

Paper	Date	Day	Time	Room	Title	Authors	Link to Abstract
TUESDAY							
2-2	5/19/2015	Tuesday	8:30 AM	Monona Terrace Convention Center Hall of Ideas E	Frank Leverett's description of the Saginaw Lobe terrain in southern Michigan: How does it stand up today?	Keheew, Alan E., Department of Geosciences, Western Michigan University, Kalamazoo, MI 49008, alan.keheew@wmich.edu, and Esch, John M., Michigan Dept. of Environmental Quality, Office of Oil, Gas, and Minerals, P.O. 30256, Lansing, MI 48909	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 3 https://gsa.confex.com/gsa/2015NC/webprogram/Paper255027.html
2-3	5/19/2015	Tuesday	8:50 AM	Monona Terrace Convention Center Hall of Ideas E	Deglacial chronology of the Sturgis Moraine in south-central Michigan and northeast Indiana	Horton, Jennifer, Department of Environmental Sciences, The University of Toledo, 2801 West Bancroft St, Toledo, OH 43606, jennifer.horton@rockets.utoledo.edu, Fisher, Timothy G., Department of Environmental Sciences, University of Toledo, Toledo, OH 43606, Karaffa, Marni D., Indiana Geological Survey, Indiana University, 611 North Walnut Grove Avenue, Bloomington, IN 47405, Loope, Henry M., Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Avenue, Bloomington, IN 47405, and Lepper, Kenneth, Department of Geosciences, North Dakota State University, P.O. Box 6050, Dept. #2745, Fargo, ND 58108-6050	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 3 https://gsa.confex.com/gsa/2015NC/webprogram/Paper255684.html
2-4	5/19/2015	Tuesday	9:10 AM	Monona Terrace Convention Center Hall of Ideas E	The Mapleton Moraine: A probable Port Huron equivalent in New York's Finger Lakes	Kozlowski, Andrew, New York State Geological Survey\State Museum, NY State Education Department, 3097 Cultural Education Center, Albany, NY 12230, andrew.kozlowski@nysed.gov, and Bird, Brian, Geologic Survey, New York State Museum, 3140 Cultural Education Center, Albany, NY 12230	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 3 https://gsa.confex.com/gsa/2015NC/webprogram/Paper256182.html
2-5	5/19/2015	Tuesday	9:30 AM	Monona Terrace Convention Center Hall of Ideas E	The stratigraphy of the Lake Border Moraine in Wexford County, Michigan	Kincare, Kevin A., U.S. Geological Survey, 12201 Sunrise Valley Dr, Reston, VA 20192, kkinicare@usgs.gov	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 3 https://gsa.confex.com/gsa/2015NC/webprogram/Paper255105.html

2-6	5/19/2015 Tuesday	9:50 AM Monona Terrace Convention Center Hall of Ideas E	Interpretation of the interlobate margins of late Wisconsin ice lobes in Indiana: 100 years later	Karaffa, Marni D., Indiana Geological Survey, Indiana University, 611 North Walnut Grove Avenue, Bloomington, IN 47405, karaffam@indiana.edu, Pavay, Richard R., Ohio Department of Natural Resources, Division of Geological Survey, 2045 Morse Rd, Building C-2, Columbus, OH 43229-6693, Monaghan, G. William, Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Ave, Bloomington, IN 47405, and Loope, Henry M., Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Avenue, Bloomington, IN 47405	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 4	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255856.html
2-8	5/19/2015 Tuesday	10:45 AM Monona Terrace Convention Center Hall of Ideas E	Landsystems analysis of surficial glacial deposits in Simcoe County, southern Ontario	Mulligan, Riley P. M. (1), Bajc, Andy F. (1), and Eyles, Carolyn H. (2), (1) Ontario Geological Survey, 933 Ramsey Lake Road, Sudbury, ON P3E 6B5, Canada, riley.mulligan@ontario.ca, (2) School of Geography and Earth Sciences, McMaster University, Hamilton, ON L8S 4K1	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 4	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255470.html
2-10	5/19/2015 Tuesday	11:25 AM Monona Terrace Convention Center Hall of Ideas E	Radiocarbon chronology suggests that the Woodstock Phase ice margin (Lake Michigan Lobe) was intimately related to the 18.9 ka Kankakee Torrent	Curry, Brandon (1), Caron, Olivier (2), and Thomason, Jason (1), (1) Prairie Research Institute, Illinois State Geological Survey, Champaign, IL 61820, b-curry@illinois.edu, (2) Illinois State Geological Survey, 615 E. Peabody Drive, Champaign, IL 61820	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 4	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255883.html
3-2	5/19/2015 Tuesday	8:25 AM Monona Terrace Convention Center Hall of Ideas F	Deglacial and postglacial lake evolution in Simcoe County, southern Ontario	Mulligan, Riley P. M. (1), Bajc, Andy F. (1), and Eyles, Carolyn H. (2), (1) Ontario Geological Survey, 933 Ramsey Lake Road, Sudbury, ON P3E 6B5, Canada, riley.mulligan@ontario.ca, (2) School of Geography and Earth Sciences, McMaster University, Hamilton, ON L8S 4K1	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 5	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255464.html
3-5	5/19/2015 Tuesday	9:25 AM Monona Terrace Convention Center Hall of Ideas F	Refining the span and rates of deposition of the Glenwood Phase of Glacial Lake Chicago	Bruegger, Alison, University of Illinois at Urbana-Champaign, Champaign, IL 61820, bruegge1@illinois.edu, and Curry, Brandon, Illinois State Geological Survey, Prairie Research Institute, 615 E. Peabody Dr, Champaign, IL 61820	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 5	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255873.html

3-6	5/19/2015 Tuesday	9:45 AM Monona Terrace Convention Center Hall of Ideas F	Analysis of middle Holocene (ca. 6000 to 4500 years ago) lake-level change of ancestral Lake Superior at the Huron Mountains, upper Michigan	Johnston, John, Department of Earth and Environmental Sciences and Water Institute, University of Waterloo, 200 University Ave West, Waterloo, ON N2L3G1, Canada, jwjohnston@uwaterloo.ca, Loope, Henry M., Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Avenue, Bloomington, IN 47405, Lepper, Kenneth, Department of Geosciences, North Dakota State University, P.O. Box 6050, Dept. #2745, Fargo, ND 58108-6050, and Thompson, Todd A., Indiana Geological Survey, Indiana University, 611 North Walnut Grove, Bloomington, IN 47405-2208	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 5	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255798.html
10-28	5/19/2015 Tuesday	8:00 AM- 12:00 PM Monona Terrace Convention Center Grand Terrace	Using loss-on-ignition to delineate zones of high organic content in lake sediment from ice-proximal lakes, southwestern Wisconsin	Ripp, Morgan (1), Bates, Benjamin R. (2), Carson, Eric C. (2), and Williams, John W. (3), (1) Geography, University of Wisconsin-Madison, 550 N. Park Street, Madison, WI 53706, mlripp2@gmail.com, (2) Department of Environmental Sciences, Wisconsin Geological and Natural History Survey, 3817 Mineral Point Road, Madison, WI 53705, (3) Department of Geography, University of Wisconsin, 550 N Park St, Madison, WI 53706	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 17	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255782.html
11-1	5/19/2015 Tuesday	1:35 PM Monona Terrace Convention Center Hall of Ideas E	Wagging the dog: Tales of the deglaciation of the Wabash Valley from its mouth	Phillips, Andrew C., and Caron, Olivier, Illinois State Geological Survey, Prairie Research Institute, 615 E. Peabody, Champaign, IL 61820, aphillips@illinois.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 18	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255938.html
11-2	5/19/2015 Tuesday	1:55 PM Monona Terrace Convention Center Hall of Ideas E	3-D geologic mapping of Will County, Illinois	Caron, Olivier, Illinois State Geological Survey, Prairie Research Institute, 615 E. Peabody, Champaign, IL 61820, caron@illinois.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 18	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255954.html

May 19-20, 2015

**Geological Society of America
2015 North-Central Section Meeting**

Madison, Wisconsin

11-3	5/19/2015 Tuesday	2:15 PM Monona Terrace Convention Center Hall of Ideas E	Timing of the last glacial maximum in the Great Lakes region of the Laurentide Ice Sheet	Lowell, Thomas V., Department of Geology, University of Cincinnati, 500 Geology/Physics Building, Cincinnati, OH 45221, thomas.lowell@uc.edu, Loope, Henry M., Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Avenue, Bloomington, IN 47405, and Curry, Brandon, Illinois State Geological Survey, Prairie Research Institute, 615 E. Peabody Dr, Champaign, IL 61820	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 19	https://gsa.confex.com/gsa/2015NC/webprogram/Paper256042.html
11-7	5/19/2015 Tuesday	3:50 PM Monona Terrace Convention Center Hall of Ideas E	21 st century technology applied to 19 th century maps: Updating the late Wisconsin terminal moraine in southeastern Indiana	Monaghan, G. William, Hasenmueller, Walter A., Loope, Henry M., Karaffa, Marni D., and Rupp, Robin F., Indiana Geological Survey, Indiana University, 611 North Walnut Grove Avenue, Bloomington, IN 47405, gmonagha@indiana.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 19	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255225.html
11-8	5/19/2015 Tuesday	4:10 PM Monona Terrace Convention Center Hall of Ideas E	Stratigraphy and chronology of late Wisconsin Laurentide Ice Sheet fluctuations of the East White sublobe, central Indiana	Loope, Henry M., Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Avenue, Bloomington, IN 47405, hloope@indiana.edu, Lowell, Thomas V., Department of Geology, University of Cincinnati, 500 Geology/Physics Building, Cincinnati, OH 45221, Curry, Brandon, Illinois State Geological Survey, University of Illinois at Urbana-Champaign, 615 E. Peabody Dr, Champaign, IL 61820, Monaghan, G. William, Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Ave, Bloomington, IN 47405, and Karaffa, Marni D., Indiana Geological Survey, Indiana University, 611 North Walnut Grove Avenue, Bloomington, IN 47405	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 20	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255561.html
12-1	5/19/2015 Tuesday	1:35 PM Monona Terrace Convention Center Hall of Ideas F	Timing and implications of late Quaternary sediment deposition and landscape evolution in south-central Wisconsin	Carson, Eric C., Attig, John W., Rawling, J. Elmo III, Bates, Benjamin R., and Ceperley, Elizabeth G., Department of Environmental Sciences, Wisconsin Geological and Natural History Survey, 3817 Mineral Point Road, Madison, WI 53705, eccarson@wisc.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 20	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255572.html

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Madison, Wisconsin

12-2	5/19/2015 Tuesday	1:55 PM Monona Terrace Convention Center Hall of Ideas F	Late Pleistocene aggradation and damming of tributaries to the lower Wisconsin River in southwestern Wisconsin	Ceperley, Elizabeth G., Carson, Eric C., Bates, Benjamin R., Rawling, J. Elmo III, and Streiff, Carolyn M., Department of Environmental Sciences, Wisconsin Geological and Natural History Survey, 3817 Mineral Point Road, Madison, WI 53705, elizabeth.ceperley@wgnhs.uwex.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 20	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255582.html
12-3	5/19/2015 Tuesday	2:15 PM Monona Terrace Convention Center Hall of Ideas F	Spatial and textural analyses of soils confirm loess mantle on the outwash plains of southwestern Michigan	Schaetzl, Randall (1), Luehmann, Michael D. (1), Peter, Brad (1), Connallon, Chris (1), Smidt, Samuel J. (2), Liu, Wei (1), Kincare, Kevin A. (3), Walkowial, Toni (1), Thorlund, Elin (1), and Holler, Marie (1), (1) Department of Geography, Michigan State University, 673 Auditorium Road, East Lansing, MI 48824, soils@msu.edu, (2) Department of Geosciences, Michigan State University, East Lansing, MI 48824, (3) U.S. Geological Survey, 12201 Sunrise Valley Dr, Reston, VA 20192	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 21	https://gsa.confex.com/gsa/2015NC/webprogram/Paper254615.html
12-5	5/19/2015 Tuesday	3:10 PM Monona Terrace Convention Center Hall of Ideas F	OSL ages and ground penetrating radar (GPR) of the sand dunes along the Kankakee River valley, Midwest USA	Miao, Xiaodong, and Larson, Timothy, Illinois State Geological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign, 615 E. Peabody Dr, Champaign, IL 61820, miao@illinois.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 21	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255867.html
18-1	5/19/2015 Tuesday	1:30 PM- 5:30 PM Monona Terrace Convention Center Grand Terrace	Late-Pleistocene fluvial incision and perched-dune formation along the lower Au Sable River in northeastern lower Michigan, USA	Luehmann, Michael D. (1), Arbogast, Alan F. (1), Monaghan, G. William (2), Lovis, William A. (3), Michalek, Michael J. (4), and Wang, Hong (5), (1) Department of Geography, Michigan State University, 673 Auditorium Road, East Lansing, MI 48824, luehmann@msu.edu, (2) Indiana Geological Survey, Indiana University, 611 N. Walnut Grove Ave, Bloomington, IN 47405, (3) Department of Anthropology and MSU Museum, Michigan State University, East Lansing, MI 48824, (4) Geography, Michigan State University, 19A Geography Building, East Lansing, MI 48824, (5) Illinois State Geological Survey, Prairie Research Institute, University of Illinois at Urbana-Champaign, 615 E. Peabody Dr, Champaign, IL 61820	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 29	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255480.html

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Madison, Wisconsin

18-2	5/19/2015	Tuesday	1:30 PM- 5:30 PM	Monona Terrace Convention Center Grand Terrace	Using ground penetrating radar to benefit interpretations of the glacial history of Pictured Rocks National Lakeshore, Michigan	Vandermeer, Sarah M., and Sauck, William A., Geosciences, Western Michigan University, Kalamazoo, MI 49008, sarah.vandermeer@wmich.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 29	https://gsa.confex.com/gsa/2015NC/webprogram/Paper256040.html
Wednesday								
23-11	5/20/2015	Wednesday	9:25 AM	Monona Terrace Convention Center Hall of Ideas E	Updated full-glacial paleoenvironmental reconstructions at two sites at about 38.5° N based on modern analogs of ostracodes from NACODe (North American Combined Ostracode Database)	Curry, Brandon, Illinois State Geological Survey, University of Illinois at Urbana-Champaign, 615 E. Peabody Dr, Champaign, IL 61820, b-curry@illinois.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 72	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255822.html
24-1	5/20/2015	Wednesday	8:05 AM	Monona Terrace Convention Center Hall of Ideas G	Using LiDAR data to conduct karst mapping in south-central Ohio	Aden, Douglas J., Ohio Department of Natural Resources, Division of Geological Survey, 2045 Morse Road, Columbus, OH 43229, Douglas.Aden@dnr.state.oh.us	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 73	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255298.html
24-9	5/20/2015	Wednesday	11:00 AM	Monona Terrace Convention Center Hall of Ideas G	Evaluation of the horizontal-to-vertical spectral ratio (HVSR) passive seismic method for bedrock depth determination in Michigan	Esch, John M., Michigan Dept. of Environmental Quality, Office of Oil, Gas, and Minerals, P.O. 30256, Lansing, MI 48909, eschj@michigan.gov, and Sauck, William A., Department of Geosciences, Western Michigan University, 1903 W Michigan Ave, Kalamazoo, MI 49008-5241	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 74	https://gsa.confex.com/gsa/2015NC/webprogram/Paper256096.html
31-1	5/20/2015	Wednesday	8:00 AM- 12:00 PM	Monona Terrace Convention Center Grand Terrace	Enhancement of lithological databases needed to support Quaternary subsurface mapping in Minnesota	Thorleifson, Harvey, and Lusardi, Barbara, Minnesota Geological Survey, University of Minnesota, 2609 West Territorial Road, St. Paul, MN 55114-1009, luser001@umn.edu	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 79	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255243.html
31-2	5/20/2015	Wednesday	8:00 AM- 12:00 PM	Monona Terrace Convention Center Grand Terrace	Over the edge: Mapping Quaternary geology deposits beyond the glacial margin	Pavey, Richard R., Ohio Department of Natural Resources, Division of Geological Survey, 2045 Morse Road, Columbus, OH 43229, Richard.Pavey@dnr.state.oh.us	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 79	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255305.html

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Madison, Wisconsin

41-2	5/20/2015 Wednesday	1:30 PM- Monona 5:30 PM Terrace Convention Center Grand Terrace	Ohio surficial geology: 3D visualizations from 2D maps	Fugitt, Franklin L., and Spahr, Paul N., Ohio Department of Natural Resources, Division of Geological Survey, 2045 Morse Rd., Columbus, OH 43229, franklin.fugitt@dnr.state.oh.us	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 92	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255308.html
44-4	5/20/2015 Wednesday	1:30 PM- Monona 5:30 PM Terrace Convention Center Grand Terrace	Paleo-environmental proxies from ice-marginal lakes in south-central Wisconsin	Bates, Benjamin R. (1), Carson, Eric C. (1), Williams, John W. (2), and Ripp, Morgan (2), (1) Department of Environmental Sciences, Wisconsin Geological and Natural History Survey, 3817 Mineral Point Road, Madison, WI 53705, bbates15@gmail.com, (2) Department of Geography, University of Wisconsin, 550 N Park St, Madison, WI 53706	Geological Society of America Abstracts with Programs, v. 47, no. 5, p. 97	https://gsa.confex.com/gsa/2015NC/webprogram/Paper255750.html