

## Paul R. Hanson

### Professional Appointments

Associate Director, School of Natural Resources, University of Nebraska-Lincoln, January 2014-present  
Professor, University of Nebraska-Lincoln, School of Natural Resources, July 2017-present  
Associate Professor, University of Nebraska-Lincoln, School of Natural Resources, July 2011-2017  
Research Associate, Wisconsin Geological and Natural History Survey, 2011-present  
Assistant Professor, University of Nebraska-Lincoln, School of Natural Resources, October 2005-June 2011

### Education

University of Nebraska-Lincoln	Major: Geosciences	Ph.D., 2005
University of Nebraska-Lincoln	Major: Geosciences	M.S., 2003
University of Wisconsin-Milwaukee	Major: Anthropology	B.A., 1994

### Awards

Charles E. Bessey Award for the best Natural Sciences Paper in the journal *Great Plains Research* in 2013 for Puta et al. (see citation below) manuscript on dune evolution in northeastern Nebraska.

### Peer-Reviewed Publications

#### In Review/In Press

Huckleberry, G., Henderson, T.K., **Hanson, P.R.**, in review. Flood-damaged canals and human response, A.D. 1000-1400, Phoenix, Arizona, USA. *Journal of Field Archaeology*.  
Joeckel, R.M., **Hanson, P.R.**, Howard, L.M., accepted. Report of Pleistocene Polygonal Ground in North Central Nebraska. *Great Plains Research*.  
Joeckel, R.M., Diffendal, R.F., **Hanson, P.R.**, Korus, J.T., accepted. Geologic Mapping of Nebraska: Old Rocks, New Maps, Fresh Insights. *Great Plains Research*.

#### Published (38 published since 2003)

Hooke, R. LeB., **Hanson, P.R.**, 2017. Late- and Post-glacial history of the East Branch of the Penobscot River, Maine. *Atlantic Geology* 53, 285-300.  
Hooke, R. LeB., **Hanson, P.R.**, Belknap, D.F., Kelley, A.R., 2017, Late Holocene history of the Penobscot River in the Penobscot Lowland, Maine. *The Holocene* 27, 726-739.  
Mason, J.A., Jacobs, P.M., Guley, K.E., Reyerson, P., **Hanson, P.R.**, 2016. Parent

- Material Influence on Soil Response to Vegetation Change, Southeastern Minnesota, U.S.A. *Geoderma* 275, 1-17.
- Miao, X., Wang, H., **Hanson, P.R.**, Mason, J.A., Liu, X., 2016. Using both OSL and radiocarbon dates to constrain the time of soil development, *Geoderma* 261, 93-100.
- Wang, T., Istanbuluoglu, E., Wedin, D., **Hanson, P.R.**, 2015. Impacts of revegetation on the temporal evolution of soil saturated hydraulic conductivity in a vegetated sand dune area. *Environmental Earth Sciences* 73, 7651-7660.
- Hanson, P.R.**, Mason, J.A., Jacobs, P.M., Young, A.R., 2015, Evidence for Bioturbation of Luminescence Signals in Eolian Sand on Upland Ridgetops, Southeastern Minnesota, USA, *Quaternary International* 362, 108-115.
- Arbogast, A.F., Luehmann, M.D., Miller, B.A., Adams, K.M., Wernette, P.A., Waha, J.D., Oneil, G.A., Tang, Y., Boothroyd, J.J., Babcock, C.R., **Hanson, P.R.**, Daly, T.A., Young, A.R., 2015, Late-Pleistocene Paleowinds and Aeolian Sand Mobilization in North-Central Lower Michigan, *Aeolian Research* 16, 109-116.
- Dotterweich, M., Ivester, A.H., **Hanson, P.R.**, Larsen, D., Dye, D.H., 2014. Natural and human induced prehistoric and historical soil erosion and landscape development in southwestern Tennessee, USA. *Anthropocene* 8, 6-24.
- Rawling, E., III, **Hanson, P.R.**, 2014, Dune Formation on Sandy Bay Barriers along Lake Michigan's Door Peninsula: The Importance of Increased Sediment Supply Following the Nipissing and Algoma High Lake Level Phases. In: Geological Society of America Special Publication 508 entitled Coastline and Dune Evolution along the Great Lakes, T.G. Fisher and E. Hansen (eds), p. 65-84.
- Fisher, T.G., Castenda, M.R., Krantz, D.E., Loope, W.L., Jol, H.M., Goble, R., Higley, M.C., DeWald, S., **Hanson, P.R.**, 2014, Recent origins of Sand Point initiated by a late Holocene transgression. In: Geological Society of America Special Publication 508 entitled Coastline and Dune Evolution along the Great Lakes, T.G. Fisher and E. Hansen (eds), p. 85-110.
- Putz, R.A., **Hanson, P.R.**, Young, A.R., 2013, Late Holocene history of dune activity along the Elkhorn River in northeastern Nebraska, *Great Plains Research* 23 (1), 11-24. *Manuscript won the Charles E. Bessey Award for the best natural sciences article in Great Plains Research in 2013.*
- Carson, E.C., **Hanson, P.R.**, Attig, J.W., Young, A.R., 2012, Numeric control on the late-glacial chronology of the southern Laurentide Ice Sheet derived from ice-proximal lacustrine deposits, *Quaternary Research* 78, 583-589.
- Hanson, P.R.**, Korus, J.T., Divine, D.P., 2012, Three-dimensional hydrostratigraphy of the Platte River Valley near Ashland, Nebraska: Results from Helicopter Electromagnetic (HEM) mapping in the Eastern Nebraska Water Resources Assessment (ENWRA), Larson, D. (Ed.), Conservation and Survey Division Bulletin 2 (New Series), 58 p.
- Jacobs, P.M., Mason, J.A., **Hanson, P.R.**, 2012, Loess mantle spatial variability and soil horizonation, Southern Wisconsin, USA, *Quaternary International* 265, 43-53.
- Halfen, A.F., Johnson, W.C., **Hanson, P.R.**, Woodburn, T.L., Young, A.R., Ludvigson, G.A., 2012, Late Holocene dune activity in the Hutchinson dunes, east-central Kansas, USA, *Aeolian Research* 5, 9-20.
- Loope, W.L., Loope, H.M., Goble, R.J., Fisher, T.G., Lytle, D.E., Legg, R.J., Wysocki, D.A., **Hanson, P.R.**, Young, A.R., 2012, Dunes across interior eastern Upper Michigan reflect early Holocene forest destruction concurrent with hydrologic closure of the

- Upper Great Lakes, *Geology* 40, 315-318.
- Mason, J.A., Swinehart, J.B., **Hanson, P.R.**, Loope, D.B., Goble, R.J., Miao, X., Schmeisser, R., 2011, Late Pleistocene dune activity in the central Great Plains, USA, *Quaternary Science Reviews* 30, 3858-3870.
- Attig, J.W., **Hanson, P.R.**, Rawling, J.E., III, Young, A.R., Carson, E.C., 2011, Optical ages indicate the southwestern margin of the Green Bay Lobe was at its maximum extent until about 18,500 years ago, *Geomorphology* 130, 384-390.
- Jacobs, P.M., Mason, J.A., **Hanson, P.R.**, 2011, Mississippi Valley Regional Source of Loess on the Southern Green Bay Lobe Land Surface, Wisconsin, *Quaternary Research* 75, 574-583.
- Joeckel, R.M., Wally, K.D., Ang Clement, B.J., **Hanson, P.R.**, Dillon, J.S., 2011, Low-temperature extrapedogenic acidic weathering of sulfidic shales and neof ormation of aluminum-bearing minerals, eastern Nebraska, *Catena* 85, 253-266.
- Werner, C., Mason, J.A., **Hanson, P.R.**, 2011, Nonlinear connections between dune activity and climate in the High Plains, Kansas and Oklahoma, USA, *Quaternary Research* 75, 267-277.
- Blasi, A.M., Castineira Latorre, C., Del Puerto, L., Prieto, A.R., Fucks, E., De Francesco, C., **Hanson, P.R.**, Garcia-Rodriguez, F., Huarte, R., Carbonari, J., Young, A.R., 2010, Paleoambientes de la Cuenca media del Rio Lujan (Buenos Aires, Argentina) durante el ultimo periodo glacial (EIO 4-2), *Latin American Journal of Sedimentology and Basin Analysis* 17, 85-110.
- Arbogast, A.F., Bigsby, M.E., Devisser, M.H., Langley, S.A., **Hanson, P.R.**, Daly, T.A., Young, A.R., 2010, Reconstructing the age of coastal sand dunes along the northwestern shore of Lake Huron in Lower Michigan: Paleoenvironmental implications and regional comparisons, *Aeolian Research* 2, 83-92.
- Saunders, J.J., Grimm, E.C., Widga, C.C., Campbell, G.D., Curry, B.B., Grimley, D.A., **Hanson, P.R.**, McCullum, J.P., Oliver, J.S., Treworgy, J.D., 2010, "A New Land of the Eye:" Paradigms and proboscideans in the southern Great Lakes region, USA, *Quaternary International* 217, 175-187.
- Miao, X., **Hanson, P.R.**, Wang, H., Young, A.R., 2010, Sand Dune Age and Provenance in the Green River Lowland of Illinois, Upper Midwestern United States, *Quaternary Science Reviews* 29, 763-773.
- Hanson, P.R.**, Arbogast, A.F., Johnson, W.C., Joeckel, R.M., Young, A.R., 2010, Megadroughts and late Holocene dune activation at the eastern margin of the Great Plains, North-Central Kansas, USA, *Aeolian Research* 1, 101-110.
- Powell, L.A., Tyre, A.J., Hygnstrom, S.E., Wedin, D.A., **Hanson, P.R.**, Kuzila, M.S., Swinehart, J.B., 2009, Wilderness serendipity: how to plan and assess learning experiences during an experiential field course, *North American Colleges and Teachers of Agriculture Journal* 53, p. 56-61.
- Hanson, P.R.**, Joeckel, R.M., Young, A.R., Horn, J., 2009, Late Holocene Dune Activity in the Eastern Platte River Valley, Nebraska, *Geomorphology* 103, 555-561.
- Mason, J.A., Miao, X., **Hanson, P.R.**, Johnson, W.C., Jacobs, P.M., Goble, R.J., 2008, Loess record of the last Glacial-Interglacial transition on the northern and central Great Plains, *Quaternary Science Reviews* 27, 1772-1783.
- Rawling, J.E., III, **Hanson, P.R.**, Young, A.R., Attig, J.W., 2008, Late Pleistocene dune construction in the Central Sand Plain of Wisconsin, USA, *Geomorphology* 100, 494-

- Morgan, M.L., Matthews, V., Gutierrez, F., Thorson, J.P., Madole, R.F., **Hanson, P.R.**, 2008, From buttes to bowls: Repeated relief inversions in the landscape of the Colorado Piedmont, in Reynolds, R.G., ed., *Roaming the Rocky Mountains and Environs: Geological Field Trips: Geological Society of America Field Guide 10*, 203-216.
- Burkhart, P.A., Rawling, J.E. III, Livingston, J., **Hanson, P.R.**, Mahan, S., Benton, R., Heffron, E., Jahn, M., Anderson, T., Page, B., 2008, Late Pleistocene through Holocene Landscape Evolution of the White River Badlands, South Dakota, in Reynolds, R.G., ed., *Roaming the Rocky Mountains and Environs: Geological Field Trips: Geological Society of America Field Guide 10*, 235-248.
- Joeckel, R.M., Wally, K.D., Fischbein, S.A., **Hanson, P.R.**, 2007, Sulfate mineral paragenesis in Pennsylvanian rocks and occurrence of slavikite, Nebraska, USA, *Great Plains Research* 17, 17-33.
- Miao, X., Mason, J.A., Swinehart, J.B., Loope, D.B., **Hanson, P.R.**, Goble, R.J., Liu, X., 2007, A 10,000-year record of dune activity, dust storms, and drought in the central Great Plains, *Geology* 35, 119-122.
- Hanson, P.R.**, Mason, J.A. and Goble, R.J., 2006, The formation of fluvial terraces along Wyoming's Laramie Range as a response to late Pleistocene flooding events. *Geomorphology* 76, 12-25.
- Miao, X., Mason, J.A., Goble, R.J. and **Hanson, P.R.**, 2005, Loess-inferred dry climate and eolian activity in the early to mid-Holocene, central Great Plains, North America. *The Holocene* 15, 339-346.
- Hanson, P.R.**, Mason, J.A. and Goble, R.J., 2004, Episodic late Quaternary slope wash deposition as recorded in colluvial aprons, southeastern Wyoming. *Quaternary Science Reviews* 23, 1835-1846.
- Mason, J.A., Jacobs, P.M., **Hanson, P.R.**, Miao, X. and Goble, R.J., 2003, Sources and paleoclimatic significance of Holocene Bignell Loess, central Great Plains, U.S.A. *Quaternary Research* 60, 330-339.

### **Technical Reports and Articles that were not Peer-Reviewed**

- Mahan, S.A., Nelson, M.S., Rittenour, T.M., **Hanson, P.R.**, Rhodes, E., 2015, the 9<sup>th</sup> new World Luminescence Dating Workshop: Aim of the community and scope of the conference proceedings. *Quaternary International* 362, p. 1-2.
- Jacobs, P.M., Mason, J.A., **Hanson, P.R.**, 2012, Mississippi Valley Regional Source of Loess on the Southern Green Bay Lobe Land Surface, Wisconsin—Response to comments by Randall Schaetzl, *Quaternary Research* 78, 152-153.
- Blikre, L., Benn, D.W., Lee, D., **Hanson, P.R.**, 2010, Phase III data recovery excavations at the Cochran Site (13LE634) US Highway 61, Fort Madison Bypass Lee County, Iowa, Iowa Department of Transportation, Ames, Iowa, 235 p.
- Divine, D.P., Joeckel, R.M., Korus, J.T., **Hanson, P.R.**, Olafsen Lackey, S., 2009, Eastern Nebraska Water Resources Assessment (ENWRA): Introduction to a Hydrogeologic Study, University of Nebraska-Lincoln, Conservation and Survey Division Bulletin 1 (New Series), 32 p.

**Digital Geologic Maps and Geologic Cross-Sections (29 since 2003) (\*\*denotes map was internally peer-reviewed in the USGS)**

- Hanson, P.R.**, Young, A.R., Larsen, A.K., Howard, L.M., Dillon, J.S., 2017. Surficial Geology of the Fairmont 7.5 Minute Quadrangle, Nebraska.
- Young, A.R., **Hanson, P.R.**, Larsen, A.K., Howard, L.M., Dillon, J.S., 2017. Surficial Geology of the Exeter 7.5 Minute Quadrangle, Nebraska.
- Dillon, J.S., **Hanson, P.R.**, Larsen, A., Raymond, C., Howard, L., 2016. Surficial geology of the Kearney SW 7.5-minute quadrangle.  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- \*\*Berry, M.E., Slate, J.L., Paces, J.B., **Hanson, P.R.**, and Brandt, T.R., 2015. Geologic map of the Masters 7.5' quadrangle, Weld and Morgan Counties, Colorado. U.S. Geological Survey Scientific Investigations Map 3334, 1 sheet, 1:24,000,  
<http://pubs.er.usgs.gov/publication/sim3344>.
- \*\*Berry, M.E., Slate, J.L., **Hanson, P.R.**, and Brandt, T.R., 2015. Geologic map of the Orchard 7.5' quadrangle, Morgan County, Colorado. U.S. Geological Survey Scientific Investigations Map 3331, 1 sheet, 1:24,000,  
<http://dx.doi.org/10.3133/sim3331>.
- Hanson, P.R.**, Bruihler, J., Howard, L.M., 2015. Surficial Geology of the Hershey East 7.5 Minute Quadrangle, Nebraska,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Young, A.R., **Hanson, P.R.**, Howard, L.M., 2015. Surficial Geology of the Fairfield 7.5 Minute Quadrangle, Nebraska,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Hanson, P.R.**, Dillon, J.S., Bruihler, J., Howard, L.M., 2014. Surficial Geology of the Kearney 7.5 Minute Quadrangle, Nebraska,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Young, A.R., Howard, L.M., **Hanson, P.R.**, Kuzila, M.S., 2014. Surficial Geology of the Crete North 7.5 Minute Quadrangle, Nebraska,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Dillon, J.S., **Hanson, P.R.**, Howard, L.M., 2013, Surficial Geologic Map of the Fordyce, Nebraska 7.5-Minute Quadrangle,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Young, A.R., **Hanson, P.R.**, Howard, L.M., 2013, Surficial Geologic Map of the Hershey West, Nebraska 7.5-Minute Quadrangle,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Korus, J.T., Divine, D.P., **Hanson, P.R.**, Dillon, J.S., 2012, Three Geologic Cross Sections across Portions of eastern Nebraska showing Quaternary Lithologic Units and Stratigraphy of Uppermost Bedrock. Conservation and Survey Division, Correlations and Cross Sections (CCS) 18-1, 16 p.
- Hanson, P.R.**, Young, A.R., Howard, L.M., 2012, Surficial Geologic Map of the Emerald, Nebraska 7.5-Minute Quadrangle,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Young, A.R., **Hanson, P.R.**, Howard, L.M., 2012, Surficial Geologic Map of the Gothenburg, Nebraska 7.5-Minute Quadrangle,  
<http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>

- Dillon, J.S., **Hanson, P.R.**, Howard, L.M., 2012, Surficial Geologic Map of the Hartington, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Dillon, J.S., **Hanson, P.R.**, Howard, L.M., 2011, Surficial Geologic map of the Coleridge SE, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Young, A.R., **Hanson, P.R.**, Howard, L.M., 2011, Surficial Geologic Map of the North Platte West, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Young, A.R., **Hanson, P.R.**, Howard, L.M., 2010, Surficial Geologic Map and Interpretive Geological Cross-Section of the Schuyler, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Young, A.R., **Hanson, P.R.**, Howard, L.M., 2010, Surficial Geologic Map of the Denton, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Dillon, J.S., **Hanson, P.R.**, Young, A.R., Howard, L.M., 2010, Surficial Geologic map of the Coleridge, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Hanson, P.R.**, Young, A.R., Howard, L.M., 2009, Surficial Geologic Map and Interpretive Geological Cross-Section of the Duncan, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Dillon, J.S., **Hanson, P.R.**, Young, A.R., Howard, L.M., 2009, Surficial Geologic map of the Obert, Nebraska 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Hanson, P.R.**, Hooke, R. LeB., Kelley, A.R., 2008, Optically stimulated luminescence ages on sand dunes near Greenbush, Maine, in Hooke, R. LeB., Metcalfe, E., Wiesner, R., 2009, Surficial geology of the Greenbush Quadrangle, Maine. Maine Geological Survey Open File Report No. 09-1. (<http://www.maine.gov/doc/nrimc/mgs/pubs/online/surficial/qc-greenbush-sidebar.pdf>)
- Hanson, P.R.**, Young, A.R., 2008, Surficial Geologic map of the Silver Creek SE 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Dillon, J.S., **Hanson, P.R.**, Joeckel, R.M., Young, A.R., Kuzila, M.S., 2008, Surficial Geologic map of the Wynot 7.5-Minute Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Noe, D.C., Morgan, M.L., **Hanson, P.R.**, Keller, S.M., 2007, Geologic map of the Montrose East quadrangle, Montrose County, Colorado, Colorado Geological Survey Open-File Report 07-02, CD-ROM
- Hanson, P.R.**, Young, A.R., 2007, Surficial geologic map of the Columbus, Nebraska 7.5' Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Hanson, P.R.**, Young, A.R., 2007, Surficial geologic map of the Columbus SW, Nebraska 7.5' Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>
- Hanson, P.R.**, Mason, J.A., 2003, Surficial Geologic Map of the Rogers, Nebraska 7.5' Quadrangle, <http://snr.unl.edu/data/geologysoils/STATEMAP/index.aspx>

## Field Trip Guidebooks

- Joeckel, R.M., Divine, D.P., **Hanson, P.R.**, Howard, L., 2017. Geology of northeastern Nebraska and environs: Cedar, Dakota, and Dixon Counties in Nebraska, and Plymouth and Woodbury County in Iowa. Conservation and Survey Division Guidebook No. 21, 65 p.
- Dillon, J.S., **Hanson, P.R.**, Larsen, A., Bruihler, J., Raymond, C., 2016. Geology of the Platte River Valley near Kearney, Nebraska. Nebraska Conservation and Survey Division Guide Book 19, 23 p.
- Mason, J.A. and Knox, J.C., with Attig, J.W., Faulkner, D.J., **Hanson, P.R.**, Jacobs, P.M., Jol, H., Kuchta, M., Loope, H., Rawling, J.E., Running, G., Stanley, K.E., Young, A.R., 2011, Late Quaternary Landscape Dynamics Beyond the Ice Margin in the Upper Mississippi Valley, Geological Society of America Annual Meeting Field Trip Guidebook, 77 p.
- Hooke, R. LeB., **Hanson, P.R.**, 2010, Optically stimulated luminescence ages of sands from Penobscot River terraces and eolian dunes, 102<sup>nd</sup> New England Intercollegiate Geological Conference, Oct 1-3.
- Rawling, J.E., **Hanson, P.R.**, Young, A., 2007, Preliminary optical luminescence ages from eolian sand in the Central Sand Plain of Wisconsin, Midwest Friends of the Pleistocene Field Trip Guidebook Supplement
- Bettis, E.A., III, Mason, J.A., Swinehart, J.B., Miao, X.-D., **Hanson, P.R.**, Goble, R.J., Loope, D.B., Jacobs, P.M., Roberts, H.M., 2003, Cenozoic eolian sedimentary systems of the USA mid-continent. In D. Easterbrook (ed.), Quaternary Geology of the United States. Geological Society of America, Boulder, Colorado, pp. 195-218.

## Grants Awarded (\$1,782,211 since 2005)

- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 9/2017-9/2018, “Geologic Mapping of the Axtell East, Edgar NW and Sparks 7.5-Minute Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, A.R. Young, \$43,093.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 9/2016-9/2017, “Geologic Mapping of the Exeter, Fairmont, and Norden 7.5-Minute Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, A.R. Young, \$44,140.
- Natural Resources Conservation Service, Digital video training materials for the soil survey program, U.S. Dept. of Agriculture, 9/2016-9/2019, PI: **P.R. Hanson**, \$12,000.
- Natural Resources Conservation Service, Quality of Soils from Selected Areas of the United States, U.S. Dept. of Agriculture, 9/2015-9/2017. Soil Quality in Selected Areas of the U.S., PI: **P.R. Hanson**, \$215,000.
- Natural Resources Conservation Service, Soil Survey Information Production and Management, U.S. Dept. of Agriculture, 9/2015-9/2018. Soil Survey Information Production and Management, PI: **P.R. Hanson**, \$206,700.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program,

- 9/2015-9/2016, “Geologic Mapping of the Kearney SW, Raymond and Sparks 7.5-Minute Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, A.R. Young, J.T. Korus, \$45,909.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 9/2014-9/2015, “Geologic Mapping of the Cornell Dam, Du Bois, Fairfield and Hershey East 7.5-Minute Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, A.R. Young, J.T. Korus, M. Kuzila, \$65,623.
- Natural Resources Conservation Service, Scanning and Geo-Rectifying Historical Aerial Photographs from Nebraska, 9/2016-9/2018, PI: L. Howard, Co-PI: **P.R. Hanson**, \$100,000.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2013, “Geologic Mapping of the Crete North, Kearney, Scotia, and Table Rock 7.5-Minute Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, A.R. Young, J.T. Korus, M. Kuzila, \$72,636.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2012, “Geologic Mapping of the Fordyce, Gross, Hershey West and Naper 7.5-Minute Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, M. Kuzila, \$69,667.
- United States Geological Survey, Optically Stimulated Luminescence (OSL) Dating of Sediment Samples for the USGS, 2012, PI: **P.R. Hanson**, \$15522.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2011, “Geologic Mapping of the Emerald, Gothenburg, Hartington and Verdel Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, M. Kuzila, \$71,017.
- United States Geological Survey Global Climate Change Initiative, 2010, Interdune stratigraphy in the Crescent Lake National Wildlife Refuge, Nebraska, PI: **P.R. Hanson**, \$65,000.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2010, “Geologic Mapping of the Coleridge SE, Marty, North Platte West, and Ogallala Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, M. Kuzila, \$75,854.
- Lower Platte North Natural Resource District, “Eastern Nebraska Water Resources Assessment”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, S. Lackey, 2009-2010, \$84,500.
- Lower Platte South Natural Resource District, “Eastern Nebraska HEM Aquifer Mapping”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, J.T. Korus, 2009-2010, \$60,000.
- Lower Platte North Natural Resource District, “Eastern Nebraska Water Resources Assessment”, PI’s: S. Lackey, **P.R. Hanson**, R.M. Joeckel, 2009-2010, \$17,080.
- National Science Foundation, 2009-2010, Collaborative Research: Linking Loess Landforms and Eolian Processes (EAR 0921838), PI’s: J.A. Mason, **P.R. Hanson**, M. Sweeney, UNL Share = \$45,730.
- National Science Foundation, 2010-2012, Collaborative Research: Dune Undergraduate Geomorphology and Geochronology (DUGG) Project in Wisconsin (EAR 0850525), PI’s: J.E. Rawling, III, **P.R. Hanson**, UNL Share = \$45,331.
- United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2009, “Geologic Mapping of the Coleridge, Denton, Lynch, and Schuyler



Quadrangles, Nebraska”, PI: **P.R. Hanson**, co-PI’s: R.M. Joeckel, M. Kuzila, \$82,156.

National Science Foundation, 2008-2009, Collaborative Research: How Important is the Loess Mantle in Midwestern Soil Catena Evolution? (BCS 0751911), PI’s: J.A. Mason, P. Jacobs, **P.R. Hanson**, UN-L share = \$27,219.

United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2008, “Geologic Mapping of the Duncan, Hallam, and Obert Quadrangles, Nebraska”, PI’s: **P.R. Hanson**, R.M. Joeckel, M. Kuzila, \$49,759.

Lower Platte North Natural Resource District, “Eastern Nebraska Water Resources Assessment”, PI: S. Lackey, co-PI’s: **P.R. Hanson**, R.M. Joeckel, 2007-2010, \$216,000.

UNL Office of Research Layman Award “Evaluating the Effects of Climate Change on Flood Magnitudes in the Central Great Plains: A Case Study from Two Nebraska Streams”, PI: **P.R. Hanson**, \$10,000, 2006-2008.

United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2007, “Geologic Mapping of the Doniphan, Grand Island, Silver Creek SE, and Wynot Quadrangles, Nebraska”, PI’s: **P.R. Hanson**, R.M. Joeckel, \$68,053.

United States Geological Survey STATEMAP Cooperative Geologic Mapping Program, 2006, “Geologic Mapping of the Columbus, Columbus SW, Cortland, and Firth Quadrangles, Nebraska”, PI’s: **P.R. Hanson**, R.M. Joeckel, J. B. Swinehart, \$56,378.

Myerly-Martin Prize for Outstanding Graduate Student, Department of Geosciences, University of Nebraska-Lincoln (2005)

University of Nebraska-Lincoln Department of Geosciences Fellowship (Summer 2000 and 2004)

National Science Foundation Doctoral Dissertation Improvement Grant, “Doctoral Dissertation Research: Precipitation Pulses and Geomorphic Response during Periods of Late Quaternary Climate Change, Western United States”, \$12,000, 2003-2005)

Geological Society of America Graduate Student Research Grant (2002)

Lincoln Gem and Mineral Association Grant (2001)

Center for Great Plains Studies Research Grant (2000)

### **Invited Presentations**

**Hanson, P.R.**, 2015. Dating fluvial sediments with luminescence: Improving our understanding of late Quaternary stream evolution. University of Maine, May 1, 2015.

**Hanson, P.R.**, 2015. Paleoclimate records of Holocene drought events from sand dunes on the Great Plains, University of Maine, April 30, 2015.

**Hanson, P.R.**, 2014, Records of extreme drought events from sand dunes in the central Great Plains. Center for Great Plains Studies Drought Symposium, April 1-4, Lincoln, Nebraska.

**Hanson, P.R.**, Korus, J.T., Divine, D., 2012, Three-dimensional hydrostratigraphy of the Platte River Valley near Ashland, Nebraska: Results from Helicopter Electromagnetic (HEM) mapping, Nebraska Geological Society, July 29, 2012.

Carson, E.C., Attig, J.W., **Hanson, P.R.**, Young, A.R., 2011, Geochronology of late

- Wisconsin ice margin fluctuations of the southern Laurentide ice sheet, Geological Society of America Abstracts with Programs 43, no 5, p. 32.
- Joeckel, R.M., Korus, J.T., **Hanson, P.R.**, Divine, D., Olafsen Lackey, S., 2011, Integrated helicopter electromagnetic and borehole interpretation of aquifers in alluvial valleys and under dissected till plains, Nebraska, USA, Geological Society of America Abstracts with Programs 43, no 5, p. 224.
- Hanson, P.R.**, Korus, J.T., Divine, D., 2010, Three-dimensional hydrostratigraphy of the Platte River Valley near Ashland, Nebraska: Results from Helicopter Electromagnetic (HEM) mapping, Eastern Nebraska Groundwater Modeling Working Group, July 29, 2010.
- Hanson, P.R.**, Korus, J.T., Divine, D., 2010, Three-dimensional hydrostratigraphy of the Platte River Valley near Ashland, Nebraska: Results from Helicopter Electromagnetic (HEM) mapping, United States Geological Survey Geophysics Workshop (GW2593): Geophysical Methods to Assess Saline Groundwater Resources, Lincoln, NE, May 18, 2010.
- Hanson, P.R.**, 2010, Unraveling Nebraska's Recent Geologic Past: Insight from the last 10 years of geologic research, Lincoln Gem and Mineral Club's 52<sup>nd</sup> Annual Show, Lincoln, Nebraska, April 3, 2010.
- Hanson, P.R.**, 2007, Geochronologic and Geomorphic evidence for stream terrace reoccupation along the Laramie Range, Wyoming, Geological Society of America Annual Meeting, Denver, Colorado, v. 39, p. 514.
- Hanson, P.R.**, 2006, Application of optical dating methods to alluvial and eolian sediments: Recent results from the University of Nebraska-Lincoln Luminescence Dating Laboratory, University of Iowa Department of Geoscience, October 13, 2006.
- Hanson, P.R.**, 2005, The stream power model and terrace genesis in the central Rocky Mountains, Geological Society of America 2005 Rocky Mountain Section Meeting, Abstracts with Programs 37 No. 6, p. 16.

### **Presentations (2013-present)**

- Larsen, A.K., **Hanson, P.R.**, 2018. Dune Formation South of the Niobrara River Valley, North-Central Nebraska Sand Hills. Geological Society of America Abstracts with Programs
- Rawling, J.E., III, **Hanson, P.R.**, Larsen, A.K., Carson, E.C., 2018. Using high resolution LiDAR-derived DEM's to interpret early Holocene dunes and their reactivation around 4000 yrs ago in northwest Wisconsin. Geological Society of America Abstracts with Programs
- Baldauf, P., Burkhart, P., **Hanson, P.R.**, 2017. Episodic reactivation of Quaternary Aeolian deposits, White River Badlands, South Dakota, northern Great Plains. Geological Society of America Abstracts with Programs Vol. 49, no. 6.
- Johnson, W.C., **Hanson, P.R.**, Halfen, A.F., 2017. Dune systems of the central and southern Great Plains, USA. Geological Society of America Abstracts with Programs Vol. 49, no. 6.
- O'Brien, S.T., Ivester, A.H., Jennings, T.A., Elliott, D.T., Ashlock, D.C., **Hanson, P.R.**, 2017. Reconstructing Archaic Landscapes in the Sandhills: A Geoarchaeological

- Analysis of Eolian Depositional Environments at Fort Benning, Georgia. Geological Society of America Abstracts with Programs 49, no. 3.
- Miles, M., Burkhart, P., Baldauf, P., **Hanson, P.R.**, 2017. Geomorphic forcing upon the White River Badlands in the Context of the Medieval Climate Anomaly, as Recorded by Proxies across the Mid-Continent, North America. Geological Society of America Abstracts with Programs 49, No. 2.
- Baldauf, P., Burkhart, P., **Hanson, P.R.**, 2016. Quaternary Aeolian chronology, White River Badlands, South Dakota, northern Great Plains, Geological Society of America Abstracts with Programs Vol. 48, No. 7.
- Jarrin, D., Aslan, A., Mahan, S.A., **Hanson, P.R.**, 2016. Geochronology of late Pleistocene glacial deposits near Ridgway, Colorado, northern San Juan Mountains, Geological Society of America Abstracts with Programs Vol. 48, No. 7.
- Mahan, S.A., **Hanson, P.R.**, Mead, J., Holen, S., 2016. The Mammoth Site at Hot Springs, South Dakota: Use of OSL dating to calibrate the sinkhole time machine, Geological Society of America Abstracts with Programs Vol. 48, No. 7.
- Mandel, R., Bettis, E.A. III, **Hanson, P.R.**, 2016. Characteristics and geochronology of the Severance Formation: A new mid- through late Wisconsinan lithostratigraphic unit in the eastern Plains of North America, Geological Society of America Abstracts with Programs Vol. 48, No. 7.
- Mandel, R., Bettis, E.A. III, **Hanson, P.R.**, 2016. Characteristics and geochronology of the Severance Formation: A new mid- through late Wisconsinan lithostratigraphic unit in the eastern Plains of North America, American Quaternary Association, June 2016.
- Mahan, S., Gray, H., **Hanson, P.R.**, 2016. Luminescence geochronology: Progress, products and predictions, American Quaternary Association, June 2016.
- Dillon, J.S., **Hanson, P.R.**, Larsen, A.K., Bruhler, J.C., Howard, L.M., 2015. Additional subsurface investigations from Platte River terrace alluvium in the Kearney Quadrangle, south-central Nebraska, USA. Great Plains/Rocky Mountain American Association of Geographers Conference, Kearney, Nebraska, October 1-3.
- Bruhler, J.C., **Hanson, P.R.**, 2015. Determining thicknesses of late Pleistocene and Holocene fills in the Platte River valley using optically stimulated luminescence dating, Great Plains/Rocky Mountain American Association of Geographers Conference, Kearney, Nebraska, October 1-3.
- Olson, Z.T., **Hanson, P.R.**, 2015. Sand Ridge Formation in the eastern Platte River valley, Great Plains/Rocky Mountain American Association of Geographers Conference, Kearney, Nebraska, October 1-3.
- Cruz, C.J., **Hanson, P.R.**, 2015. Assessing Landslide Susceptibility in Northeastern Nebraska Using LiDAR Data, GIS and Qualitative Methods, Great Plains/Rocky Mountain American Association of Geographers Conference, Kearney, Nebraska, October 1-3.
- Baldauf, P., Burkhart, P.A., **Hanson, P.R.**, 2015. Aeolian response to late Quaternary drought, White River Badlands, South Dakota, northern Great Plains. Geological Society of America Annual Meeting, Baltimore, Maryland, November 2015.
- Bruhler, J.C., **Hanson, P.R.**, 2015. Determining Thicknesses of late Pleistocene and Holocene Fills in the Platte River Valley using Optically Stimulated Luminescence Dating. Geological Society of America Annual Meeting, Baltimore, Maryland, November 2015.
- Halfen, A.F., Johnson, W.C., Messner, C.A., Gaines, E.P., **Hanson, P.R.**, Rittenour, T.M.,

- Young, A.R., 2015. Refining paleoenvironmental conditions during the Pleistocene-Holocene transition in eastern Beringia using Post-IR IRSL. Geological Society of America Annual Meeting, Baltimore, Maryland, November 2015.
- Sweeney, M.R., McDonald, E.V., **Hanson, P.R.**, Chabela, L.P., 2015. Sand dunes exert control on alluvial base level and soil formation, eastern Mojave Desert, USA. Geological Society of America Annual Meeting, Baltimore, Maryland, November 2015.
- Hanson, P.R.**, Howard, J.B., and Abbott, D.R., 2015. Dating pre-Colonial canal fills using single-grain OSL, Phoenix, Arizona, USA. 3<sup>rd</sup> Luminescence in Archaeology International Symposium, Paris, France September 1-4, 2015.
- Johnson, W.C., Messner, C.A., **Hanson, P.R.**, Young, A.R., Rittenour, T.M., Gaines, E.P., 2015. Latest Pleistocene/Early Holocene Dune Activity in the Tanana Lowlands of Central Alaska, 10<sup>th</sup> New World Luminescence Dating Workshop, Kansas State University, June 18-20, 2015.
- Hanson, P.R.**, Howard, J.B., and Abbott, D.R., 2015. Single-grain OSL dating results from pre-Colonial canal fills in Arizona. 10<sup>th</sup> New World Luminescence Dating Workshop, Kansas State University, June 18-20, 2015.
- Bruhler, J.C., **Hanson, P.R.**, 2015. Differentiating late Pleistocene and Holocene sediments in the Platte River valley using optically stimulated luminescence dating. 10<sup>th</sup> New World Luminescence Dating Workshop, Kansas State University, June 18-20, 2015.
- Dotterweich, M., Ivester, A.H., **Hanson, P.R.**, Larsen, D., Dye, D.H., Foster II, T.H., 2015. Human induced prehistoric and historical soil erosion and landscape development in southwestern USA. European Geophysical Union General Assembly 2015, Vienna Austria April 12-17, (EGU2015-15721).
- Dillon, J.S., **Hanson, P.R.**, Baker, D., Bruhler, J., 2015. An occurrence of late-Pleistocene spruce macrofossils in a Platte River terrace fill, south-central Nebraska, USA. Geological Society of America North-Central Section Meeting.
- Jacobs, P.M., Ejniak, J., Mason, J.A., **Hanson, P.R.**, 2015. Geochemistry and mineralogy of loess in Wisconsin indicates Great Plains source area. Geological Society of America North-Central Section Meeting.
- Dillon, J.S., **Hanson, P.R.**, Bruhler, J., Howard, L.M., 2014. New geologic mapping and OSL ages of Platte River floodplain and terrace alluvium in the Kearney Quadrangle, south-central Nebraska, USA. American Association of Geographers Great Plains-Rocky Mountain Meeting, Albuquerque, NM, Oct. 23-25.
- Hanson, P.R.**, Lee, K-Y, Howard, L., 2014. Historic changes in stream channel migration rates in Long Pine Creek, Nebraska. Geological Society of America Annual Meeting, Vancouver, Canada, October.
- Jacobs, P.M., Ejniak, J., Mason, J.A., **Hanson, P.R.**, 2014, Geochemistry and mineralogy of loess in Wisconsin indicates Great Plains source area, American Quaternary Association 23<sup>rd</sup> Biennial Meeting, Aug. 7-10, Seattle, Washington.
- Mason, J.A., Sweeney, M.R., **Hanson, P.R.**, 2014. Wind-aligned landforms in thick loess of the central U.S.: Mechanisms of formation and paleoenvironmental significance. 7<sup>th</sup> International Loess Seminar, Sept 8-15, Warsaw, Poland.
- Dotterweich, M., Ivester, A.H., **Hanson, P.R.**, Brown, R., Foster, Thomas II, 2014, Effects and responses of prehistorical agriculture to soil erosion in southeastern North America, Open PAGES Focus 4 Workshop on Human-Climate-Ecosystem

- Interactions, Feb. 3-7, University of Leuven, Belgium.
- Bruhler, J., **Hanson, P.R.**, 2014, Differentiating Pleistocene and Holocene sediments in the Platte River valley using optically-stimulated luminescence dating. Geological Society of America Abstracts with Programs 46, p. 65.
- Miao, X., **Hanson, P.R.**, Stohr, C., Wang, H., 2014, Holocene loess of Illinois revealed through OSL dating, Geological Society of America Abstracts with Programs 46, p. 65.
- Hanson, P.R.**, Dillon, J.S., 2014. OSL dating indicates wind erosion in loess landscapes of northeastern Nebraska occurred during the late Pleistocene, Geological Society of America Abstracts with Programs 46, p. 62.
- Miao, X., **Hanson, P.R.**, Stohr, C.J., Wang, H., 2014. Holocene loess of Illinois revealed through OSL dating and its paleoclimatic and geoarchaeological significance, 14<sup>th</sup> International Conference on Luminescence and Electron Spin Resonance Dating Book of Abstracts, p. 138.
- Hanson, P.R.**, Dotterweich, M., Ivester, A.H., 2014. Comparisons of multiple- and single-grain OSL dating results from alluvium within gully and small stream deposits in the southeastern United States. 14<sup>th</sup> International Conference on Luminescence and Electron Spin Resonance Dating Book of Abstracts, p. 73.
- Rawling, J.E., III, Presiado, R., **Hanson, P.R.**, 2013, Research, Recruitment, and Assessment Strategies From The Dune Undergraduate Geomorphology and Geochronology (DUGG) REU Site at the University of Wisconsin-Platteville, American Geophysical Union, December 2013.
- Berry, M.E., Slate, J.L., **Hanson, P.R.**, 2013, Indications of rapid geomorphic response of the South Platte River system in eastern Colorado during the late Pleistocene-Holocene transition, Geological Society of America Abstracts with Programs Vol. 45, No. 7, p. 190.
- Loope, H.M., Mason, J.A., Goble, R.J., **Hanson, P.R.**, Young, A.R., 2013, Chronology and paleoenvironmental significance of eolian sand activity south of the Laurentide Ice Sheet during the last glacial period, Upper Mississippi River basin, Geological Society of America Abstracts with Programs Vol. 45, No. 7, p. 192.
- Hanson, P.R.**, Mason, J.A., Jacobs, P.M., Young, A.R., 2013, Evidence for Post-Burial Resetting of Luminescence Signals in Eolian Sand on Upland Ridges in Southeastern Minnesota, 9<sup>th</sup> New World Luminescence Dating Workshop, Logan, Utah, August 16-17, 2013.
- Hanson, P.R.**, Rawling, J.E., III, 2013, Impact of the Nipissing and Algoma high lake phases from OSL dating of baymouth barrier systems in the Door Peninsula, Wisconsin, Geological Society of America North Central Section, May 2013.
- Berry, M.E., Slate, J.L., **Hanson, P.R.**, 2013, Surficial geologic mapping along the South Platte River Corridor, eastern Colorado, and what preliminary results imply about river response during the late Pleistocene-Holocene transition. Geological Society of America Rocky Mountain Section Meeting, May, 2013.

## Courses Taught

GEOG 155 Introduction to Physical Geography (Spring 2009; Summer 2009; Fall, 2009;

Spring 2010; Fall 2010; Spring 2011; Spring 2012; Fall 2012; Spring 2013; Spring 2014; Spring 2015; Spring 2016; Spring 2017; Spring 2018)  
GEOG 491/898 Field Tour of Great Plains and Rocky Mountains (Summer 2012, 2013, 2014)  
NRES 492 Puerto Rico Field Course (Spring 2009, 2011, 2012, 2013)  
NRES 492 Minnesota Boundary Waters Field Course (Summers 2007 & 2008)  
NRES 891 Seminar in Natural Resources, Presentation Focus (Fall, 2007)  
NRES 498/898 Special Topics: Luminescence Dating Applications (Fall, 2016)

## **Professional Activities and Service**

### **Professional Memberships**

Member of the Geological Society of America (1998-present)  
Fellow of the Center for Great Plains Studies (2006-present)  
Gamma Theta Upsilon (2017-present)  
Nebraska Geological Society (2017-present)  
Nebraska Society of Professional Soil Scientists (2017-present)

### **University Service**

Member, search committee for UNL Geography Program Director, Fall 2016 & Fall 2017  
Chair, search committee for School of Natural Resources Recruitment Coordinator, August 2016  
Chair, search committee for Geography Program Professor of Practice, May 2016  
Member, search committee for Pedologist Faculty Position in the School of Natural Resources, May 2016  
Chair, search committee for School of Natural Resources Communication Associate, March 2016  
Chair, search committee for School of Natural Resources Administrative Associate, March 2015  
Member, School of Natural Resources Faculty Advisory Committee, 2009-2012  
Member, School of Natural Resources Safety and Facilities Committee, 2006-2009  
Member, School of Natural Resources Research Committee, 2007-2010

### **Service to the Scientific Community**

Served as Vice-Chair of the North-Central Section of the Geological Society of America's Meeting held in Lincoln, Nebraska in April 2014  
Served as a Guest Editor for conference proceedings from the 9<sup>th</sup> New World Luminescence Dating Workshop that were published in the Journal *Quaternary International* in 2014.  
I was nominated to and served on the North-Central Section of the Geological Society of America Management Board which serves ~ 3,600 members (2012-2015).

### **Meetings/Events Hosted**

Hosted Region V Soil Judging competition in Lincoln, Nebraska, October 9-14, 2016.  
Hosted the 11<sup>th</sup> New World Luminescence Dating Workshop in Lincoln, Nebraska, May 19-21, 2016.  
Served as Vice-Chair of the North-Central Section of the Geological Society of America's Meeting held in Lincoln, Nebraska in April 2014

### **Short Courses Taught/Field Trips Lead**

Co-taught Range Management Short Course in Chadron, Nebraska to ~ 35 professionals, June 20-21, 2016.  
Co-lead field trip on the surficial geology of the Kearney, NE area for the Nebraska Geological Society on March 19, 2016.  
Co-lead 2014 Southeast Friends of the Pleistocene field trip in the Chickasaw Bluffs region of Tennessee.  
Co-lead geological history of the Platte River near Columbus, NE for the Nebraska Geological Society on June 7, 2008.  
Co-lead short course and field trip entitled Eolian Sediments for Soil Scientists to Natural Resources Conservation Service employees on March 9-10, 2007  
Co-lead two day short course on geomorphology for soil scientists for Natural Resources Conservation Service employees on May 17 & 18, 2004.

### **Scientific Reviews**

Aeolian Research, Earth Surface Processes and Landforms, Geomorphology, Great Plains Research, The Holocene, International Journal of Ecological Economics & Statistics (IJEES), Journal of Paleolimnology, National Science Foundation, Quaternary Science Reviews, and Quaternary International.

### **Other Activities**

I was invited to and conducted research as part of my dissertation at the Nordic Laboratory for Luminescence Dating at the University of Aarhus in Roskilde, Denmark from February to April 2005.  
I attended the UNL Winter Interim Teaching Workshop on Blended Learning Techniques, January 10, 2014.

### **Graduate Students Supervised**

Aaron Young (MS, 2008), Rebecca (Putra) Young (MS, 2011), Gabrielle Tegeder (PhD, 2015), Jacob Bruihler (MA, 2016), Christian Cruz (MA, 2017), Zachary Olson (MA, expected 2018), Ashley Larsen (MA, expected 2018), Josh Gates (MS, expected 2018), Luz Ramirez de Bryson (PhD, expected 2020), Gosia Mahoney (MS, expected 2018).

### **Collaborators**

Alan Arbogast (Michigan State University), John W. Attig (Wisconsin Geological and Natural History Survey), Margaret Berry (USGS), Art Bettis (U. of Iowa), Eric Carson (Wisconsin Geological and Natural History Survey), Jeremy Dillon (U. of Nebraska-Kearney), Tim Fisher (U. of Toledo), Ronald J. Goble (Univ. of Nebraska), Roger LeB. Hooke (U. of Maine), Peter M. Jacobs (U. of Wisconsin-Whitewater), Robert M. Joeckel (U. of Nebraska), Bill Johnson (U. of Kansas), Harry Jol (Univ. of Wisconsin-Eau Claire), David B. Loope (U. of Nebraska), Walt Loope (USGS), Shannon Mahan (USGS), Rolfe Mandel (U. of Kansas), Joseph A. Mason (U. of Wisconsin-Madison), Xiadong Miao (Illinois State Geological Survey), J. Elmo Rawling III (U. of Wisconsin-Platteville), Mark Sweeney (U. of South Dakota), James B. Swinehart (U. of Nebraska), Hong Wang (Illinois State Geological Survey).