

(Revised 9/10/2018)

CURRICULUM VITAE: STEVEN L. FORMAN

Dept. of Geosciences
 Baylor University
 One Bear Place #97354
 Waco, Texas 76798

Phone: 254-710-2495, Fax: 254-710-2673

E-mail: Steven_Forman@Baylor.edu

Web page: <http://www.baylor.edu/geology/>**PERSONAL DETAILS**

Born: July 26, 1958; Detroit, Michigan; U.S.A. Citizen

Children: Jacob Schneider Forman (9/23/88) & Emma Schneider Forman (2/3/94)

EDUCATION*B.Sc. in Geology* (with distinction), University of Illinois-Urbana, Illinois, May 1981. Senior Honors Thesis:

Quaternary till, loess, and soil stratigraphy Athens North Quarry, Menard County, Illinois.

Ph.D. in Geological Sciences, University of Colorado, Boulder, December 1986. Dissertation: Quaternary glacial, marine, and soil-developmental history of the Forlandsund area, Spitsbergen, Svalbard.**CAREER***2014 to present*: Professor of Geosciences/Paleoclimatology, Dept. of Geosciences, Baylor University, Waco, Texas and Director of Geoluminescence Dating Research Laboratory.*1999 to 2014*: Professor, Department of Earth and Environmental Sciences, University of Illinois at Chicago, Director, Luminescence Dating Research Laboratory.*1999 to 2001*: Acting & founding Director of the Institute of Environmental Science and Policy, University of Illinois at Chicago.*1996 to 1999*: Associate Professor (tenured), Department of Earth and Environmental Sciences, University of Illinois at Chicago.*1991 to 1996*: Research Scientist, Byrd Polar Research Center, The Ohio State University Columbus, Ohio.*1991 to 1996*: Adjunct Assistant Professor, Dept. of Geological Sciences, The Ohio State University, Columbus, Ohio.*1988 to 1991*: Assistant Professor (attend. rank), Dept. of Geological Sciences, Univ. of Colorado, Boulder.*1986 to 1991*: Fellow and Director of Thermoluminescence Dating Research Laboratory,

Center for Geochronological Research, Institute of Arctic & Alpine Research, Univ. of Colorado, Boulder.

1984 to 1985: Research Associate, Thermoluminescence Dating Laboratory, Sub-Department of Quaternary Research, University of Cambridge, Cambridge, England.*1981 to 1984*: Graduate Research Assistant, Institute of Arctic and Alpine Research, Amino Acid Geochronology Laboratory, University of Colorado, Boulder.*1981*: Physical Scientist, Cold Regions Research & Engineering Laboratory, Army Corps of Engineers, Hanover, New Hampshire.*1979 to 1981*: Laboratory Assistant, Industrial Minerals Section, Illinois State Geological Survey, Urbana, Illinois.*1977 to 1978*: Field Archaeologist, Dept. of Anthropology, Western Illinois Univ., Macomb, IL**PROGRAMMATIC ACCOMPLISHMENTS***1994-1996*: Established an Office Naval Research sponsored Arctic Sediment Core Repository Facility at Byrd Polar Research Center, The Ohio State University with initial funding of \$0.5 m.*1995-2003*: Initiated and developed the NSF program: "Russian-American Initiative on Shelf-Land Environments in the Arctic (RAISE)."*1996-2001*: Established multidisciplinary whole campus Institute of Environmental Science and Policy at the University of Illinois at Chicago with initial funding of \$1.5 m.*1996-present*: Established and operate Geoluminescence Dating Research Facility; 2 full time technicians, 1-3 Graduate students and 1-3 undergraduate students with an annual operating budget of ~ \$250 k.*2000-2004*: Developed and established new PhD program in Earth and Environmental Sciences at the University of Illinois at Chicago.*2006-2011*: Developed and secured NSF funding (~\$2.8 m) with colleagues in Biological Sciences, Civil Engineering and Planning and Public Policy for a new IGERT (Integrated Graduate Education and Research and Training) PhD program called "LEAP" (Landscapes, Ecosystems, Anthropogenic Processes).

HONORS AND AWARDS

- 1998: Gladys W. Cole Research Award, Geol. Society of Amer., Quaternary Geology & Geomorphology Division
 1999-2000: Committee for Institutional Cooperation Academic Leadership Fellowship
 2002-2003: Institute of Environmental Science and Policy Faculty Fellowship, Univ. of Illinois at Chicago.
 2014-2015: Chinese Academy of Sciences Visiting Scholar Fellowship, Institute of Geology and Geophysics, Beijing

NATIONAL AND INTERNATIONAL PROFESSIONAL SERVICE AND RECOGNITION

- 1988: Co-Organizer 18th Annual Arctic Workshop, Boulder, CO
 1989-91: Earth Science Proposal Review Panel, National Science Foundation, Polar Programs
 1990: Co-Leader Colorado Scientific Society Annual Field Trip, "Environmental Systems of the High Plains of Northeastern Colorado"
 1990: Co-Leader Midwest Friends of the Pleistocene field trip, western Iowa
 1990: Invited attendee Geological Society of America Penrose Conference
 "New Methods of Dating Geomorphic Surfaces"
 1990-1993: Editorial Board of *Geology*, The Geological Society of America
 1992-1995: Research Affiliate, INSTAAR, Univ. of Colorado, Boulder, CO
 1992: Invited attendee NOAA Workshop on Global Ice Sheet Reconstruction
 1993: Co-Organizer 23rd Annual Arctic Workshop, Columbus, OH
 1993-1998: Editorial Board of *Quaternary Geochronology*; Book Review Editor
 1994-1997: Member of NASA Antarctic Mapping Advisory Group
 1993-1996: Editorial Board of *Geology*, The Geological Society of America
 1994: Member of Nuclear Regulatory Commission Panel "Geochronology and Paleoseismology"
 1994: Interdisciplinary Proposal Review Panel, National Science Foundation, Office of Polar Programs
 1995: Organizer for National Science Foundation-Arctic System Science Workshop
 "To Define Research Priorities for Russian Arctic Land-Shelf Systems"
 1995: National Science Foundation, Office of Polar Programs Panel to develop American-Russian Bilateral Program in the Arctic
 1995-1997: Co-chair on National Science Foundation-Arctic System Science Program Panel to develop American-Russian Research Program in the Arctic.
 1996: American Geological Institute, *Glossary of Geology* reviewer (Glacial Geology)
 1996: Invited discussion leader for National Science Foundation Planning Workshop on
 "Terrestrial aspects of Earth System History"
 1996: Invited Working Group co-chair, National Science Foundation, Arctic System Science, All Hands Workshop.
 1997: Invited contributor to *Encyclopedia of Quaternary Sciences* (Glaciation of Eurasia)
 1997-2000: Chair of NSF-Arctic System Science Initiative "Russian-American Initiative on Shelf-Land Environments in the Arctic (RAISE)"
 1997: Panel Member for "Future Prospects in Arctic Paleoenvironmental Science", Earth System History/Arctic System Science, NSF.
 1998: Co-Chair, Geological Society of America National Meeting thematic session on "Continental Ice Sheets: The Continuing Debate".
 1998: Instructor for International Course in Active Faulting and Paleoseismology, Luxembourg University and European Center for Geodynamics and Seismology
 1998: Data review for U.S. Geological Survey-Denver, Luminescence Dating Facility
 1998-2003: Research Associate, Dept. of Anthropology, and Field Museum of Natural History
 1998: Panel Member NSF-Paleoenvironmental Arctic Research for Arctic System Science, U.S. Global Change Research Program.
 1999: Invited attendee NOAA/NASA Workshop on "Assessing the Full Range of Central North American Droughts and Associated Land Cover Change"
 1999: Invited testimony to the International Joint Commission on "Anthropogenic and climate controls on Great Lakes water level"
 1999-2001: U.S. Representative for International Science Initiative in the Russian Arctic Advisory Group, International Arctic Science Committee (Polar Research Board).
 2000: NSF Joint Antarctic Glaciology/Antarctic Geology and Geophysics Proposal Review Panel
 2001: Organizing Committee for the International Conference "Sedimentologic processes and evolution of marine ecosystems in Arctic Seas" Murmansk, Russia, November 8-10, 2001.
 2001-2003: NSF Steering Committee for "Russian-American Initiative on Shelf-Land Environments in the Arctic (RAISE)"

- 2002: Organizing Committee for Midwest Environmental Chemistry Workshop, University of Illinois
- 2002: Review panel for Geology Program, Dept. of Geology, Indiana Univ.-Purdue University, Indianapolis, IN.
- 2003: Invited attendee Intergovernmental Panel for Climate Change/CLIVAR/PAGES Workshop on “Multi-Millennia perspective on drought and implications for the future.”
- 2004: Co-Organizer for NSF-Workshop on “the Amerasian Basin and its Margins.”
- 2004: Citation for GSA Geoarchaeology Ripp Rapp Award to Dr. Michael Waters.
- 2005: Citation for GSA Quaternary Geology and Geomorphology Easterbrook Award to Dr. Gifford Miller.
- 2005-2007: Visiting Professor, University of Course on Svalbard, Norway for a graduate class and field research course on Quaternary and marine geology of Spitsbergen, Norway.
- 2006-2008: Voted panel member of Quaternary Geology and Geomorphology Division, Geological Society of America.
- 2007: Invited panel member for Global Initiative Chicago, Energy, and Environment symposium. Harold Washington College, Chicago.
- 2007: National Science Foundation Review Panel for International Polar Year educational proposals.
- 2008: Invited Participant for Paleoamerican Origins Workshop, Univ. of Texas-Austin.
- 2013-present: Editorial Board: *Frontiers in Earth Sciences*
- 2013-present: Inaugural and lead Editor: *Frontiers in Quaternary Sciences, Geomorphology and Paleoenvironments*
- 2013-NSF Workshop, EarthCube domain end-user workshop: Bringing Geochronology into the EarthCube framework
- 2013: Invited Scholar Korea Basic Science Institute, Seoul, South Korea (October 9-15)
- 2014: Invited participant in International Atomic Energy Agency “Expert Mission on Paleoseismology of Active Thrust Faults, Santiago, Chile (January 8-14).
- 2017-present: Associate Editor for *Quaternary*

INVITED PRESENTATIONS/TEACHING

- 1990: Colorado Scientific Society, Denver, CO.
- 1992: State University of New York, Binghamton, Dept. of Geology
- 1992: University of Illinois, Urbana, Dept. of Geology
- 1993: Archeological Geology Division, National Geological Society of America Meeting
- 1994: USGS Workshop on “Paleoseismicity of the Holocene”
- 1995: National Science Foundation-Arctic System Science Workshop “Biological Initiative in the Arctic: Shelf-Basin Interactions”
- 1996: National Science Foundation Planning Workshop on “Terrestrial aspects of Earth System History”
- 1996: Earth Science Center, Gothenburg University, Sweden
- 1997: NSF Paleoclimate of Arctic Lakes and Estuary Workshop on arctic hydrology
- 1997: NSF Ocean-Atmosphere Interactions meeting, Arctic System Science Initiative
- 1998: Purdue Rare Isotope Measurement Laboratory, Purdue University
- 1998: University of Chicago, Dept. of Geophysical Sciences
- 1998: Keynote speaker at “International Symposium on Polar Aspects of Global Change”, Tromsø, Norway.
- 1998: Fall AGU Session “Paleoenvironmental Changes along the Northern Siberian Margin since the LGM
- 1999: Northern Illinois University, Department of Geosciences
- 1999: European Science Foundation Meeting "Quaternary Environments in the Eurasian North"
- 1999: Fall AGU Session "Assessing the Range of Central North American Droughts and Associated Land Cover Change"
- 2000: T. M. Stout Lecturer, Dept. of Geosciences, University of Nebraska-Lincoln
- 2001: European Union of Geosciences session on “Margins and Environments of the northern Eurasian Late Quaternary Ice Sheets”
- 2001: University of Illinois-Urbana, Dept. of Geology
- 2001: University of Pennsylvania, Dept. of Geology
- 2001: Indiana University, Geoscience Dept.
- 2001: Miami University, Dept. of Geology
- 2001: International Continental Scientific Drilling Program, El’gygytgyn Lake (Russia) Workshop
- 2001: Arctic System Science, Ocean-Atmosphere Interactions NSF Workshop
- 2002: University of South Carolina, South Carolina Institute of Archaeology and Anthropology
- 2002: Invited presenter NSF workshop “Holocene Thermal Maximum in the Arctic”
- 2003: University of Memphis, Dept. of Earth Sciences.
- 2003: Northern Illinois University, Department of Geosciences
- 2004: Baylor University, Waco, TX, Dept. of Geology
- 2004: Climate Research Program, Dept. of Atmospheric and Space Sciences, Univ. of Wisconsin, Madison

2004: Illinois State Museum, Springfield
 2005: Invited speaker for conference “Clovis in the Southeastern U.S.”, Univ. of S. Carolina, Columbia, SC
 2005: Invited lecturer Univ. of Buenos Aries, Argentina, Dept. of Geology
 2006: Keynote Speaker American Quaternary Association Biannual Meeting, Bozeman, Montana
 2006: Texas A & M University, College Station, TX, Dept. of Geography
 2006: University of Iowa, Iowa City, IA, Dept. of Geological Sciences
 2007: Invited lecturer, University of Santiago, Chile, Dept. of Geology
 2010: Invited lecturer, Univ. of Buenos Aries, Argentina, Dept. of Geology
 2005-2010: Visiting Professor, University on Svalbard, Norway
 2012: Visiting Professor, Dept. of Geology, University of Chile, Santiago, Chile
 2013: Dept. of Geology, Baylor University, Waco, Texas
 2013: Dept. of Archaeology, Seoul National University, Korea
 2014: Invited lecturer, University of Santiago, Chile, Dept. of Geology
 2014: Invited Lecturer, University of Buenos Aries, Argentina
 2014: Invited Lecturer, Lanzhou University, China
 2015: Invited Presenter, Society of American Archaeology, San Francisco, CA
 2017-2018: Planning Committee, 5th Asia Pacific Conference on Luminescence and Electron Spin Resonance Dating, Beijing, China Oct. 15-17, 2018

UNIVERSITY OF ILLINOIS AND DEPARTMENT SERVICE

1997-2003: Department of Earth & Environmental Science Advisory Committee
 1997-1998: Chair, UIC Environmental Summit Steering Committee
 1998-1999: Chair, Department Search Committee for a sedimentologist
 1998-1999: Chair, UIC Committee for establishing Inst. of Environmental Science & Policy
 1999-2000: Chair, Department Search Committee for a low-temperature geochemist
 1999-2000: Member of Provost's Committee on Science and Math Teacher Education
 1999-2004: Campus Research Board Proposal Review Panel (Nat. Sciences & Engineering)
 1999-2000: Dept. of Anthropology search committee for GIS-Geographer
 1999-2010: Member of UIC Green Campus Council (promotes environmentally sustainable practices)
 2000-2003: Director of Graduate Studies, Department of Earth and Environmental Sciences
 2000-2004: Member of Full Committee of the Campus Research Board & Chair of Natural Sciences & Engineering Subcommittee
 2001-2002: School of Public Health, Division of Environmental & Occupational Health Sciences Committee for search for Division Head.
 2002-2007: Steering Committee for Institute of Environmental Science and Policy.
 2002-2003: Chair, Department Search Committee for a remote sensing geophysicist
 2003: Review committee for Department of Physics Head
 2003-2006: Alternate Director of Graduate Studies, Department of Earth and Environmental Sciences
 2004-2006: Chair, Departmental Committee on web page
 2006-2007: Director of Undergraduate Studies, Department of Earth and Environmental Sciences
 2009-2011: Executive Committee, Graduate College

BAYLOR UNIVERSITY AND DEPARTMENT SERVICE

2014: Chair departmental committee for promotion guidelines from associate to full professor
 2015 to present: Advisory Board of Institute of Archaeology, Dept. of Anthropology
 2017 to present: Departmental committee for faculty awards and recognition

PROFESSIONAL SOCIETIES

American Geophysical Union, Geological Society of America, American Quaternary Association, Quaternary Research Association (UK), American Meteorological Society, Society of American Archaeology.

COURSES TAUGHT

Graduate: Glacial Geology, Quaternary Dating Methods, Environmental Geomorphology, Global Climate Change, Quaternary Geologic Systems, Current Topics in the Quaternary Sciences, Paleoclimatology, Terrestrial Ecology and Global Change, Synoptic and Dynamic Climatology, Geoarchaeology, Paleoseismology and Eolian Depositional Systems.

Undergraduate: Earth System Science (100 level), Honors Seminar: Climate Change, Science and Society, Environmental Geomorphology, Freshman Orientation Seminar.

PEER REVIEWED JOURNAL PUBLICATIONS

1. 1984: **Forman**, S. L. and Miller, G. H., Time-dependent soil morphologies and pedogenic processes on raised beaches, Brøggerhalvøya, Spitsbergen, Svalbard Archipelago. *Arctic and Alpine Research* 16(4), 381-394.
2. 1987: **Forman**, S. L., Mann, D. and Miller, G. H., Late Weichselian and Holocene relative sea-level history of Brøggerhalvøya, Spitsbergen, Svalbard. *Quaternary Research* 27(1), 41-50.
3. 1987: **Forman**, S. L., Wintle, A. G., Thorleifson, H. L. and P. H. Wyatt, Thermoluminescence properties and age estimates of Quaternary marine sediments from the Hudson Bay Lowland, Canada. *Canadian Journal of Earth Sciences* 24, 2405-2411.
4. 1987: Miller, G. H., Sejrup, H-P., Lehman, S. J. and **Forman**, S. L., The last glacial-interglacial cycle, western Spitsbergen, Svalbard. *Polar Research* 5, 279-280.
5. 1987: Lehman, S. J. and **Forman**, S. L., Glacier extent and sea level variation during the Late Weichselian on northwest Spitsbergen. *Polar Research* 5, 276-278.
6. 1988: **Forman**, S. L., The solar resetting of thermoluminescence of sediments in a glacier-dominated fiord environment in Spitsbergen: Geochronologic implications. *Arctic and Alpine Research* 20(2), 243-253.
7. 1988: **Forman**, S. L., Jackson, M. E., McCalpin, J. and Maat, P., The potential of using thermoluminescence to date buried soils in colluvial and fluvial sediments from Utah and Colorado, U.S.A.: Preliminary Results. *Quaternary Science Reviews* 7(3/4), 68-77.
8. 1989: **Forman**, S. L., Machette, M. N., Jackson, M. E. and Maat, P., Evaluation of thermoluminescence dating of paleoearthquakes on the American Fork Segment, Wasatch fault zone, Utah. *Journal of Geophysical Research* 94(B2), 1622-1630.
9. 1989: **Forman**, S. L., Late Weichselian glaciation and deglaciation of the Forlandsund area, western Spitsbergen, Svalbard. *Boreas* 18, 51-60.
10. 1989: **Forman**, S. L., Application and limitation of thermoluminescence to date Quaternary sediments. *Quaternary International* 1, 47-59.
11. 1989: Miller, G. H., Sejrup, H.P., Lehman, S. J. and **Forman**, S. L., Late Quaternary glacial history and marine environmental change, western Spitsbergen, Svalbard archipelago. *Boreas* 18, 273-296.
12. 1990: **Forman**, S. L., Thermoluminescence properties of fiord sediments from Engelskbukta, western Spitsbergen, Svalbard: A new tool for deciphering depositional environment? *Sedimentology* 37, 377-384.
13. 1990: **Forman**, S. L. and Maat, P., Stratigraphic record of eolian activity on the Piedmont of northern Colorado. *Geology* 18, 745-748.
14. 1990: **Forman**, S. L., Post-glacial relative sea-level history of northwestern Spitsbergen, Svalbard. *The Geological Society of America Bulletin* 102, 1580-1590.
15. 1991: **Forman**, S. L., Nelson, A. R. and McCalpin, J., Thermoluminescence dating of fault-scarp derived colluvium: deciphering the timing of paleoearthquakes on the Weber segment of the Wasatch fault zone, north central Utah. *Journal of Geophysical Research* 96(B1), 595-605.
16. 1991: McCalpin, J. and **Forman**, S. L., History of Quaternary faulting on the east Cache Fault zone, north-central Utah. *Bulletin of Seismological Society of America* 81(1), 139-161.
17. 1991: Ennis, G., **Forman**, S. L. and Bortolot, V. J., An internal computer network for thermoluminescence dating research laboratory. *Ancient TL* 9(1), 11.
18. 1991: **Forman**, S. L., Late Pleistocene chronology of loess deposition near Louchon, China. *Quaternary Research* 36, 19-28.
19. 1991: **Forman**, S. L. and Ennis, G., The effect of light intensity and spectra on the reduction of thermoluminescence of near-shore sediments from Spitsbergen, Svalbard: Implications for dating Quaternary water-lain sequences. *Geophysical Research Letters* 18(9), 1727-1730.
20. 1992: **Forman**, S. L., Goetz, A. F. H., and Yuhas, R. H., Large stabilized dunes on the High Plains of Colorado: Understanding the landscape response to Holocene climates with the aid of images from space. *Geology* 20, 145-148.
21. 1992: **Forman**, S. L. and Ennis, G. Limitations of thermoluminescence to date waterlain sediments from glaciated fiord environments on western Spitsbergen, Svalbard. *Quaternary Science Reviews* 11(1/2), 61-70.
22. 1992: Lehman, S. J. and **Forman**, S. L., Late Weichselian glacier retreat in Kongsfjorden west Spitsbergen, Svalbard. *Quaternary Research* 37, 139-154.
23. 1992: Jennings, A. E. and **Forman**, S. L., Thermoluminescence properties of a deglacial marine sequence from Cumberland Sound, Arctic Canada: Sedimentologic and geochronologic implications. *Marine Geology* 103, 111-123.
24. 1992: **Forman**, S. L., Bettis, E. A. III, Kemmis, T. J. and Miller, B. B., Chronologic evidence for multiple periods of loess deposition during the late Pleistocene in the Missouri and Mississippi Valley, United States:

- Implications for the activity of the Laurentide ice sheet. *Paleogeography, Paleoclimatology, Paleoecology* 93, 71-83.
25. 1992: **Forman**, S. L., Reply to Post-glacial relative sea-level history of northwestern Spitsbergen: Alternative Interpretation. *The Geological Society of America Bulletin* 104, 1064-1066.
 26. 1992: Salvigsen, O., **Forman**, S. L. and Miller, G. H., The occurrence of extra-limital thermophilous molluscs on Svalbard during the Holocene and paleoclimatic implications. *Polar Research* 11, 1-10.
 27. 1993: **Forman**, S. L., Lehman, S. J. and Briggs, W., Assessing the completeness of the deglacial-marine stratigraphic record on west Spitsbergen by accelerator mass spectrometry radiocarbon dating. *Boreas* 22, 1-6.
 28. 1993: **Forman**, S. L., Smith, R. P., Hackett, W., Tullis, J. and McDanial, P., Age of loess deposition on the eastern Snake River Plain, Idaho: Evidence for the timing of late Quaternary glaciations in the western U.S. *Quaternary Research* 40, 30-37.
 29. 1994: McCalpin, J., **Forman**, S. L. and Lowe, M. V., Reevaluation of Holocene faulting at the Kaysville site, Weber segment of the Wasatch fault zone, Utah. *Tectonics* 13(1), 1-16.
 30. 1994: Pierson, J., **Forman**, S. L., Lepper, K., Conley, G., A variable narrow bandpass optically stimulated luminescence system for Quaternary geochronology. *Radiation Measurements* 23(2/3), 533-536.
 31. 1994: **Forman**, S. L., Pierson, J., Smith, R.P., Hackett, W.R., and Valentine, G., Assessing the accuracy of thermoluminescence to date baked sediments beneath late Quaternary lava flows, Snake River Plain, Idaho. *The Journal of Geophysical Research* 99 (B8), 15569-15576.
 32. 1994: **Forman**, S. L., Lepper, K. and Pierson, J., Limitations of infrared stimulated luminescence (IRSL) to date high Arctic marine sediments. *Quaternary Science Reviews* 13 (5-7), 545-550.
 33. 1995: **Forman**, S. L., Lubinski, D., Miller, G. H., Matishov, G., Snyder, J., Myslivets, V. and Korsun, S., Post glacial emergence and distribution of Late Weichselian ice sheet loads in the northern Barents and Kara Seas, Russia. *Geology* 23(2), 113-116.
 34. 1995: **Forman**, S. L., Oglesby, R., Markgraf, V. and Stafford, T., Paleoclimatic significance Late Quaternary eolian deposition on the Piedmont and High Plains, central United States. *Global and Planetary Change* 11(1-2), 35-55.
 35. 1995: Korsun, S.A., Pogodina, I. A., **Forman**, S. L. and Lubinski, D. J., Recent foraminifera in glaciomarine sediments from three arctic fjords for Novaja Zemlja and Svalbard. *Polar Research* 14(1), 15-31.
 36. 1996: Reneau, S., Gardner, J. N. and **Forman**, S. L., New evidence for the age of the youngest eruptions in the Valles Caldera, New Mexico. *Geology* 24 (1), 7-10.
 37. 1996: Berkman, P. A. and **Forman**, S. L., Pre-bomb radiocarbon and reservoir correction for calcareous marine species in the Southern Ocean. *Geophysical Research Letters* 23(4), 363-366.
 38. 1996: Kaufman, D.S., **Forman**, S. L., Lea, P. D., and Wobus, C. W., Age of pre-late Wisconsin glacial-estuarine sedimentation Bristol Bay, Alaska. *Quaternary Research* 45 (1), 59-72.
 39. 1996: Snyder, J., Korsun, S. A., and **Forman**, S. L., Postglacial emergence and the Tapes Transgression, in north-central Kola Peninsula, Russia. *Boreas* 25, 47-56.
 40. 1996: **Forman**, S. L., Lubinski, D., Miller, G. H., Matishov, G. G., Korsun, S., Snyder, J., Herlihy, F., Weihe, R., and Myslivets, V., Postglacial emergence of western Franz Josef Land, Russia and retreat of the Barents Sea ice sheet. *Quaternary Science Reviews* 15 (1), 77-90.
 41. 1996: Lubinski, D. J., Korsun, S. Polyak, L. **Forman**, S. L., Lehman, S. J., Herlihy, F. A. and Miller, G. H. The last deglaciation of the Franz Victoria Trough, northern Barents Sea, from piston core evidence. *Boreas* 25: 89-100.
 42. 1997: Waters, M. R., **Forman**, S. L., and Pierson, J., Diring Yuriak: A Lower Paleolithic site in Central Siberia. *Science* 275, 1291-1284.
 43. 1997: **Forman**, S. L. and Polyak, L., Radiocarbon content of pre-bomb marine mollusks and variations in the ¹⁴C reservoir ages for coastal areas of the Barents and the Kara seas, Russia. *Geophysical Research Letters* 24 (8), 885-888.
 44. 1997: Rodbell, D. T., **Forman**, S. L., Pierson, J. and Lynn, W. C., Loess and paleosol stratigraphy, magnetic susceptibility, and thermoluminescence age estimates of Mississippi Valley loess in western Tennessee. *The Geological Society of America Bulletin* 109(9), 1134-1148.
 45. 1997: **Forman**, S. L., Weihe, R., Lubinski, D., Tarasov, G., Korsun, S., and Matishov, G., Holocene relative sea-level history of Franz Josef Land, Russia: *The Geological Society of America Bulletin* 109(9), 1116-1133.
 46. 1997: Polyak, L., Forman, S. L., Herlihy, F. A., Ivanov, G., Krinitsky, P., Late Quaternary sedimentary environments and deglaciation history of the Svyataya (Saint) Anna Trough, Kara Sea, Russia. *Marine Geology* 143 (1-4), 169-188.

47. 1997: Snyder, J. A., **Forman**, S. L., Mode, W. N., and Tarasov, G. A., Postglacial relative sea level history from sediment and diatom records of emerged coastal lakes, north-central Kola Peninsula, Russia. *Boreas* 26(4), 329-346.
48. 1998: McFadden, L.D., McDonald, E. V., Wells, S. G., Anderson, K., Quade, J. and **Forman**, S. L., The vesicular layer and carbonate collars of desert soils and pavements: formation, age and relation to climate change. *Geomorphology* 24 (2-3), 101-145.
49. 1999: Lubinski, D. J., **Forman**, S. L., and Miller, G.H., Holocene glacier and climate fluctuations on Franz Josef Land, Arctic Russia, 80° N. *Quaternary Science Reviews* 18(1), 87-108.
50. 1999: **Forman**, S. L., Infrared and red stimulated luminescence dating of late Quaternary near shore sediments from Spitsbergen, Svalbard. *Arctic, Antarctic, and Alpine Research* 31(1), 34-49.
51. 1999: Hald, M., Kolstad, V., Polyak, L., **Forman**, S. L., Herlihy, F. A., Ivanov, G., and Nescheretov, A., Late-glacial and Holocene paleoceanography and sedimentary environments in the St. Anna Trough, Eurasian Arctic Ocean margin. *Paleogeography, Paleoclimatology, Paleoecology* 146(1-4), 229-249.
52. 1999: Waters, M. R., **Forman**, S. L., and Pierson, J., Geoarchaeological Studies at Diring Yuriak: A Lower Paleolithic site in central Siberia. *Quaternary Research* 51(2), 195-211.
53. 1999: **Forman**, S. L., Lubinski, D. J., Zeeberg, J. J., Polyak, L., Miller, G. H., Matishov, G. G. and Tarasov, G., Postglacial emergence and Late Quaternary glaciation on northern Novaya Zemlya, Arctic Russia. *Boreas* 4, 133-145.
54. 1999: Waters, M. R., **Forman**, S. L. and Pierson, J. M., A comment on "More about Diring Yuriakh: Unsolved geoarchaeological problems at a 'Lower' Paleolithic site in central Siberia." *Geoarchaeology* 14(4), 361-364.
55. 1999: Miller, G. H., Mode, W. N., Sauer, P. E., Wolfe, A. P., Bennike, O., **Forman**, S. L., Short, S. K., Stafford, Jr., T.W., and Williams, K. M., Stratified interglacial lacustrine sediments from Baffin Island, Arctic Canada: Chronology and paleoenvironmental implications. *Quaternary Science Reviews* 18, 789-810.
56. 1999: Harrison, R. W., Hoffman, D., Vaughn, J. D., Palmer, J. R., Wiscombe, C. L., McGeehin, J. P., Stephenson, W. J., Odum, J. K., Williams, R. A., and **Forman**, S. L., An example of neotectonism in a continental interior-Thebes Gap, midcontinent, United States. *Tectonophysics* 305 (1-3), 399-417.
57. 1999: Andersson, T. A., **Forman**, S. L., Ingolfsson, O. and Manley, W. F., Glacial history of central Prins Karls Forland, western Svalbard. *Boreas* 28, 292-307.
58. 1999: **Forman**, S. L., Ingolfsson, O., Manley, W. F., Lokrantz, H., Late Quaternary stratigraphy of Marresale, Yamal Peninsula, Russia: New constraints on the configuration of the Eurasian ice sheet. *Geology* 27, 807-810.
59. 2000: **Forman**, S. L. and Ingolfsson, O., Late Weichselian glacial history and postglacial emergence of Phippsøya, Sjuøyane, northern Svalbard: A comparison of modeled and empirical estimates on a glacial-rebound hinge-line. *Boreas* 16 (1), 16-25.
60. 2000: Smith, J.N., Ellis, K.M., Polyak, Ivanov, G., **Forman**, S. L., and Moran, S. B. ^{239,240}Pu transport into the Arctic Ocean from underwater nuclear tests in Chernaya Bay, Novaya Zemlya. *Continental Shelf Research* 20 (3), 255-279.
61. 2000: MacDonald, G. M., Kremenetski, Velichko, A. A., Cwynar, L. C., Riding, R. T., Golieva, A., Andreev, A. A., Borisova, O. K., Edwards, T. W. D., Hammarland, D., Szeicz, J. M., **Forman**, S. L., and Gataullin, V., Holocene tree line history and climate change across northern Eurasia: New evidence from radiocarbon dated tree macrofossils. *Quaternary Research* 53 (3), 302-311.
62. 2000: Wolfe, B. B., Edwards, T. W.D., Aravena, R., **Forman**, S. L., Warner, B. G. and MacDonald, G. M., Holocene paleohydrology and paleoclimate at treeline, north-central Russia, inferred from oxygen isotope records in lake sediment cellulose. *Quaternary Research* 53 (3), 302-311.
63. 2000: **Forman**, S. L., Maslowski, W., Andrews, J. T., Lubinski, D., Steele, M. Zhang, X. Lammers, R. and Peterson, B., Land-Ocean Connections: The effect of Arctic fresh water fluxes and bathymetry Variations on Ocean Circulation. *EOS, Transaction American Geophysical Union* 18(16), p. 169 & 174.
64. 2000: MacDonald, G. M., Felzer, B., Finney, B. P. and **Forman**, S. L., Holocene Lake Sediment Records of Arctic Hydrology. *Journal of Paleolimnology* 24 (1), 1-13.
65. 2000: Doran, P. D. and **Forman**, S. L., Ideas about the surface runoff features on Mars. *Science* 290, 713-714.
66. 2000: Doran, P.D., **Forman**, S. L. and Sturchio, N., Geologic Time on Mars, *EOS, Transaction American Geophysical Union* 81(44): 533, 535.
67. 2000: Wolfe, A. P., Frechette, B. Richard, P. J. H., Miller, G. H. and **Forman**, S. L., Paleoecological assessment of > 90,000-year sequence from Fog Lake, Baffin Island, Arctic Canada. *Quaternary Science Reviews* 19, 1677-1699
68. 2000: **Forman**, S. L., Lubinski, D. and Weihe, R. R., Holocene occurrence of reindeer on Franz Josef Land, Russia. *Holocene* 10(6), 763-768.

69. 2000: Cox, R. T., Van Arsdale, R. B., Harris, J. B., **Forman**, S. L., Beard, W. and Galluzzi, J., Quaternary faulting in the Southern Mississippi Embayment and implications for regional tectonics. *The Geological Society of America Bulletin* 112: (11) 1724-1735.
70. 2000: Snyder, J. A., MacDonald, G. M., **Forman**, S. L., Tarasov, G. A., Mode, W. N., Postglacial climate and vegetation history, north-central Kola Peninsula, Russia: Pollen and diatom records from Lake Yarnyshnoe-3. *Boreas* 29: 261-271.
71. 2000: Anderson, T., **Forman**, S. L., Ingolfsson, O. and Manley W. F., Stratigraphic and morphologic constraints on the Weichselian glacial history of northern Prins Karl Forland, western Svalbard. *Geografiska Annaler Series A* 82A (4), 455-470.
72. 2001: Kaufman, D.S., Manley, W.F., **Forman**, S. L., Layer, P., Pre-late-Wisconsin glacial history, coastal Ahklun Mountains, southwestern Alaska-New amino acid, thermoluminescence, and $^{40}\text{Ar}/^{39}\text{Ar}$ results. *Quaternary Science Reviews* 20, 337-352.
73. 2001: Zeeberg, J. J. and **Forman**, S. L., Changes in glacier extent on north Novaya Zemlya in the twentieth century. *Holocene* 11(2), 161-175.
74. 2001: Kaufman, D.S., Manley, W.F., Wolfe, A. P., Sheng Hu, F., Preece, J. S., Westgate, J. A., and **Forman**, S.L. The last interglacial to glacial transition, Togiak Bay, southwestern Alaska. *Quaternary Research* 55(2), 190-202.
75. 2001: **Forman**, S. L., Oglesby, R. and Webb, R., Patterns of Holocene Dune activity on the Great Plains of North America: Megadroughts and Climate Links. *Global and Planetary Change* 29, 1-29.
76. 2001: Zeeberg, J.J., Lubinski, D. J. and **Forman**, S. L., Holocene relative sea level history of north Novaya Zemlya - implications for Late Weichselian ice sheet loading. *Quaternary Research* 56, 218-230.
77. 2001: Manley, W. F., Lokrantz, H., Gataullin, V., Ingolfsson, O., **Forman**, S. L. and Anderson, T. Late Quaternary stratigraphy, radiocarbon chronology and glacial history at Cape Shpindler, southern Kara Sea, Arctic Russia. *Global and Planetary Change* 31, 239-254
78. 2001: Andreev, A. A., Manley, W. F., Ingolfsson, O. and **Forman**, S. L., Environmental change on Yugorski Peninsula, Kara Sea, Russia, during the last 12,500 years. *Global and Planetary Change* 31, 255-264.
79. 2001: Kaufman, D. S., **Forman**, S. L. and Bright, J., Age of the Cutler Dam (late Pleistocene) Alloformation, Bonneville Basin. *Quaternary Research* 56 (3), 322-334.
80. 2001: Washburn, Z., Arrowsmith, R., **Forman**, S. L., Cowgill, E., Fung, W. X. Zhang, Y. and Zhengle, C. Recent earthquake history of the central Altyn Tagh Fault: Implications for lower rates of seismicity in the last 2-3 ka. *Geology* 29 (11), 1051-1054.
81. 2001: Lubinski, D. J., Polyak, L. and **Forman**, S. L., Deciphering the latest Pleistocene and Holocene inflows of freshwater and Atlantic water to the deep northern Barents and Kara seas: Foraminifera and stable isotopes. *Quaternary Science Reviews* 20, 1851-1879.
82. 2002: **Forman**, S. L., Ingolfsson, O., Gataullin, V., Manley, W. and Lokrantz, H. Late Quaternary stratigraphy, glacial limits and paleoenvironments of the Marresale area, western Yamal Peninsula, Russia. *Quaternary Research* 57, 355-370.
83. 2002: Hoffecker, J.F., Anikovich, M.V., Sinityn, A.A., Holliday, V.T. and **Forman**, S.L., 2002. Initial Upper Paleolithic in Eastern Europe: New research at Kostenki, Russia. *Journal of Human Evolution* 42(3), A16-A17.
84. 2002: Norwaczyk, N. R., Minyuk, P., Melles, M. Brigham-Grette, J., Glushkova, O., Nolan, M., Lozhkin, A.V., Stetsenko, T. V., Anderson, P. and **Forman**, S.L., Magnetostratigraphic results from impact crater Lake El'gygytyn, northeastern Siberia: A 300 kyr long high-resolution terrestrial paleoclimatic record from the Arctic. *Geophysical Journal International* 150 (1), 109-126.
85. 2002: **Forman**, S. L. and Pierson, J., Late Pleistocene luminescence chronology of loess deposition in the Missouri and Mississippi river valleys, United States. *Paleogeography, Paleoclimatology, Paleoecology* 186 (1-2), 25-46.
86. 2003: Lokrantz, H., Ingolfsson, O. and **Forman**, S.L., Glaciotectonized late Quaternary sediments at Cape Shpindler, Yugorski Peninsula, Arctic Russia: Implications for the glacial history, ice-movements and Eurasian ice sheet configuration. *Journal of Quaternary Sciences* 18(6), 527-543.
87. 2003: French, H. M., Demitroff, M., and **Forman**, S. L., Evidence for late Pleistocene permafrost in the new Jersey Pine Barrens (Latitude 39° N), eastern USA. *Permafrost and Periglacial Processes* 14, 259-274.
88. 2003: **Forman**, S. L. and Pierson, J., Formation of linear and parabolic dunes on the eastern Snake River Plain, Idaho in the nineteenth century. *Geomorphology* 56(1-2), 189-200.
89. 2003: Argyilan, E. P. and **Forman**, S. L., Lake level response to seasonal climatic variability in the Lake Michigan-Huron system from 1920 to 1995. *Journal of Great Lakes Research* 29(3), 488-500.

90. 2003: Zeeberg, J. J., **Forman**, S. L. and Polyak, L., Variations in glacier extent on northwest Novaya Zemlya, Russia, during the past millennium inferred from ¹⁴C and ²¹⁰Pb-dated fjord sediment records. *Polar Research* 22(2), 385-394.
91. 2004: **Forman**, S. L., Lubinski, D. J., Ingolfsson, O., Zeeberg, J. J., Snyder, J. and Matishov, G.G. A Review of Postglacial emergence on Svalbard, Franz Josef Land and Novaya Zemlya, northern Eurasia. *Quaternary Science Reviews* 23, 1391–1434.
92. 2004: Cox, R. T., Larsen, D., **Forman**, S. L., Woods, J., and Morat, J., Sand blows in the southern Mississippi Embayment. *Bulletin of the Seismological Society of America* 94(3), 1125-1142.
93. 2004: Doran, P. T., Clifford, S.M., **Forman**, S. L. Nyquist, L., Papanastassiou, D. A., Stewart, B. W., Sturchio, N. C., Swindle, T. D., Cerling, T., Kargel, J., McDonald, G., Nishiizumi, K., Poreda, R., Rice, J. W., and Tanaka, K., Mars Chronology: Assessing Techniques for Quantifying Surficial Processes. *Earth Science Reviews* 67, 313-337.
94. 2005: Booth, R. K., Jackson, S. T., **Forman**, S. L., Bettis, E. A. III, Kreig, J., Wright, D. K., and Kutzbach, J.E. A Severe Centennial-Scale Drought in Continental North America 4200 years ago. *Holocene* 15(3), 321-328.
95. 2005: Argyilan, E. P., **Forman**, S. L., Johnston, J. and Wilcox, D., Optically stimulated luminescence dating of late Holocene raised strandline sequences adjacent to southern Lake Superior, Upper Peninsula, Michigan USA. *Quaternary Research* 63, 122-135.
96. 2005: French, H. M., Demitroff, M., and **Forman**, S. L., Late Pleistocene periglacial landscapes in the new Jersey Pine Barrens (Latitude 39° N), eastern USA. *Permafrost and Periglacial Processes* 16, 173-186.
97. 2005: Marin, L. **Forman**, S. L., Valdez, A. and Bunch F. 20th Century dune movements Great Sand Dunes National Park and Preserve, Colorado and relation to drought variability. *Geomorphology* 70, 163-183.
98. 2005: **Forman**, S. L., Marín, L., Pierson, J., Gómez, J., Miller, G. H., and Webb, R. S., Deciphering eolian depositional records from western Nebraska: Potential landscape response to megadroughts in the past 1500 years. *Holocene* 15(7), 973-981.
99. 2006: Duffield, W., Riggs, N. Kaufman, D., Champion, D, Fenton, C., **Forman**, S., McIntosh, W., Hereford, R., and Plescia, J., Multiple constraints on the age of a Pleistocene lava dam across the Little Colorado River at Grand Falls, Arizona. *The Geological Society of America Bulletin* 118(3/4), 421-429.
100. 2006: Andreev, A., **Forman**, S.L., Ingolfsson, O, and Manley, W., Middle Weichselian environments on western Yamal Peninsula, Kara Sea based on pollen records. *Quaternary Research* 65, 275-281.
101. 2006: **Forman**, S. L., Spaeth, M., Marín, L., Pierson, J. and Gómez, J., Episodic late Holocene dune movements on the sand sheet area, Great Sand Dunes National Park and Preserve, San Luis Valley, Colorado. *Quaternary Research* 66, 97-108.
102. 2006: Cox, R. T., Cherryhomess, J., Harris, J. B., Larsen, D. Van Arsdale, R.B. and **Forman**, S. L. Paleoseismology of the southeastern Reelfoot rift in western Tennessee, USA and implications for intraplate fault zone evolution. *Tectonics* 25 (3), Art. No. TC3019.
103. 2006: Möller, P. Ingólfsson Ó., Lubinski D. J., **Forman**, S.L., Seidenkrantz, M-S., Bolshiyarov, D. Y., Lokrantz, H., Antonov, O., Pavlov, M., Ljung, K., Zeeberg, J. J. and Andreev, A. Severnaya Zemlya, arctic Russia: a nucleation area for Kara Sea ice sheets during the Middle to Late Quaternary. *Quaternary Science Reviews* 25, 2894-2936.
104. 2006: Holliday, V. T., Huckell, B. B., Mayer, J. H., **Forman**, S. L. and McFadden, L. Geoarchaeology of the Boca Negra wash area, Albuquerque Basin, New Mexico. *Geoarchaeology* 21(8), 765-802.
105. 2006: Wagner, B., Melles, M., Doran, F., Kenig, F., **Forman**, S. L., Pireau, R. and Allen, P., Glacial and postglacial sedimentation in the Fryxell basin, Taylor Valley, southern Victoria Land, Antarctica. *Paleogeography, Paleoclimatology, Paleoecology* 241(2), 320-337.
106. 2006: Baldwin, J. N., Witter, R. C., Vaughn, J. D., Harris, J. B., Sexton, J. L., Lake, M., **Forman**, S. L., and Barron, A. D. Geological characterization of the Idalia Hill Fault Zone and its structural association with the Commerce Geophysical Lineament, Idalia, Missouri. *The Bulletin of the Seismological Society of America*. 96(6), 2281-2303.
107. 2007: Anikovitch, M. V., Sinitsyn, A. A., Hoffecker, J. F., Holliday, V. T., Popov, V. V., Lisitsyn, S. N., **Forman**, S. L., Levkovskaya, G. M., Pospelova, G. A., Kuz'mina, I. E., Burova, N. D., Goldberg, P. Macphail, R.I., Giaccio, B. and Praslov, N. D., Early Upper Paleolithic in Eastern Europe and Implications for the Dispersal of Modern Humans. *Science* 315, 223-226.
108. 2007: **Forman**, S. L., Pierson, J., Gomez, Brigham-Grette, J. and Nowaczyk, N. R., Luminescence geochronology for sediments from Lake El'gygytgyn, northeast Siberia, Russia: Constraining the timing of paleoenvironmental events for the past 200 ka. *Journal of Paleolimnology* 37, 77-88.
109. 2007: French, H., Demitroff, M., **Forman**, S. L., and Newell, W., Late-Pleistocene permafrost events in southern New Jersey, Eastern USA. *Permafrost and Periglacial Processes* 18, 49-59.

110. 2007: Cox, R.T., Hill, A.A., Larsen, D, Holzer, T., **Forman**, S.L, Noce, T., Gardner, C. and Morat, J., Seismotectonic implications of sand blows in the Southern Mississippi Embayment. *Engineering Geology* 89(3-4), 278-299.
111. 2007: Wright, D., **Forman**, S. L., Pierson, J., Gomez, and J. Tattersfield, P., Stratigraphic and geochronologic context of human habitation along the Galana River, Kenya. *Geoarchaeology* 22 (7), 709-728.
112. 2007: **Forman**, S. L., Marín, L., van der veen, K., Temper, K. and Csatho, B. Little Ice Age and neoglacial landforms at the Inland Ice Margin, Insunguata sermia, west Greenland. *Boreas* 36, 341-351.
113. 2007: Tripaldi, A. and **Forman**, S. L., Geomorphology and chronology of Late Quaternary dune fields of western Argentina. *Paleogeography, Paleoclimatology, Paleoecology* 252(2), 300-320.
114. 2007: Briner, J. P., Axford, Y. **Forman**, S. L., Miller, G. H. and Wolfe, A. P., Multiple generations of interglacial lake sediment preserved beneath the Laurentide Ice Sheet. *Geology* 35(10), 887-890.
115. 2007: Holliday, V.T. Hoffecker, J. F., Goldberg, P., Macphail, R. I., **Forman**, S. L., Anikovich, M. and Sinitsyn, A., Geoarchaeology of the Kostenki-Borshchevo sites, Don River Valley, Russia. *Geoarchaeology* 22(2), 181-228.
116. 2007: Scholz1, C. A., Johnson, T. C. Cohen, A. S., King, J., Peck, J., Overpeck, J.T., Talbot, M. R., Brown E. T., Kalindekafé, L., Amoako, P. Y.O., Lyons, R.P., Shanahan, T.M., Castaneda, I. S., Heil, C. W., **Forman**, S. L., McHargue, L. R., Beunin, K.R., Gomez, J., and Pierson, J. East African megadroughts between 135-75 kyr ago and implications for early human history. *Proceedings of the National Academy of Sciences* 104 (42), 16416–16421.
117. 2008: Madsen, D. B., Haizhou, M., Rhode, D., Brantingham, P. J., and **Forman**, S. L., Age constraints on the Late Pleistocene evolution of Qinghai Lake, Tibetan Plateau. *Quaternary Research* 69, 316-325.
118. 2008: Schaetzl, R. J. and **Forman**, S. L., OSL ages on glaciofluvial sediment in northern Lower Michigan constrain expansion of the Laurentide ice sheet. *Quaternary Research* 70, 81-90.
119. 2008: **Forman**, S.L., Sagintayev, Z., Sultan, M., Smith, S., Becker, R. Kendall, M. and Marin, L. The migration of parabolic dunes and wetland formation at Cape Cod National Sea Shore, MA: Landscape response to a legacy of environmental disturbance. *Holocene* 18(5), 765-774.
120. 2008: **Forman**, S.L., Marín, L., Gomez, J. and Pierson J., Late Quaternary eolian sand depositional record for southwestern Kansas: Landscape sensitivity to droughts. *Paleogeography, Paleoclimatology, Paleoecology* 265, 107-120.
121. 2009: Waters, M. R., **Forman**, S. L., Stafford, T.S. and Foss, J. Geoarchaeological investigations at the Topper and Big Pine Tree Sites, Allendale County, Central Savannah River, South Carolina. *Journal of Archaeological Sciences* 36, 1300-1311.
122. 2009: **Forman**, S. L., Nordt, L., Gomez, J. and Pierson, J., Late Holocene dune migration on the south Texas sand sheet. *Geomorphology* 108, 159-170.
123. 2009: French, H. M., Demitroff, M., Streletskiy, M. D., **Forman**, S. L., Gozdzik J., Konishchev V. N., Rogov, V. V., and Lebedeva-Verba, M. P., Evidence for Late-Pleistocene Permafrost in the Pine Barrens, Southern New Jersey, USA, *Earth's Cryosphere* 3, 17-28.
124. 2009: Seifert, C.S., Cox, R.T., Foti, T.L., **Forman**, S.L., Wasklewicz, T.A., and McColgan, A.T., Relict nebkhas (pimple mounds) record extreme late Holocene drought in the south-central United States. *Quaternary Research* 71, 329-339.
125. 2010: Wood, J., **Forman**, S.L., Pierson, J. and Gomez, J., Glacial Lake Quincy, An Illinoian deglacial sequence in central Indiana. *Quaternary Research* 73(2), 374-384.
126. 2010: Benedetti, M. M., Haws, Funk, C.A., Daniels, J.M., Hesp. P.A., Bicho, N. F., Minckle, T.A., Ellwood, B. B., and **Forman**, S. L. Late Pleistocene raised beaches of coastal Estremadura, central Portugal *Quaternary Science Reviews* 28(27-28), 3428-3447.
127. 2010: Rhodes, D., Haizhou, M., Madsen, D.B., P. Brantingham J., **Forman**, S.L. and Olsen, J. E., Paleoenvironmental and archaeological investigations at Qinghai Lake, western China: Geomorphic and chronometric evidence of lake level history. *Quaternary International* 219, 29-44
128. 2010: Argyilan, E. P., **Forman**, S. L., and Thompson, T.A., Variability of Lake Michigan water level during the past 1000 years reconstructed through optical dating of coastal strandplain: *Holocene* 20 (5), 723-731.
129. 2010: Palyvos N., Pavlopoulos K., Froussou E., Kranis H., Pustovoytov K., **Forman**, S.L., Minos-Minopoulos D., Paleoseismological investigation of the oblique-normal Ekkara ground rupture zone accompanying the M 6.7-7.0 earthquake on 30 April 1954 in Thessaly, Greece: Archaeological and geochronological constraints on ground rupture recurrence. *Journal of Geophysical Research-Solid Earth* 115, B06301
130. 2010: Milana, J. P., **Forman**, S.L. and Kröhling, D. The largest wind ripples on Earth: Reply. *Geology* 38(9), 219-220.

131. 2010: Bright, J., Kaufman, D. S., Mead, J.I., **Forman**, S.L., Esser, R. P. and Pigati, J. S., Comparative dating of a fossiliferous, *Bison*-bearing, late-Pleistocene deposit, San Clémente de Térapa, Sonora, México. *Quaternary Geochronology* 5(6), 631-643.
132. 2010: Tripaldi, A., Cicciooli, P.L. Alonso, S., and **Forman**, S.L., Petrography and geochemistry of late Quaternary dune fields of western Argentina: Provenance of aeolian materials in southern South America. *Aeolian Research*, 2(1), 33-48.
133. 2010: Cox, R.T., Gordon, J., Forman, S L. Brezina, T., Negrau, M., Hill, A., Gardner, C. and Machin, S., Paleoseismic sand blows in north Louisiana and south Arkansas. *Seismological Research Letters*, 81 (6), 1032-1047.
134. 2010: Haws, J.A., Benedetti, M.M., Funk, C.L., Bicho, N.F., Daniels, J.M., Hesp, P.A., Minckley, T. A., **Forman**, S. L., Jeraj, M., Gibaja, J. F., and Hockett, B. S., Coastal Wetlands and the Neanderthal Settlement of Portuguese Estremadura. *Geoarchaeology* 25(6), 709-744.
135. 2011: Waters, M.R. **Forman**, S. L. Jennings, T. A., Nordt, L. C., Driese, S. G., Feinberg, J. M., Keene, J. L., Halligan, J., Lindquist, A., Pierson, J., Hallmark, C. T., Collins, M. B. and Wiederhold, J. E., The Buttermilk Creek Complex and the Origins of Clovis at the Debra L. Friedkin Site, Texas. *Science* 331(6024), 1599-1603.
136. 2011: Wright, D., **Forman**, S. L., Waters, M. and Ravesloot, J., Holocene eolian activity as a proxy for broad-scale landscape change on the Gila River Indian Community, Arizona. *Quaternary Research* 76 (1), 10-21.
137. 2012: Wright, D. and **Forman**, S. L., Holocene occupation of the Mount Porr strand plain in southern Lake Turkana, Kenya. *Nyame Akuma* 76, 47-62.
138. 2012: Blumer, B. E., Arbogast, A. F. and **Forman**, S.L., The OSL chronology of eolian sand deposition in a perched dune field along the northwestern shore of Lower Michigan. *Quaternary Research* 77, 445-455.
139. 2012: Lovis, W. A., G. Monaghan, W., Arbogast, A. F. and **Forman**, S.L., Differential temporal and spatial preservation of archaeological sites in a Great Lakes (USA) coastal zone. *American Antiquity* 77(3), 591-608.
140. 2012: Londono, A. C., **Forman**, S. L., Eichler, T. and Pierson, J. Episodic eolian deposition in the past ca. 50,000 years in the Alto Ilo dune field, southern Peru. *Paleogeog., Paleoclimatology, Paleoecology* 346-347, 12-24.
141. 2012: Brown, N., **Forman**, S. L., Evaluating a SAR TT-OSL protocol for dating fine-grained quartz within Late Pleistocene loess deposits in the Missouri and Mississippi river valleys, United States. *Quaternary Geochronology* 12, 87-97.
142. 2013: Ahr, S. N., Nordt, L. and **Forman**, S. L., Soil genesis, optical dating, and geoarchaeological evaluation of two upland Alfisol pedons within the Tertiary Gulf Coastal Plain. *Geoderma* 192, 211-236.
143. 2013: Shanahan, T. M., Peck, J.A., Mckay, N., Heil, Jr, C. W., King, J., **Forman**, S.L. Hoffman, D., Overpeck, J. T., and Scholz, C. Age models for long lacustrine sediment records using multiple dating approaches – an example from Lake Bosumtwi, Ghana. *Quaternary Geochronology* 15, 47-60.
144. 2013: Johnston, J.W., Argyilan, E. P., Thompson, T.A., Baedke, S. J., Lepper, K. Wilcox. D. A. and **Forman**, S.L. A Sault-outlet-referenced mid- to late-Holocene paleohydrograph for Lake Superior constructed from strandplains of beach ridges. *Canadian Journal of Earth Sciences* 49, 1263-1279.
145. 2013: Meier, H. A., Nordt, L. C., **Forman**, S. L., and Driese, S.G. Late Quaternary alluvial history of the middle Owl Creek drainage basin in central Texas: A record of geomorphic response to environmental change. *Quaternary International* 306. 24-41.
146. 2013: Tripaldi, A. Zárate, M.A., **Forman**, S.L., Badger, T. and Doyle. M.E. Drought episode in the western Pampas (Argentina, South America) during the early-mid 20th century: geological evidence, climatic pattern and paleoclimatic inferences. *Holocene* 23, 1729-1744.
148. 2014: Meier, H. A., Driese, S. G., Nordt, L. C., **Forman**, S.L. and Dworkin, S. I. interpretation of Lake Quaternary climate and landscape variability based upon paleosol macro-and micromorphology, and stable isotopes of soil organic matter, Owl Creek, central Texas, *Catena* 114., 157-168.
147. 2014: Hoffecker, J. F., Holliday V. T., Stepanchuk, V. N., Brugère, A., **Forman** S.L., Goldberg, P., Tubolzev, O., and Pisarev, I., Geoarchaeological and bioarchaeological studies at Mira, an early Upper Paleolithic site in the Lower Dnepr Valley, Ukraine. *Geoarchaeology* 29, 61-77.
149. 2014: Schaeztl, R. L., **Forman**, S.L., Attig, J. Optical ages on loess derived from outwash surfaces constrain Chippewa Lobe glacial history, Wisconsin, USA. *Quaternary Research* 81(2), 318-329.
150. 2014: Yang, S., **Forman**, S.L., Song, Y. Pierson, J., and Mazzocco J., Shi, Z. and Fang, X. Evaluating OSL-SAR protocols for dating quartz grains from the loess in Ili Basin, Central Asia. *Quaternary Geochronology* 20, 78-88.
151. 2014: Wright, D.K., Thompson, J., Mackay, A. Welling, M. **Forman**, S. L., Price, G. Cohen, A. Greaves, A. and Gomani-Chindebv, E. Renewed geoarchaeological investigations of Mwanganda's Village (Elephant Site), Karongo, Malawi. *Geoarchaeology* 29(2), 98-120.
152. 2014: Waitukaitus, S., Lee, V. Pierson, J. **Forman**, S.L., and Jaeger, H. M., Size-dependent, same-material tribicharging in insulating grains. *Physical Review Letters*, 112 (21), Article Number: 218001.

153. 2014: **Forman**, S.L., Tripaldi, A. Ciccioli, P.L. Sand sheet deposition in the San Luis paleodune field, western Argentina as an indicator of a semi-arid environment through the Holocene. *Paleogeography, Paleoclimatology, Paleoecology* 411, 122-135,
154. 2014: **Forman**, S.L., Wright, D.W and Blozies, C. Variations in Lake Turkana water levels in the past 9000 years near Mt. Porr, Kenya and potential linkages to variability in the East African Monsoon. *Quaternary Science Reviews* 97, 81-101.
155. 2014: Vargas, G., Klinger, Y., Rockwell, T. **Forman**, S.L., Rebolledo, S., Lacassin, R., and Armijo, R., Probing large intraplate earthquakes on the west flank of the Andes. *Geology*, 42(12), 1083-1086.
156. 2015: Blozies, C., **Forman**, S.L. Potential controls of equatorial sea surface temperatures on historic water level variability for Lake Turkana, Kenya. *Journal of Hydrology*, 520; 489-501.
157. 2015: Yang, X. Scuderi, L.A. Wang, X., Zhang, D., Hongwei L., **Forman**, S. L., Xu, Q., Wang, R., Huang, W., and Yang, S. Groundwater sapping as the cause of irreversible desertification of Hunshandake Sandy Lands, Inner Mongolia, northern China. *Proceedings of the National Academy of Sciences*. 112 (3), 702-706.
158. 2015: Minckley T. A., Haws J. A., Benedetti M. M., Brewer S. C., and **Forman**, S. L. Last Interglacial Vegetation and Climate History from the Portuguese Coast. *Journal of Quaternary Science*, 30(1), 59-69.
159. 2015: **Forman**, S. L., Episodic eolian sand deposition in the past 4000 years in Cape Code National Seashore, Massachusetts USA in response to possible hurricane/storm and anthropogenic disturbances. *Frontiers in Earth Sciences* 3(2) 1-17.
160. 2015: Wright, D.K, **Forman**, S.L., Kiura, P., Blozies, C. and Amanuel, B. Holocene habitation with oscillating water levels and paleoclimate, Lake Turkana, Kenya. *African Archaeological Review*, DOI: 10.1007/s10437-015-9185-8.
161. 2015: Nelson, A., Briggs, R. Dura, T. Englehart, S., Gelfenbaum, Bradley, L-A., **Forman**, S. L., Vane, C.H. Tsunami recurrence in the eastern Alaska-Aleutian arc: a stratigraphic record from Chirikof Island, Alaska. *Geosphere*, 11(4), doi:10.1130/GES01108.1.
162. 2015: Blozies, C., **Forman**, S. L., Wright, D. K. Water level history for Lake Turkana, Kenya in the past 15,000 years and a variable transition from the African Humid Period to Holocene aridity. *Global and Planetary Change* 132, 64-76.
163. 2015: **Forman**, S. L. Stinchcomb, G. Views on grand research challenges for Quaternary Geology, Geomorphology and Environments. *Frontiers in Earth Sciences* 3 (4), 1-6.
164. 2015: Nordt, L., Bongino, J., **Forman**, S. L., Esker, D., Benedict, A. Late Quaternary environments of the Waco Mammoth Site, Texas USA. *Quaternary Research* 84, 423-438.
165. 2016: Hoffecker, J., Holliday, V. T., Anikovich, M, V, Dudin, A, E., Platonova, N. I., Popov, V. V., Levkovskaya, G., M., Syromyatnikova, E. V., Burova, N. D., Goldberg, P., Macphail, R. I., , **Forman**, S.L., Brian, C. J., and Crawford, L., Kostenki 1 and the early Upper Paleolithic of Eastern Europe. *Journal of Archaeological Science* 5, 307-326.
166. 2016: Yang, X., **Forman**, S. L., Hu, F. Zhang, D., Liu, Z. Li, H. Initial insights into the age and origin of the Kubuqi Sand Sea of northern China. *Geomorphology* 259, 30-39.
167. 2016: Tripaldi, A., **Forman**, S. L. Eolian depositional events during the past 50 ka for subtropical inland paleodune field and inferred climate variability for the Pampean Sand Sea, western Pampas, Argentina. *Quaternary Science Reviews* 139, 77-93.
168. 2016: **Forman**, S. L. Waters, M. R. Perspective: Optically Stimulated Luminescence Dating and the Peopling of the Americas. *PaleoAmerica* 2, 6-10.
169. 2016: Wright, D. K., **Forman**, S. L., Comment on “Environmental change and human occupation of southern Ethiopia and northern Kenya during the last 20,000 years.” *Quaternary Science Reviews* 129, 333-340.
170. 2016: Bourne, M.D. Feinberg, J. M., Stafford, Jr., T. W., Waters, M. R., Lundelius Jr., E., **Forman**, S. L. High-intensity geomagnetic field 'spike' observed at ca. 3000 cal BP in Texas, USA. *Earth and Planetary Science Letters* 442, 80-92.
171. 2016: Dalton, A. S., Finkelstein, S., Barnett, P., **Forman**, S. L., Constraining the late Pleistocene history of the Laurentide Ice sheet by dating the Missinaibi Formation, Hudson Bay Lowlands, Canada. *Quaternary Science Reviews* 146, 288-299.
172. 2017: Oken, J., **Forman**, S.L. Terminal Pleistocene volcanic eruptions at Zuni Salt Lake, west-central New Mexico, USA. *Bulletin of Volcanology*, 79 (10), s00445-016-1089-1.
173. 2017: Hirsch, F. Spröte, R., Fischer, T. **Forman**, S. L., Raab, T., Bens, O., Schneider, A. F. Hüttl, R. F., Late Quaternary aeolian dynamics, pedostratigraphy and soil formation in the North European Lowlands –new findings from the Baruther ice-marginal valley. *Die Erde* 148(1), 58-73.

174. 2017: Bolles, K., **Forman**, S. L., Sweeney, M. Eolian processes and heterogeneous dust emissivity during the 1930s Dust Bowl Drought and implications for projected 21st century megadroughts. *Holocene* 27 (10); 1578-1588.
175. 2017: Reheis, M.C., Goldstein, H., Reynolds, R. **Forman**, S. L., Mahan, S. A., Carrara, P. E. Late Quaternary loess and soils on uplands in the Canyonlands and Mesa Verde areas, Utah and Colorado. *Quaternary Research* <https://doi.org/10.1017/qua.2017.63>.
176. 2018: Ferraro, J. V., Binetti, K. M., Wiest, L. A., Esker, D., Baker, L.E., **Forman**, S. L. Contesting early archaeology in California. *Nature* 544, 479-483.
177. 2018: Ramirez-Herrera, M. T., Gaidzik, K., **Forman**, S. L. Burgmann, R. and Johnson, C. Long-term and short-term vertical deformation rates across the Forearc in the Central Mexican Subduction Zone. *Geosphere* 14(2) doi:10.1130/GES01446.1.
178. 2018: Dalton, A. S., Finkelstein, S.A., Barnett, P. J., Valiranta, M. **Forman**, S. L. Late Pleistocene chronology, palaeoecology and stratigraphy at a suite of sites along the Albany River, Hudson Bay Lowlands, Canada. *Paleogeography, Paleoclimatology, Paleocology* 492, 50-63.
179. 2018: Wright, E., Kruse, S., **Forman**, S.L., Harris, S. M., Millennial scale development of southeastern U.S. spit. *Journal of Coastal Research* 342. 255-271. <https://doi.org/10.2112/JCOASTRES-D-16-00005.1>
180. 2018. Guo, X., **Forman**, S. L., Marin, L., Li, X. Assessing tectonic and climatic controls for Late Quaternary fluvial terraces in Guide, Jianzha, and Xunhua basins for the Yellow River on the northeastern Tibetan Plateau. *Quaternary Science Reviews* 195, 109-121.
181. Accepted: Waters, M. R., Keene, J. L., **Forman**, S. L., Prewitt, E. R., David L. Carlson, D. L., Wiederhold, J. E., Pre-Clovis Projectile Points at the Debra L. Friedkin Site, Texas – Implications for the Late Pleistocene Peopling of the Americas. *Science Advances*.
182. Accepted: Bolles, K. C., Forman, S. L. Evaluating landscape degradation along climatic gradients during the 1930s Dust Bowl Drought from panchromatic historical aerial photographs, U.S. Great Plains. *Frontiers in the Earth Science*.
183. In Revision: Slack, C., Hanson, K., Coppersmith, R. Neveling, J., Bierman, P., **Forman**, S. L., Goedhart, M. Paleoseismic Investigations of the Kango Fault, South Africa: Incorporating temporal and spatial clustering behavior into a seismic source characterization model. *Bulletin of the Seismological Society of America*.
184. In Revision: Purtill, M., Kite, S., **Forman**, S.L., Late Quaternary aeolian and fluvial interaction in the upper Ohio Valley: The evolution of the Sandy Springs landscape, Adams County, Ohio (U.S.A.). *Quaternary Science Reviews*.
185. In Revision: Abotalib, A. Z., Sultan, M., Jimenez, G., Crossey, L., Karlstrom, K., **Forman** S., Krishnamurthy, R.V. Elkadiri, R., Polyak, V., Asmerom, Y., Complexity of Saharan paleoclimate reconstruction and implications for modern human migration. *Earth and Planetary Science Letters*.
186. In Revision: Rhodes, D.D., Negrini, R.M., Arrowsmith, JR., Wigan, P.E., **Forman**, S.L., Palacios-Fest, M.R., and Davis, O.K., in review, Geomorphic and sedimentologic evidence for Pluvial Lake Carrizo, San Luis Obispo, County, California; in Starratt, S.W. and Rosen, M.R. (eds.), *From saline to freshwater: The diversity of western lakes in space and time*. *Geological Society of America Special Paper*.
187. In Revision: Esker, D. **Forman**, S.L. Reconstructing the mass and thermal ecology of North American Pleistocene tortoises. *Paleobiology*.
188. In Revision: Wiest, L. A., Ferraro, J. V. Binetti, K. M., **Forman**, S. L., Esker, D.A., Zechman, B. Morphologic characteristics of preparator air scribe marks: implications for taphonomic research. *PLOS-ONE*.
189. In Review: Barrineau, P., Dobrev, I., Bishop, M. P., Houser, C., **Forman**, S.L. Deconstructing aeolian landscapes. *Geomorphology*.
190. In Review: Hoffer, J. H., Holliday, V.T., Nehoroshev, P.E., Vishnyatsky, L.B., Ocherednoi, A.K., Goldberg, p., Southon, J., Lehman, S.J., Cappa, P.C., Giaccio, B., **Forman**, S.L., Quade, J. The dating of a Middle Paleolithic blade industry in southern Russia and the problem of modern human dispersal in Eastern Europe. *Journal of Paleolithic Archaeology*.

BOOKS, BOOK CHAPTERS, MAPS AND MONOGRAPHS (PEER-REVIEWED)

1. 1989: Gibbard, P., **Forman**, S. L., Salomaa, R., Alhonen, P., Jungner, H., Peglar, S. Suksi, J. and Vuorinen, A., Late Pleistocene stratigraphy at Harrinkangas, w. Finland. *Annales Academia Scientiarum Fennicae* 15, 1-36.
2. 1991: **Forman**, S. L. and Machette, M. N., Thermoluminescence dating of sediment. in: Chapter 17: *Dating Methods Applicable to the Quaternary; Quaternary Non-glacial Geology of the conterminous United States*. Geological Society of America Decade of North American Geology (DNAG) Volume 21, 61-65.
3. 1995: Matishov, G., Cherkis, N., Vermillion, M. S., and **Forman**, S. L., Bathymetry of the Franz Josef Land Region, northeast Barents Sea, Russia. *Geological Society of America Map and Chart Series* MCH080.

- 4 1998: **Forman**, S. L., and G.L. Johnson (editors), *Prospectus for Russian-American Initiative on Shelf-Land Environments in the Arctic (RAISE)*. Arctic Research Consortium of the United States (ARCUS). Fairbanks, AK. 59 pp
- 5 2000: **Forman**, S. L., Pierson, J. and Lepper, K., Luminescence Geochronology, in: *Quaternary Geochronology: Methods and Applications* (eds. Sowers, J. M., Noller, J. S. and Lettis, W. R.), American Geophysical Union Reference Shelf 4, 157-176.
- 6 2000: Hemphil-Haley, M. A., Sawyer, T. L., Knuepfer, P. L. K., **Forman**, S. L. and Wong, I. G., Timing of faulting events from thermoluminescence dating of scarp-related deposits, Lemhi Fault, southwestern Idaho. in: *Quaternary Geochronology: Methods and Applications* (eds. Sowers, J. M., Noller, J. S. and Lettis, W. R.), American Geophysical Union Reference Shelf 4, 541-548.
- 7 2000: Zeeberg, J. J., Lubinski, D. and **Forman**, S. L., Late Quaternary glacial and sea level events on northern Novaya Zemlya. in: *Heritage of the Russian Arctic* (editors, Ebbinge, B. S., Mazourov, Y. L., and Tomkovich, P. S.) Ecopros Publishing, Moscow, Russia, 191-196.
- 8 2002: Harrison, R.W., Palmer, J. R., Hoffman, D., Vaughn, J.D., Repetski, J. E., Frederiksen, N. O. and **Forman**, S. L. *Geologic Map of the Scott 7.5-minute Quadrangle, Scott and Cape Girardeau Counties, Missouri*. U.S. Geological Survey Investigations Series Map I-2744.
- 9 2002: Gianniny, G. L., Thackray, G. D., Kaufman, D. S., **Forman**, S. L., Sherbondy, M. J. and Findeisen, D., Late Quaternary lake highstands in the Mud Lake and Big Lost Trough sub-basins of Lake Terreton, Idaho. in: *Geology, Hydrogeology, and Environmental Remediation: Idaho National Engineering and 10. Environmental Laboratory, Eastern Snake River Plain, Idaho*, Geological Society of America Special Paper 353, 77-90.
- 11 2002: McCaLpin, J. P. and **Forman**, S. L., Post-Provo paleoearthquake chronology of the Brigham City Segment, Wasatch Fault Zone, Utah. *Utah Geological Survey Miscel. Publication*, 46 pp.
- 12 2004: Miller, G.H., Wolfe, A., **Forman**, S. L. and Olsen, C. Geochronology of High-Latitude Paleolimnology in (Smol, J. and Last, W. eds) *Long-term Environmental Change in Arctic and Antarctic Lakes*, R. Pienitz, M.S.V. Douglas and J.P. Smol (eds), 2004. Kluwer Academic Publishers, Dordrecht, The Netherlands, p. 167-182.
- 13 2006: Nelson, A. R., Lowe, M., Personius, S., Bradley, L.-A., **Forman**, S. L., Klauk, R. and Garr, J. Holocene earthquake history of the northern Weber Segment of the Wasatch Fault Zone, Utah. *Miscellaneous Publication 05-8, Utah Geological Survey*, 39 pp.
- 14 2011: Sagin, J. **Forman**, S. and Sultan, M., Dunes and Wetlands. Lambert Academic Publishing. Leipzig, Germany, 119 pp.
- 15 2011: Olig, S., Eppes, M.C., **Forman**, S. L., Love, D. W., and Allen, B. D., Late Quaternary earthquakes on the central Hubbell spring fault, New Mexico, USA: Evidence for coseismic, non-characteristic ruptures of intrabasin faults in the Rio Grande rift. in Geological Society of America Special Papers 479, *Geological criteria for evaluating seismicity revisited: 40 years of paleoseismic investigations and the natural record of past earthquakes*, 47-77.
- 16 Haws, J. A., C. L. Funk, Benedetti, M. M., Bicho, N. F., Daniels, J. M., Minckley, T.A., Denniston, R.F., Jeraj, M., Gibaja, J. F., Hockett, B. S., and **Forman**, S. L. 2012: Paleolithic Landscapes and Seascapes of the West Coast of Portugal. *Trekking the Shore: Changing Coastlines and the Antiquity of Coastal Settlement*. N. F. Bicho, J. A. Haws and L. G. Davis (eds), Interdisciplinary Contributions to Archaeology, 203-246, DOI: 10.1007/978-1-4419-8219-3_9.
- 17 2012: Cox, R.T., Harris, J., **Forman**, S., Brezina, T., Gordon, J., Gardner, C., and Machin, S., Holocene faulting on the Saline River fault zone, Arkansas along the Alabama-Oklahoma Transform: in Cox, R.T., Tuttle, M.P., Boyd, O.S., and Locat, J., (eds.), *Recent Advances in North American Paleoseismology and Neotectonics East of the Rockies*, Geological Society of America Special Paper.
- 18 2015: **Forman**, S.L. and Stinchcomb, G.E., Views on grand research challenges for Quaternary geology, geomorphology and environments. In *Grand Challenges in the Field of Earth Science*. Lausanne: Frontiers Media, p. 53-58.
- 19 2016: **Forman**, S., *Luminescence Dating in Paleoseismology*, in Beer, M., Kougioumtzoglou, I. A., Patelli, E., and Au, I. S.-K., eds., *Encyclopedia of Earthquake Engineering*, Springer Berlin Heidelberg, p. 1371-1378.

BOOK REVIEWS, GUIDEBOOKS, AND CONFERENCE AND WORKSHOP REPORTS

1. 1984: Miller, G. H., **Forman**, S. L., Lehman, S. and Sejrup, H-P., Extent and character of glaciations along west Spitsbergen, in: *The Sediments and Climate in the Arctic; "YMER" 1980 Conference* Oslo, Norway, 34-37.
2. 1986: **Forman**, S. L., book review of: *Soils and Quaternary Landscape Evolution* (J. Boardman, ed.), *Geological Magazine* 36, 54-55.
3. 1986: **Forman**, S. L., book review of: *Soil Micromorphology* (R. Kemp). *Arctic and Alpine Research* 18(4), 48.

4. 1987: **Forman**, S. L., book review of: *Thermoluminescence Dating* (M. Aitken). *Geoarchaeology* 2 (1), 75.
5. 1987: **Forman**, S. L., The Application of thermoluminescence (TL) dating in normal faulted terrain. In: *Proceedings of Conference XXXIX- Directions in Paleoseismology*. U.S. Geol. Survey Open-File Report 87-673, 42-49.
6. 1988: **Forman**, S. L., book review of: *Quaternary Glaciations of the Northern Hemisphere* (eds. V. Sibrava, D. Q. Bowen and G. M. Richmond). *Arctic and Alpine Research* 20(2), 260.
7. 1989: **Forman**, S. L. (editor), *Dating Methods Applicable to Quaternary Geologic Studies in the Western United States*. Utah Geologic and Mineral Survey, Misc. Publication 89-7, 80p.
8. 1989: **Forman**, S. L., Thermoluminescence dating of Quaternary Sediments. in: (Forman, S. L. editor), *Dating Methods Applicable to Quaternary Geologic Studies in the Western United States*. Utah Geologic and Mineral Survey, Misc. Publication 89-7, 43-53.
9. 1989: **Forman**, S. L. and Miller, G. H., Radiocarbon dating of terrestrial organic material, in: (Forman, S. L. editor), *Dating Methods Applicable to Quaternary Geologic Studies in the Western United States*. Utah Geologic and Mineral Survey, Misc. Publication 89-7, 2-9.
10. 1990: **Forman**, S. L., Thermoluminescence and radiocarbon chronology of loess deposition at the Loveland Paratype, Iowa, in: *Midwest Friends of Pleistocene 37th Field Conf. Guidebook* (Bettis, E.A. ed.), 165-171.
11. 1990: **Forman**, S. L. (Editor) Radiocarbon Date List I for Svalbard. *INSTAAR Occasional Paper* 47, 48p.
12. 1991: Hemphil-Haley, M., Sawyer, T. L., Knuepfer, P. L. K., **Forman**, S. L., Smith, R.P. and Wong, I. G., Multiple Late Quaternary surface faulting events along the southern Lemhi Fault, southeastern Idaho, in: *Proceedings of the 27th Symposium on Engineering Geology & Geotechnical Engineering*, Logan, Utah, 1-16.
13. 1991: Hemphil-Haley, M., Sawyer, T. L., Wong, I.G. Knuepfer, P. L. K., **Forman**, S. L., Smith, R. P., Quaternary faulting along the southern Lemhi Fault, near the Idaho National Engineering Laboratory, southeastern Idaho. *Proceedings of the Third DOE Natural Phenomena Hazards Mitigation Conference*, 10p.
14. 1992: **Forman**, S. L., book review of: *Aspects of geomorphology and thermoluminescence dating of cold-climate eolian sands* (J. Dijkmans), *Arctic and Alpine Research* 24(3), 262-263.
15. 1994: Williams, K. M. and **Forman**, S. L., Diatoms and sediment of a modern glacial fjord environment, western Spitsbergen. In: *Proceedings of the 11th International Diatom Symposium*, Memoir 17 California Academy of Sciences, pp. 387-398.
16. 1995: **Forman**, S. L. and Johnson, G. L. (editors), Report of a National Science Foundation Arctic System Science Workshop entitled "Research Priorities for Russian Arctic Land-Shelf Systems" *Byrd Polar Research Center Misc. Series* M-336, 21pp.
17. 1996: **Forman**, S. L. and Johnson, G. L. (editors), Reports of National Science Foundation Sponsored Workshops to Define Research Priorities for Eurasian Arctic Land-Shelf Systems, *Byrd Polar Research Center Misc. Series* M-397, 51p.
18. 1996: Kelson, K. I., Hemphil-Haley, M. A., Olig, S. S., Simpson, G. D., Reneau, S. L., Kolbe, T. R., **Forman**, S. L., and Wong, I. G., Late Pleistocene and possibly Holocene displacement along the Rendija Canyon Fault, Los Alamos, County, New Mexico. *New Mexico Geological Society Guidebook* 47.
19. 1997: Waters, M. R., **Forman**, S. L. and Pierson, J., Evaluation of the stratigraphy and age of Diring Yuriak: A lower Paleolithic site in central Siberia. *Current Research in the Pleistocene*, p. 12-14.
20. 1997: Harrison, R. W., Palmer, J. R., Hoffman, D., Vaughn, J. D., **Forman**, S. L., McGeehin, J. Frederiksen, N. O., Profiles and documentation of fault-exploration trenches in the English Hill area, Scott City 7.5-minute Quadrangle, Missouri. *U. S. Geological Survey Open-File Report* 97-474, 96p.
21. 1997: Waters, M. R., **Forman**, S. L. and Pierson, J., The age of the Diring Yuriakh archaeological site: reply to Huntley and Richards. *Ancient TL* 15 (2-3), 50-51.
22. 1998: Wilson, G. S., Braddock, P., **Forman**, S. L., Friedmann, E. I., Rivkina, E. M., Gilichinsky, D. A., Fyodorov-Davidov, G. Ostroumov, V. E. and Sorokovikov, V., Coring for microbial records of Antarctic climate. *Antarctic Journal of the U.S. Review* 21(2), 105-115.
23. 1998: **Forman**, S. L., Pierson, J. and Lepper, K., Luminescence Geochronology in: *Dating and Earthquakes: Review of Quaternary Geochronology and its Application to Paleoseismology* (eds. Sowers, J. M., Noller, J. S. and Lettis, W. R.), U. S. Nuclear Regulatory Commission, NUREG/CR 5562.
24. 2000: **Forman**, S. L. Book review of: *Land-Ocean Systems in the Siberian Arctic; Dynamics and History*. (Eds. H. Kassens, H. A. Baouch, I. A. Dmitrenko, H. Eicken, H-W. Huberton, M. Melles, J. Theide, and Timokhov, L. A.) *Arctic, Alpine and Antarctic Research* 32(3), 363.
25. 2000: Doran, P. T., Clifford, S. M., **Forman**, S. L., Nyquist, L., Papanastassiou, D.A., Stewart, B. W., Sturchio, N.C., and Swindle, T. D., *Workshop Report: Assessing Chronometric Techniques for Quantifying Surficial Processes on Mars*. Jet Propulsion Laboratory, NASA, 155 pp.

26. 2001: Olig, S. S., Gorton, A.E., Black, B. D. and **Forman, S.L.** *Paleoseismology of the Mercur Fault and Segmentation of the Oquirrh-East Great Salt Lake Fault zone, Utah*. Report to U.S. Geological Survey, National Earthquake Hazards Reduction Program, 109 pp.
27. 2003: **Forman, S. L.** Luminescence dating of Quaternary sediments: New methods for dating archaeological components. *Mammoth Trumpet*, 18(3), 10-13.
28. 2003: Goodyear, A. C., **Forman, S. L.**, and Foss, J. E., Recent application of optically stimulated luminescence (OSL) dating at the Nipper Creek Site (38RD18), S. Carolina. *Current Research in the Pleistocene*, 20, 26-29.
29. 2004: Anderson, L. W., Piety, L. A., Olig, S. S., and **Forman, S. L.**, Paleoseismic investigation of the Canyon Ferry Fault, west-central Montana. In *Basin and Range Province Seismic Hazards Summit II*, 39-51.
30. 2005: Wright, D. K., McGowan, K. P. and **Forman, S. L.**, National Register of Historic Places Evaluation of five sites at the Bluffs of Case Creek in Rock Island County, Illinois. Public Service Archaeology Program Research Report No. 95, 95 pp.
31. 2007: Olig, S., Zacharaisen, J. and **Forman, S. L.**, Surficial geology and supplemental erosion assessment of the WCS waste disposal facility, Andrews County, Texas. Prepared for Waste Control Specialists LLC, Dallas, Texas, 22 pp.
32. 2007: **Forman, S.L.** and Hooyer, T. Wolf River Dune field, Shawno and Outagamie Counties. in: *Late-Glacial History of East-Central Wisconsin* (Editor, Hooyer, T.S.) Guide Book for the 53rd Midwest Friends of the Pleistocene Field Conference, Wisconsin Geological and Natural History Survey, p. 27-30.

ABSTRACTS (Over 350 to national and international meetings)

RESEARCH FUNDING HISTORY (TOTAL: \$7,423,516)

1. Chronology of paleoearthquakes on the Wasatch fault by thermoluminescence (TL) dating. PIs: J. McCalpin and S. L. Forman, 4/1/87-3/30/88; U.S. Geological Survey, \$47,678.
2. Refinement of thermoluminescence (TL) dating for the Wasatch fault, Utah. PIs: J. McCalpin and S. L. Forman, 4/1/88-3/31/89, U.S. Geological Survey, \$49,776.
3. Characterization of sediment and sedimentary processes by thermoluminescence level in the fiord and shelf area of western Spitsbergen. PI: S. L. Forman, 11/1/87-10/30/88, Office of Naval Research, \$29,000.
4. Climatic history of west Spitsbergen, Svalbard during the last deglaciation (15-8 ka). PIs: G. H. Miller and S. L. Forman, 7/1/88-6/30/90, National Science Foundation, \$56,870.
5. Dating methods applicable to Quaternary geologic problems in the western U.S.A. PIs: S. L. Forman and G.H. Miller, 6/1/89-5/30/90, Utah Geological and Mineral Survey, \$8683.
6. Thermoluminescence chronology of loess deposition, near Lanzhou, China. PI: S. L. Forman, 6/1/90-5/30/91, National Geographic Society, \$21,800.
7. Development and application of the thermoluminescence technique to date Arctic marine sediments: A case study on western Spitsbergen, Svalbard. PI: S. L. Forman, 5/1/89-4/31/91, National Science Foundation, \$113,728.
8. Assessing the temporal and stratigraphic limitations in paleoseismic studies in normal faulted terrain. PIs: S. L. Forman and J. McCalpin, 3/1/90-2/28/91, U.S. Geological Survey, \$45,633.
9. Thermoluminescence (TL) geochronology of late Quaternary volcanic eruptive events in the Yucca Mountain region, Nevada and Cima, (CA) and Lunar Crater (NV) fields. PI: S. L. Forman, 8/2/91-9/30/93, Dept. of Energy/Los Alamos National Laboratory, \$99,330.
10. The nature of eolian activity during the Holocene on the northern High Plains, U.S.A.: Geomorphic analog for landscape response to future atmospheric warming. PIs: A. F. H. Goetz, S. L. Forman, P. W. Birkeland, 1/1/90-12/31/93, National Aeronautics and Space Administration, \$121,268.
11. Late Quaternary glaciations of Franz Josef Land, USSR: Ice extent, timing and paleoenvironmental reconstructions. PIs: S. L. Forman and G. H. Miller, 4/1/90-3/31/93, National Science Foundation, \$157,851.
12. Accelerator ¹⁴C dating of specific organic chemical fractions from buried soil horizons associated with Holocene faulting events on the Weber Segment of the Wasatch fault zone, Utah. PIs: T. W. Stafford and S. L. Forman, 7/1/90-6/30/91, Utah Geological and Mineral Survey, \$9800.
13. Thermoluminescence chronology of volcanic and loess depositional events on the eastern Snake River Plain. PI: S. L. Forman, 5/31/90-9/31/93, Dept. of Energy/Idaho National Engineering Laboratory, \$51,237.
14. Determining the extent and dynamics of Late Pleistocene ice sheets in the Soviet Arctic from SAR images. PI: S. L. Forman, 4/01/91-3/31/94, National Aeronautics and Space Administration, \$58,310.
15. Assessing the paleoseismic activity of the Brigham City Segment, Wasatch fault zone Utah: Probable site of the next major earthquake on the Wasatch front? PIs: J. McCalpin and S. L. Forman, 5/1/92-4/30/93, U. S. Geological Survey, \$45,990.

16. Photoluminescence studies of modern and Pleistocene lacustrine and near-shore marine sediments from Spitsbergen: A potential new geochronometer for Arctic waterlain sediments. PI: S. L. Forman, 7/15/92-7/14/95, National Science Foundation, \$132,715.
17. Late Quaternary sediment fluxes along a fjord to shelf transect from Franz Josef Land and Novaya Zemlya to the Barents Sea, Russia. PIs: S. L. Forman and A. Leventer, 8/1/92-7/31/95, Office of Naval Research, \$65,000.
18. Late Pleistocene chronology of loess deposition in the Missouri River basin, U.S.: A proxy record for the Laurentide Ice Sheet. P.I.: S. L. Forman, 3/1/93-2/28/95, National Geographic Society, \$22,700.
19. Collaborative Research: Late Weichselian (Valdai) glaciation and deglaciation of Franz Josef Land, Russia. P.I.: S. L. Forman, 5/1/93-4/30/96, National Science Foundation, \$215,884.
20. Radionuclides in the Barents and Kara seas bottom sediments: distribution, sources, and dispersal pathways. P.I.: S. L. Forman and L. Polyak, 7/1/93-6/30/96, Office of Naval Research, \$258,248.
21. Sources and fluxes of radioactivity in the Murmansk region, Kola Peninsula, Russia. P.I.s: S. L. Forman and J. Smith, 7/1/94-6/30/97, Office of Naval Research, \$280,867.
22. Retrieval and archival of marine materials and oceanographic data from the former Soviet Union. P.I.s: S. L. Forman and K. C. Jezek, 7/1/94-6/30/97, Office of Naval Research, \$250,057.
23. An International workshop to define research priorities for Russian arctic land-shelf Interactions. P.I.s: S. L. Forman, G. L. Johnson and K. Everett, 9/1/94-8/31/95, National Science Foundation, \$36,156.
24. Assessment of radionuclide fluxes from nuclear testing and dumping sites on Novaya Zemlya, Russia P. I.s: S. L. Forman, L. Polyak, and J. Smith, 6/1/95-5/31/98, Office of Naval Research, \$298,475
25. Development of a NSF-ARCSS program for investigating Russian Arctic Land-Shelf Environmental Systems (RASE). P.I.s: S. L. Forman and G. L. Johnson, 6/1/95-5/31/97, National Science Foundation, \$88,934.
26. Collaborative Research: Paleoenvironmental Time Series from Postglacial Lake Basins on Kola Peninsula, Russia. P.I. S. L. Forman, 5/1/ 96-4/30/99, National Science Foundation, \$225,696.
27. Collaborative Research: late Quaternary glaciations of northern Novaya Zemlya, Russia. P.I.: S. L. Forman, 7/1/1996-6/30/2000, National Science Foundation, \$319,463.
28. Quaternary glaciations at the margin of the Arctic Ocean on the Seven Islands, Svalbard. P.I.: S. L. Forman, National Geographic Society, 7/1/1996-6/30/1997, \$17,150
29. Evaluation of past environmental changes from sediment cores from the Kara Sea, Russia. P. I.: S. L. Forman, Office of Naval Research (through Ohio State University), 1/30/98 to 12/31/99, \$32,982.
30. Arctic shelf and ocean paleo-circulation modeling workshop at the Naval Postgraduate School. P. I.s: S. L. Forman, J. T. Andrews, & W. Maslowski, National Science Foundation, 11/1/98-10/31/99, \$39,573.
31. Russian-American Initiative on Shelf-Land Environments in the Arctic (RAISE): Science Management Office P.I.: S. L. Forman, National Science Foundation, 4/1/99-3/30/2002, \$19,038.
32. Water and Constituent Fluxes across the Eurasian Arctic: Evolving Land-Ocean Connections over the past 20,000 years. P.I. S. L. Forman, Marine Biologic Laboratory/National Science Foundation, 4/1/99-3/30/2002, \$44,896.
33. Techniques for assessing surficial process chronology on Mars: A workshop. P.I.s P. Doran and S. L. Forman. Jet Propulsion Laboratory/NASA, 2/1/2000-1/31/2001. \$32,973.
34. Collaborative Research: Reconstructing the past 20,000 years of glacial and sea-level history for Severnaya Zemlya, Russia 80°N. P.I. S. L. Forman, National Science Foundation, 4/1/2000- 3/31/2005, \$264,952.
35. Geologic framework of Grand Strand Barrier Island Complexes: Implications for sediment volumes and rates of sediment transport National Oceanographic and Atmospheric Administration, South Carolina Sea Grant. P.I.s: E. E. Wright, M.S. Harris, S. Kruse, S. L. Forman, and N. T. Edgar. 2/28/2001- 1/31/2002, \$40,995 (S. Forman: \$10,000).
36. Collaborative Research: Weichselian Glaciation and deglaciation history northeastern Kola and Kanin Peninsula, Russia. P.I. S. L. Forman, National Science Foundation, 4/1/2001-3/31/2005; \$131,494.
37. Optically-stimulated luminescence dating of Great Lakes shorelines: High-resolution chronology for the past 4000 years. P. I. S. L. Forman, U.S. Geological Survey, 7/1/2001-6/30/2004, \$83,704.
38. Paleoclimate inferred from lake sediment cores in Taylor Valley, Antarctica. P.I.s P. T. Doran, S. L. Forman and F. Kenig, National Science Foundation, 7/1/2002-6/30/2004, \$102,005.
39. Evaluating Seasonal Changes in Net Basin Supply for Lake Michigan-Huron since 1950. P. I. S. L. Forman & B. Lofgren, NOAA-CILER, 7/1/2002-6/30/2003, \$24,935.
40. Optically stimulated luminescence dating of late Quaternary deltaic and eolian deposits in the Ganges Basin to constrain hydrogeochemical models of arsenic poisoning in Bangladesh and Nepal; and to assist in the modeling of aquifer development in the Bengal. P. I. S. L. Forman, U. S. Geological Survey, 8/30/2003- 9/30/2006, \$59,085.
41. Temporal and Spatial patterns of dune activity in the past 2000 years on the Great Plains of eastern Colorado. P. I. S. L. Forman, National Geographic Society, 4/1/2004-3/31/2005, \$14,500.

42. Optically-stimulated luminescence (OSL) dating of the formation of dune systems at the Great Sand Dunes National Monument and Preserve, Colorado. National Park Service, P. I. S. L. Forman, Dept. of Interior, 4/1/2004-3/31/2005, \$10,000.
43. Collaborative Study: Pilot study for using aster images to map glacial geomorphology on Greenland. NASA, P.I. S. L. Forman, 5/1/2004-4/30/2005, \$16,755.
44. 20th and 21st century's dune migration at the Great Sand Dunes National Park and Preserve, Colorado and relation to drought variability. National Park Service, Dept. of Interior, P. I. S. L. Forman, 5/1/2005-4/30/2007, \$19,000.
45. Landscape controls on wetland and dune development, Cape Cod, National Seashore. National Park Service, Dept. of Interior, P.I. S. L. Forman, 6/1/2005-5/31/2007, \$43,500.
46. IGERT: Ecology, Management and Restoration of Integrated Human/Natural Landscapes. National Science Foundation. Co-P.I. S. L. Forman, 7/01/2006-6/30/2011, \$2,810,585.
47. Collaborative Research: Arctic Paleoclimate of the last 3.6 My: Scientific Drilling at Lake El'gygytgyn. National Science Foundation, Co-P.I. S. L. Forman, 9/1/2006-8/30/2011, \$53,160.
48. Reactivation of stabilized dune field of western Argentina: Landscape response to megadroughts in the past 5000 years. National Geographic Society, P. I. S. L. Forman, 3/1/2009-2/27/2011, \$16,010.
49. Collaborative Research: Establishing the temporal and spatial characteristics of late and post glacial landscapes in the upper Midwest. National Science Foundation, Co-P.I. S. L. Forman, 7/1/2009-6/30/2013, \$73,611.
50. Tempo of seismic hazards for the Kango Fault, South Africa, 9/1/2011-1/1/2014, Council of Geoscience, Government of South Africa, \$46,052.
51. Land surface processes and dust sources for cultivated and uncultivated surfaces during the 1930s Dust Bowl Drought, USA. P.I. S.L. Forman, 5/1/2017-4/31/2018. National Geographic Society, \$16,600.
52. Land surface processes, dust sources and particulate fluxes for the 1930s Dust Bowl Drought area, Great Plains. P.I. S.L. Forman 6/1/2017-12/31/2020. National Science Foundation, \$222,125.
53. Evaluating proppant sand resources Delaware and Midland basins, west Texas, USA. P.I. S. L. Forman 10/31/2017-9/1/2018. Atlas Sand/Brigham Minerals \$110,000.
54. Three-dimensional modeling of the stratigraphic relationships and subsurface architecture of the Monahans and Kermit eolian fields, Ward and Winkler counties, Texas. 8/1/2018-7/31/2019. Atlas Sand/Brigham Minerals \$45,350.