid climate ephemeral lake and terminal-splay complex environments, Lake Eyre Basin, Australia*. Research conducted in the Simpson Desert and Lake Eyre, in the northeastern and northwestern parts of the basin. Internal award; award period: 07/01/09–6/30/10. (\$3,032)

-----Last Promotion-----

2. 2004: University of Kansas Graduate Research Fund for the Physical Sciences; Project Title: *Using the distribution of bottom-dwelling organisms in modern lakes as an analog to understanding organism-substrate interactions in ancient lake deposits*. Research conducted in Lake Tanganyika and adjoining rivers, Tanzania, Africa. Internal award; award period: 07/01/04 – 6/30/05. (\$8,232)
1. 2002: New Faculty General Research Fund Award, *Linking Soils, Soil Biota, Soil Water Budget, and Climate in the Simpson Desert near Alice Springs, Northern Territory, Australia*. Research conducted with Mary Bourke, Oxford University, England. Award Period: 6/01/02-5/31/03. (\$9984)

D. Honors and Awards For Research

14. 2013: SEPM-Nexen Student Poster 2013 Excellence Award for Jackson, A. M., Hasiotis, S.T., Flaig, P.P., and Isbell, J.L., 2013, “Ichnology and Sedimentology of the Lower Permian Mackellar Formation at Turnabout Ridge and Buckley Island, Beardmore Glacier, Central Transantarctic Mountains (CTAM), Antarctica: A Shallow Deltaic Marine Environment”, AAPG National Meeting, Pittsburg, Pennsylvania.
13. 2012: Recipient of the Jan F. and Mary van Sant Geology Excellence Award, Department of Geology, University of Kansas, for excellence in research, teaching, and service.
12. 2009: Elected as a Fellow of the Geological Society of America (GSA) for a distinguished research and international reputation in Ichnology and recognized leading expertise in Continental Ichnology. Confirmed July 1, 2009, and recognized at the GSA national meeting in Portland, Oregon, on October 18, 2009.
11. 2008: PALAIOS 2007 Honorable Mention for Best Paper: Hembree, Daniel I., and Hasiotis, Stephen T., 2007, Paleosols and ichnofossils of the White River Formation of

Colorado: Insight into soil ecosystems of the North American Midcontinent during the Eocene-Oligocene transition: *PALAIOS*, v. 22, no. 2, p. 123–142.

10. 2008: 2003–2007—Most Cited Author in Palaeogeography, Palaeoclimatology, Palaeoecology, Elsevier, Netherlands. Award bestowed on January 18, 2008.
9. 2007: SEPM Best Poster Honorable Mention for “Counts, J. W. and Hasiotis, S. T., Neoichnologic experiments with modern scarabaeid beetle larvae: implications for backfilled trace fossils in Permian continental deposits, Hugoton Gas Field, western Kansas,” AAPG Annual Meeting, Long Beach, California.
8. 2005: Recipient of the Jan F. and Mary van Sant Geology Excellence Award, Department of Geology, University of Kansas, for excellence in research, teaching, and service.

-----KU & Last Promotion-----

6. 1997: University of Colorado Graduate Student Research and Creative Works Awards; University-wide competition for excellence and creativity in research of the highest standard (\$1000)
5. 1995: Department of Geological Sciences W. O. Thompson Research Scholarship for Graduate Student Research for the Recognition of Outstanding Performance in the Earth Sciences (\$700)
4. 1995: Rocky Mountain Paleontological Society Award, Best Student Paper in Paleontology, "Triassic Hymenopterous nests: Insect eusociality predates Angiosperm plants", Geological Society of America, Rocky Mountain Section Meeting, Bozeman, Montana
3. 1995: U. S. Geological Survey, Branch of Paleontology and Stratigraphy, Best Paper of the Year Award, "Termite (Insecta: Isoptera) nest ichnofossils from the Triassic Chinle Formation, Petrified Forest National Park, Arizona" (*Ichnos*, 4:1-12)
2. 1995: American Federation of Mineralogical Societies Scholarship Foundation, Inc. (\$4,000) - Dr. William Cobban Invertebrate Paleontologist Honorary Award
1. 1993: Colorado Scientific Society's Best Paper of the Year, "Crayfish and their burrows: The antiquity of behavior"

SERVICE

A. University of Kansas Service

- 2011–present Nomination Committee, Department of Geology
- 2011–present Department Representative to the KU Center for Science Education
- 2010–2011 Senior Advisor, Department of Geology
- 2009–2010 Junior Advisor, Department of Geology
- 2009–present Undergraduate Studies Committee, Department of Geology
- 2008–present Faculty Advisor; Student Chapter of the American Association of Petroleum Geologist
- 2008–2009 Sophomore Advisor, Department of Geology
- 2007–present Field Camp Committee, Department of Geology
- 2007–2008 Freshman Advisor, Department of Geology
- 2006–2008 Honors Coordinator, Department of Geology
- 2006–2007 5th-year Senior Advisor, Department of Geology
- 2005–2006 Senior Advisor, Department of Geology
- 2004–present University-Industry Liaison Committee, Department of Geology
- 2004–present Department of Geology Liaison to School of Education Earth/Space Science Program (point person Dr. Jim Ellis)
- 2004–2010 Center for Excellence in Teaching Ambassador, Department of Geology
- 2003–2009 Center for Excellence in Teaching Science Working Group Committee (a.k.a. ProSem); served as cochair with Dr. Steven Shawl

B. Professional Service outside the University—relevant to promotion

Local and State

- 2008 Lecture (invited by Nora Murphy) for middle school students at Central Middle School, Lawrence, Kansas, “New Evidence of Dinosaurs and Ecosystems at High Paleolatitudes: Denali National Park, Alaska,” March 25.
- 2008 Lecture and hands-on activity (invited by Krin Bowmen) for the morning and afternoon kindergarten class of Quail Run Elementary School, Lawrence, Kansas; “Dinosaurs: Plant Eaters, Insect Eaters, and Meat Eaters,” March 7.
- 2006 Lecture and hands-on activity (invited by Nancy Dietze) for the 6th grade science classes of Quail Run Elementary School, Lawrence, Kansas; “Paleontology—Integration of Biology, Ichnology, and the Record of Evolution,” April 7.

Regional

2005–2010 Field trips (also with Paul Enos) for Sedimentology-Stratigraphy classes of Dr. Daniel Lehrman, Central Michigan University, Pennsylvania Cyclothems in the Midcontinent—A record of eustatic sea-level change, Clinton Spillway, Lawrence, KS.

National

2012–2015 Member of the Geological Society of America's Committee of Nominations. Member-at-Large.

2010–2012 Chair of the Academic Liaison Committee for the American Association of Petroleum Geologists (AAPG); appointment to 2012.

2008–2010 Cochair of the Academic Liaison Committee for the American Association of Petroleum Geologists (AAPG).

2008–2012 Board member of the SEPM Foundation, Lawrence, Kansas; appointment to 2012.

2004–2006 Member of the Geological Society of America's Research Grant Committee.

2004–2006 Member of the Paleontological Society's Nominating Committee.

International

2008–present Editorial Board member for the professional, peer-reviewed journal *Geologia Croatica*, Journal of the Croatian Geological Survey; appointment to 2012.

2005–present Editorial Board member for the professional, peer-reviewed journal *University of Kansas Paleontological Contributions, New Series*, published by the Paleontological Institute, University of Kansas, Lawrence, Kansas.

2010–2014 Editorial Board member for the professional, peer-reviewed journal *Geological Society of America Bulletin* published by the Geological Society of America; appointment to 2012.

2006–2013 Coeditor of *PALAIOS*, an international peer-reviewed journal published by SEPM (Society of Sedimentary Geologists); appointment 2014 (see supplemental materials).

2004–2006 Editorial Board member for the professional, peer-reviewed journal *Geology*, published by the Geological Society of America.

2002–present Short Course Instructor, SEPM Short Course #51 Continental Trace Fossils, taught to undergraduate and graduate students at universities, government and industry institutions, and professionals at national and international scientific meetings (see list of invited short courses).

C. Honors and Awards for Service

N/A