

Mark T. Harris
University of Wisconsin-Milwaukee

Department of Geosciences
University of Wisconsin-Milwaukee
P. O. Box 340
Milwaukee, WI 53201

mtharris@uwm.edu
414-416-8417

EDUCATION

Ph.D. Geology: 1988, Johns Hopkins University, Baltimore, Maryland.
M.S. Geology: 1982, University of Wisconsin-Madison.
B.S. Geological Sciences: 1978, University of Rochester, Rochester, NY.

ACADEMIC, ADMINISTRATIVE AND PROFESSIONAL APPOINTMENTS

Administrative Appointments at UWM

2022-2023: Vice Provost for Research and Dean of the Graduate School
2022-2023: Interim Dean, College of Health Sciences
2021-2022: Interim Dean, School of Freshwater Sciences
2020-2022: Interim Dean, School of Information Studies
2015-2022: Vice Provost for Research
2014-2015: Interim Chancellor's Designee for Strategic Planning, University of Wisconsin-Milwaukee
2013-2015: Interim Vice Provost for Research, University of Wisconsin-Milwaukee
2011-2013: Interim Senior Special Assistant to the Chancellor for Research, University of Wisconsin-Milwaukee
2009-2011: Acting Dean, School of Freshwater Sciences, University of Wisconsin-Milwaukee
2008-2009: Director, Clinical and Translational Science Institute, University of Wisconsin-Milwaukee
2008-2009: Adjunct Professor, Medical College of Wisconsin
2008-2009: Adjunct Professor, Marquette University
2008-2009: Adjunct Professor, Milwaukee College of Engineering
2006-2007: Interim Vice Chancellor for Research, University of Wisconsin-Milwaukee
2006-2009: Associate Dean for Research, Graduate School, University of Wisconsin-Milwaukee
2001-2006: Associate Dean for the Natural Sciences, College of Letters and Science, University of Wisconsin-Milwaukee
1998-2001: Chair, Department of Geosciences, University of Wisconsin-Milwaukee

Faculty appointments in the Department of Geosciences, University of Wisconsin-Milwaukee

2024-date: Emeritus Professor
2008-2024: Professor
1996-2008: Associate Professor
1990-1996: Assistant Professor

Professional positions before coming to UWM

1988-1990: Senior Research Geologist, Exxon Production Research Company, Houston

1980-1984: Exploration Geologist, Mobil Oil Exploration and Production-Southeast, New Orleans

UNIVERSITY SERVICE (*number of years in parentheses*)

Department

Undergraduate Committee (5, chair for three years) Course and Curriculum Committee (3)

Computer Committee (1)

Space Committee (1)

Merit Committee (1)

Greene Museum/Collections Committee (4) Alumni Relations Committee (1)

Policy and Procedures Committee (1, chair) Planning Committee (2, chair)

Recording secretary for faculty meetings (5) Faculty search committees (3)

College of Letters and Science

Academic Standing and Appeals Committee (3) Academic Planning Committee (3)

Honors Program Committee (3)

Ad Hoc Committee on Teaching (1)

Ad Hoc Task Force on Geosciences (1)

Ad Hoc Committee on Chair Compensation (1)

Ad Hoc Committee on Student Recruitment and Retention (1)

Graduate School

Committee on Reviews (1, chair for one semester)

Review Committee for Graduate Student Travel Grants (5)

Review Committee for Applied Research Grants (1)

Research Growth Initiative Development Working Group (1)

Chancellor's Fellowship Student Award Program Preparing for the Future Committee Study Group (1)

Ad Hoc Research Expenditures Reporting Working Group (1, chair) Ad Hoc Working Group on Research Grant Policies (2, chair)

Ad Hoc Working Group on Graduate Assistantships (1, chair)

University

Economic Benefits Committee (9, chair for eight years) Nominations Committee (2, chair for one year)

Faculty Senate (3)

Honorary Degrees Committee (1)

Academic Planning and Budget Committee (3, as representative of the Dean's Council and Graduate School),

Research Policy Committee (5, as ex-officio representative of the Graduate School/Office of Research)

Review committees for the Office of Undergraduate Research's award programs (6)

Administrative

- Academic Administrative Network (6, chair one year)
- Academic Deans Council/Academic Leadership Council (5)
- Chancellor's Cabinet (2)
- Ad Hoc Committee on Competitive Faculty Compensation and Salary Equity (1, chair)
- Ad Hoc Honors College Task Force (1)
- School of Freshwater Sciences Planning Council (1) and Governance Committee
- School of Public Health Planning Council (1) and Research Infrastructure Committee
- Ad Hoc Research Cyber-infrastructure Working Group (1)
- Ad Hoc Research Futures Working Group (1, chair)
- Ad Hoc Centers/Institutes Planning Committee
- North Central Association 2005 Accreditation Team (2):
 - Steering Committee
 - Preparing for the Future Subcommittee (co-chair)
- UWM Campus 2010 Master Planning (2):
 - Master Planning Coordinating Committee
 - Master Planning Health Disciplines Subcommittee
 - Master Planning Engineering and Natural Sciences Subcommittee
- UWM 2013-15 Strategic Planning (2):
 - Core Team (coordinating committee)
 - Top Tier Research University Thematic Team (co-chair)
 - Strategic Plan Writing Team
- Budget Model Working Group and Support Team (3)
- Chancellor's Budget Planning Task Force and Support Team (1)
- Chancellor's Campus Organization and Effectiveness Team (1)
- Research Planning Groups:
 - Critical Research Investments (2016) (chair)
 - Research Excellence Plan (2017) (chair)
 - UWM's Future as an Urban Flagship University (2020) (chair)
- 2030 Campus Planning
 - Implementation Planning Team (co-chair), Research Action Team (chair), Academic Staff Team (member) (2021)
 - Faculty Workload Study Team (2022) (chair)
- Space and Facility committees:
 - Campus Space Committee (3)
 - Building Committee for the School of Freshwater Sciences Addition (2, chair)
 - Building Committee for the Kenwood Interdisciplinary Research Center (2)
 - Southwest Quad Redevelopment Planning Committee (2)
 - Innovation Campus Interdisciplinary Research Center Program Re-Evaluation Committee (1)
 - Management committees for the Accelerator Building at Innovation Campus and UWM's space at the Global Water Center (1)
 - Search and Screen Committee for Human Resources Director (1)
 - Search and Screen Committee for University Controller (1)
- Administration Transformation Project (2019-2023): Campus Advisory Team

Numerous ad hoc working group assignments that examined topics such as: enrollment management planning, establishing the Chancellor Fellowship program for graduate students, teacher education for pre-college teachers, data analytics, review policies for research centers and institutes, etc.

UW-System

Presented workshop on “Creating effective leadership styles” at the UW-Oshkosh Faculty Leadership Series (chair development program), January 2004.

TEACHING

Courses Taught (number of offerings noted)

Historical Geology (14)
Introduction to Paleontology (6)
History of Geological Thought (6)
Physical Sedimentology (1)
Carbonate Sedimentology (14)
Carbonate Petrology and Diagenesis (1)
Seismic Interpretation (1, taught one-third)
Introduction to Petrology (1, taught one-sixth)
Geology Seminar (5) on Sedimentology, Paleontology, History of Geology
Honors Seminar (5)
Freshman Seminar (1)
Conducted Field Trip to various locations (6): Illinois Basin, Permian Basin of west Texas, Great Basin of Utah-Nevada, Northern Appalachians from Vermont to Niagara Falls, Appalachian Basin in Kentucky

Thesis Supervision

Kurt Waldhuetter, 1994, Stratigraphy, Sedimentology, and Porosity Development of the Silurian Aquifer, the Door Peninsula, Wisconsin. (MS thesis)
Lora Sexton, 1994, Regional Sequence Stratigraphic Analysis of Late Ordovician Ramp Carbonates of the Eastern Great Basin, western Utah and eastern Nevada. (MS thesis)
Dan Hegrenes, 1996, A core study of the sedimentology, stratigraphy, porosity and hydrogeology of the Silurian aquifer in Door County, Wisconsin. (MS thesis)
Michelle McGee, 1999, The sedimentology, stratigraphy, and porosity of the Silurian Manistique, Waukesha, and Racine Formations in Ozaukee County, Wisconsin. (MS thesis)
Catherine Hill, 2002, Sedimentology and environmental interpretation of the Racine Formation exposure at Lime Kiln Park, Grafton, Wisconsin. (MS thesis). Co- advisor with Dr. Rodney Watkins (Milwaukee Public Museum)
Matt Kawa, 2006, Stratigraphy, sedimentology, and paleogeographic significance of lower Paleozoic strata along the crest of the Wisconsin Arch (MS thesis). Co- advisor with Dr. John Isbell
Serving (or served) on twelve PhD and twelve MS committees.

FUNDED GRANT PROPOSALS (since coming to UWM)

- University of Wisconsin System/Water Resources Center, 1993, \$34,030, Stratigraphy, Sedimentology, and Porosity Distribution of the Silurian Rocks of the Door Peninsula, Wisconsin. (2 years)
- National Science Foundation, 1993, \$82,203, Criteria for extending sequences across regional shelf-to-slope carbonate environments: Upper Ordovician and Silurian strata of the Great Basin. (2 years)
- University of Wisconsin System/Water Resources Center, 1996, \$37,902, Stratigraphy, Sedimentology, and Porosity Distribution of the Silurian Aquifer of Ozaukee County, Wisconsin. (2 years)
- University of Wisconsin System/Water Resources Center, 1998, \$42,309, Sedimentology, Stratigraphy, and Porosity-Conductivity Relations of the Silurian Aquifer of Ozaukee County, Wisconsin. (2 years)
- National Science Foundation, 1999, \$128,728, Collaborative Research: Comparing Upper Ordovician-Lower Silurian Carbonate Platforms in Estonia and the Great Basin: A Test of the Synchrony of Sequences and Faunal Changes. (3 years)
- National Institutes of Health (sub-award through Medical College of Wisconsin), 2006, \$7,350, Planning Grant for Institutional Clinical and Translational Science Awards (1 year)
- National Institutes of Health (sub-award through Medical College of Wisconsin; UWM PI), 2019-2023, Institutional Clinical and Translational Science Award (\$181,300/year)

PUBLICATIONS

- Harris, M. T., 1987, Sedimentology of the Cutoff Formation (Permian), western Guadalupe Mountains, west Texas: *New Mexico Geology*, v. 9, p. 74-79.
- Goldhammer, R. K., and M. T. Harris, 1989, Eustatic controls on the stratigraphy and geometry of a Middle Triassic carbonate buildup, the Latemar buildup, the Dolomites, northern Italy: in P. D. Crevello, J. L. Wilson, J. F. Sarg, and F. Read, eds., *Controls on Carbonate Platform and Basin Development*, S.E.P.M. Special Publication 44, p. 323-338.
- Harris, M. T., 1991, Modeling Carbonate Progradation Geometry and Sediment Accumulation Rates: a comparison of "MARGIN" results with outcrop data: in E. K. Franseen, W. L. Watney, C. G. St. C. Kendall, and W. C. Ross, eds., *Sedimentary Modeling-Computer Simulations and Methods for Improved Parameter Definition*, Kansas Geological Survey Bulletin, 233, p. 509-517.
- Glenister, B., Boyd, D., Furnish, W., Grant, R. E., Harris, M., Kozur, H., Lambert, L., Nassichuk, W. W., Newell, N., Pray, L., Spinoza, C., Wardlaw, B., Wilde, G., Yancey, T. E., 1992, The Guadalupian - Proposed International Standard for a Middle Permian Series: *International Geology Review*, v. 34, p. 857-888.
- Harris, M. T., 1993, Reef Fabrics, Biotic Crusts, and Syndepositional Cements of the Latemar reef margin: *Sedimentology*, v. 40, p. 383-401.
- Goldhammer, R. K., Harris, M. T., Dunn, P. A., and Hardie, L. A., 1993, Sequence Stratigraphy and Systems Tract Development of the Latemar Platform, Middle Triassic of the Dolomites (Northern Italy): Outcrop Calibration Keyed by Cycle Stacking Patterns:

- in Loucks, R. and Sarg, R., eds., Carbonate Sequence Stratigraphy - Recent Developments and Applications: American Association of Petroleum Memoir 57, p. 353-387.
- Harris, M. T., 1994, Depositional Facies, Processes, and Cyclicity in the Foreslopes of the Middle Triassic Latemar buildup (Dolomites, northern Italy): *Journal of Sedimentary Research*, v B64, p. 132-145.
- Harris, M. T., 1994, A volume-based approach to reef productivity and submarine erosion rates: a case study of a Middle Triassic reef margin (Latemar Buildup, northern Italy): a volume-based approach: *Journal of Geology*, v. 102, p. 603-610.
- Harris, M. T., Sexton, L. A., and Sheehan, P. M., 1995, Depositional Facies and Sequences of Upper Ordovician shelf and shallow ramp carbonates of the Eastern Great Basin (Utah and Nevada), U.S.A.: in Cooper, J. D., Droser, M. L., and Finney, S. C., eds., *Ordovician Odyssey: Short Papers for the Seventh International Symposium on the Ordovician System*, p. 265-266.
- Harris, M. T., and Sheehan, P. M., 1996, Upper Ordovician - Lower Silurian Sequences determined from inner shelf sections, Barn Hills and Lakeside Mountains, Eastern Great Basin: in Witzke, B. J., Ludvigson, G. A., and Day, J. E., eds., *Paleozoic Sequence Stratigraphy: North American Perspectives - Views from the North American Craton*, GSA Special Publication 306, p 161-176.
- Harris, M. T., 1996, Discussion: The carbonate factory of Middle Triassic buildups in the Dolomites, Italy: a quantitative analysis: *Sedimentology*, v. 43, p. 401-402.
- Harris, M. T., and Waldhuetter, K. R., 1996, Silurian of the Great Lakes Region III: Llandovery Strata of the Door Peninsula, Wisconsin: *Contributions to Biology and Geology*, Milwaukee Public Museum, n. 90, 162 p.
- Harris, M. T., Muldoon, M. A., and Stieglitz, R. D., eds., 1996, *The Silurian Dolomite Aquifer of the Door Peninsula: Facies, Sequence Stratigraphy, Porosity and Hydrogeology*, Guidebook for Great Lakes Section of SEPM Fall 1996 Field Conference, 121 p. Includes the following articles:
- Stieglitz, R. D., and Harris, M. T., Introduction to the field trip and the geology of the Door Peninsula, Wisconsin, p. 1-6.
- Harris, M. T., and Waldhuetter, K. R., Lower Silurian (Llandovery) facies, sequence stratigraphy, and porosity patterns in the Door Peninsula, Wisconsin: and outcrop view, p. 7-18.
- Harris, M. T., Hegrenes, D. P., and Muldoon, M. A., Jarman Road Core Study, p. 39- 71.
- Harris, M. T., Muldoon, M. A., and Stieglitz, R. D., 1997, The Silurian Dolomite Aquifer of the Door Peninsula: Facies, Sequence Stratigraphy, and Hydrogeology: in Mudrey, M. G., Jr., ed., *Guide to Field Trips in Wisconsin and Adjacent Areas of Minnesota*, 31st Annual Meeting of the North-Central Section, Geological Society of America, Guidebook volume, Wisconsin Geological and Natural History Survey, p. 1-2.
- Sheehan, P. M., and Harris, M. T., 1997, Upper Ordovician-Silurian macrofossil biostratigraphy of the eastern Great Basin - Utah and Nevada: in Taylor, M. E., ed., *Early Paleozoic biochronology of the Great Basin, western United States*, United States Geological Survey Professional Paper, ch. C, p. 85-115.
- Harris, M. T., and Sheehan, P. M., 1997, Carbonate Sequences and Fossil Communities from the Upper Ordovician - Lower Silurian of the Eastern Great Basin: in Link, P. K., and Kowallis, B. J., eds., *Proterozoic to Recent stratigraphy, tectonics, and volcanology*,

- Utah, Nevada, southern Idaho and central Mexico, Brigham Young University Geology Studies, v. 42, part 1, p. 105-128.
- Harris, M. T., and Sheehan, P. M., 1998, Early Silurian stratigraphic sequences of the eastern Great Basin (Utah and Nevada), U.S.A.: in Laning, E., and Johnson, M. E., eds., Silurian cycles: Linking of dynamic processes in the atmosphere and oceans, New York State Museum Bulletin 491, p. 51-61.
- Harris, M. T., Kuglitsch, J. J., Watkins, R., Hegrenes, D. P., and Waldhuetter, K. R., 1998, Early Silurian stratigraphic sequences of eastern Wisconsin, Midcontinent U.S.A.: in Laning, E., and Johnson, M. E., eds., Silurian cycles: Linking of dynamic processes in the atmosphere and oceans, New York State Museum Bulletin 491, p. 39-49.
- Harris, M. T., 2000, Members for the Cutoff Formation, western escarpment of the Guadalupe Mountains, West Texas: in Wardlaw, B. R., Grant, R. E., and Rohr, D., eds., Smithsonian Contributions to the Earth Sciences 32, p. 101-122.
- Harris, M. T., Lehrmann, D. J., and Lambert, L. L., 2000, Comparison of the Depositional Environments and Physical Stratigraphy of the Cutoff Formation (Guadalupe Mountains) and Road Canyon Formation (Glass Mountains): in Wardlaw, B. R., Grant, R. E., and Rohr, D., eds., Smithsonian Contributions to the Earth Sciences 32, p. 127-152.
- Lambert, L. L., Lehrmann, D. J., and Harris, M. T., 2000, Correlation of the Road Canyon and Cutoff Formations, west Texas, and its bearing on establishing a formal Middle Permian (Guadalupian): in Wardlaw, B. R., Grant, R. E., and Rohr, D., eds., Smithsonian Contributions to the Earth Sciences 32, p. 153-183.
- Harris, M. T., 2001, Strategies for Implementing Pedagogical Changes by Faculty in a Research University: Journal of Geoscience Education, v. 49, p. 50-55.
- Harris, M. T., 2002, Developing geoscience student-learning centered courses: Journal of Geoscience Education, v. 50, p. 515-523.
- Sheehan, P. M., and Harris, M. T., 2004, Microbiolite resurgence after the Late Ordovician extinction: Nature, v. 430, p. 75-78.
- Harris, M. T., Sheehan, P. M., Ainsaar, L., Hints, L., Männik, P., Nõlvak, J., and Rubel, M., 2004, Upper Ordovician sequences of western Estonia: Palaeogeography, Palaeoclimatology, and Palaeoecology, v. 210, p. 135-148.
- Pope, M., and Harris, M. T., 2004, New insights into Late Ordovician climate, oceanography and tectonics (editorial): Palaeogeography, Palaeoclimatology, and Palaeoecology, v. 210, p. 117-118.
- Rubel, M., Nestor, V., Harris, M., Sheehan, P., Ainsaar, L., Hints, L., Männik, P., and Nõlvak, J., 2006, A high-resolution chitinozoan composite for East Baltic Lower Silurian based on numerical analysis: Geological Quarterly, v. 50, p. 323-332.
- Harris, M. T., Ainsaar, L., Hints, L., Männik, P., Nõlvak, J., Schultz, T., and Sheehan, P. M., in review, The Upper Ordovician of Estonia: Facies, Sequences, and Basin Development: Estonian Journal of Earth Sciences.

MEETING ABSTRACTS

- Pray, L. C., G. A. Crawford, M. T. Harris, and K. Kirkby, 1980, Early Guadalupian (Permian) bank margin erosion surfaces, Guadalupe Mountains, Texas (abst.): Amer. Assoc. Petrol. Geol. Bull., v. 64, p. 768.

- Harris, M. T., 1982, A Permian shelf-to-basin carbonate drape: Cutoff Formation, Guadalupe Mountains, west Texas (abst.): Eleventh International Congress on Sedimentology (Hamilton, Ontario), Abstract Vol. p. 6.
- Harris, M. T., 1984, A summary of field observations on the Cutoff Formation (Permian), western Guadalupe Mountains, west Texas: in L. C. Pray and G. A. Crawford (eds.), A field guide to the geology of the Permian shelf-to-basin transition of the western escarpment, Guadalupe Mountains, Texas: Gulf Coast Section, Soc. Econ. Paleont. Mineral., San Antonio, Texas, p. 45-51.
- Harris, M. T., and R. K. Goldhammer, 1986, Exposure events recorded in carbonate platform and foreslope deposits: Latemar buildup (Ladinian, Middle Triassic), the Dolomites, northern Italy (abst.): Soc. Econ. Paleont. Mineral. Midyear Meeting Abstracts, v. 3, p. 50.
- Harris, M. T., and R. K. Goldhammer, 1987, Platform/foreslope facies and buildup geometry resulting from short-term and long-term eustatic sea level fluctuations: Latemar buildup (Middle Triassic), the Dolomites, Northern Italy (abst.): Amer. Assoc. Petrol. Geol. Bull., v. 71, p. 564-565.
- Harris, M. T., 1987, Depositional processes along an ancient talus-dominated carbonate foreslope: Latemar buildup (Middle Triassic), the Dolomites, northern Italy (abst.): Geol. Soc. Amer. Annual Meeting Abstracts, v. 19, p. 694.
- Harris, M. T., 1988, Postscript on the Cutoff Formation: the regional perspective and some suggestions for nomenclature: in S. T. Reid, R. O. Bass, and P. Welch (eds.), Guadalupe Mountains Revisited, Texas and New Mexico, West Texas Geological Society Field Seminar, Publ. 88-84, p. 141-142. (Published with a reprint of Harris, 1987b.)
- Harris, M. T., 1989, Modeling carbonate progradation geometry and sediment- accumulation rates - a comparison of "MARGIN" results with field data (extended abst.): in E. K. Franseen and W. L. Watney (eds.), Sediment Modeling: Computer Simulation of Depositional Sequences, Subsurface Geology Series 12, Kansas Geological Survey, p. 11-13.
- Harris, M. T., 1990, Modeling Carbonate Progradation Geometry and Sediment Accumulation Rates: A Comparison of MARGIN Results with Outcrop Data (abst.): Amer. Assoc. Petrol. Geol. Bull., v. 74, p. 670.
- Franseen, E., Harris, M. T., and Simo, T., 1990a, Outcrop Recognition of Sequence Boundaries in Carbonate Rocks (abst.): Amer. Assoc. Petrol. Geol. Bull., v. 74, p. 657.
- Franseen, E., Harris, M. T., and Simo, T., 1990b, Outcrop Recognition of Sequence Boundaries in Carbonate Rocks: Examples from the Permian, Triassic, Cretaceous, and Miocene (abst.): Thirteenth International Sedimentological Congress, Abstracts of Posters Volume, p. 203-204.
- Goldhammer, R. K., Dunn, P. A., Harris, M. T., and Hardie, L. A., 1991, Sequence Stratigraphy and Systems Tract Development of the Latemar Platform, Middle Triassic of the Dolomites: Outcrop Calibration Keyed by Cycle Stacking Patterns (abst.): Amer. Assoc. Petrol. Geol. Bull., v. 75, p. 582.
- Harris, M. T., and Sheehan, P. M., 1992, Stratigraphic Sequences as "natural" units of biostratigraphy and community evolution: the Upper Ordovician-Lower Silurian platform of the eastern Great Basin (abst.): Geological Society of America Abstracts with Programs, v. 24, n. 4, p. 20, GSA North-Central Meeting, Iowa City.

- Sheehan, P. M., and Harris, M. T., 1992, Upper Ordovician-Silurian Sequence Stratigraphy: Controls on biostratigraphy and community evolution on the carbonate platform of the eastern Great Basin (abst.): Geological Society of America Abstracts with Programs, v. 24, n. 6, p. 61-62, GSA Rocky Mountain Meeting, Ogden.
- Harris, M. T., and Sheehan, P. M., 1992, Stratigraphic Sequences as "natural" units of biostratigraphy and community evolution: the Upper Ordovician-Lower Silurian platform of the eastern Great Basin (extended abst.): in T. Simo, E. K. Franseen, and M. T. Harris (eds.), Carbonate Stratigraphic Sequences: Sequence Boundaries and Associated Facies, Abstract Volume, IAS/SEPM Research Conference, La Seu, Spain, p. 51-52.
- Mitchell, J. C., Mueller, H. W., and Harris, M. T., 1992, Sequence-Based Reservoir Zonation and Controls on Distribution and Continuity of Reservoir at Fullerton- Clearfork Field, Central Basin Platform, Permian Basin, West Texas (abst.): Amer. Assoc. Petrol. Geol. Annual Meeting, Abstract Volume, p. 90.
- Harris, M. T., 1992, Reef Fabrics, Biotic Crusts, and Syndepositional Cements of the Latemar reef margin: rethinking Middle Triassic reef models (abst.): Geological Society of America Abstracts with Programs, v. 24, n. 7, p. 350, GSA National Meeting, Cincinnati.
- Harris, M. T., and Sheehan, P. M., 1993, Upper Ordovician - Lower Silurian Shelf Sequences of the Eastern Great Basin: Barn Hills and Lakeside Mountains, Utah (abst.): Geological Society of America Abstracts with Programs, v. 25, n. 5, p. 48, GSA Cordilleran - Rocky Mountains Meeting, Reno.
- Harris, M. T., 1994, A Volume-Based Approach to Submarine Carbonate Erosion Rates: A Case Study of a Middle Triassic Reef Margin (Latemar Buildup, northern Italy) (abst.): Amer. Assoc. Petrol. Geol. Annual Meeting, Abstract Volume, p. 164.
- Harris, M. T., Sexton, L. A., and Sheehan, P. M., 1995, Contrasting Expressions of Sequence Boundaries across Upper Ordovician-Lower Silurian carbonate shelf and shallow ramp facies of the Eastern Great Basin (Utah and Nevada) (abst.): Amer. Assoc. Petrol. Geol. Annual Meeting, Abstract Volume, p. 39.
- Harris, M. T., and Waldhuetter, K. R., 1995, Facies-Controlled Porosity Distribution in the Silurian Dolomite Aquifer of the Door Peninsula, northeastern Wisconsin (abst.): Amer. Assoc. Petrol. Geol. Annual Meeting, Abstract Volume, p. 39.
- Harris, M. T., and Hegrenes, D. P., 1996, Fractures versus moldic porosity in the Silurian dolomite aquifer of the Door Peninsula: Where does the water flow? (abst.): Twentieth Annual Meeting of the Wisconsin Section of the American Water Resources Association, Minocqua, Wisconsin, p. 24.
- Harris, M. T., and Sheehan, P. M., 1996, The connection between community evolution and sequence boundaries as illustrated by the Late Ordovician and Early Silurian of the Great Basin, western USA (abst.): Carbonates and Global Change: an interdisciplinary approach, Abstract book, SEPM/IAS Research Conference, Wildhaus, Switzerland, p. 70.
- Harris, M. T., and Sheehan, P. M., 1996, Early Silurian Community Evolution in a sequence stratigraphic framework: Eastern Great Basin, western U.S.A. (abst.): The James Hall Symposium: Second International Symposium on the Silurian System, Rochester, NY, p. 57.
- Harris, M. T., Kuglitsch, J. J., Watkins, R., and Sheehan, P. M., 1996, A comparison of Early Silurian stratigraphic sequences of the Great Basin (Utah and Nevada) and the Midcontinent (Wisconsin) U.S.A.: eustacy plays the major role (abst.): The James Hall

- Symposium: Second International Symposium on the Silurian System, Rochester, NY, p. 56.
- Sheehan, P. M., Soja, C. M., Norford, B. S., and Harris, M. T., 1996, Silurian of western North America: The James Hall Symposium: Second International Symposium on the Silurian System, Rochester, NY, p. 85.
- Harris, M. T., Kuglitsch, J. J., Watkins, R., and Sheehan, P. M., 1997, A comparison of Early Silurian stratigraphic sequences of the Great Basin (Utah and Nevada) and the Midcontinent (Wisconsin) U. S. A.: eustacy plays the major role (abst.): Geological Society of America Abstracts with Programs, v. 29, n. 4, p. 19, GSA North Central Section meeting, Madison.
- Harris, M. T., Waldhuetter, K. R., and Hegrenes, D. P., 1997, Lower Silurian (Llandovery) Facies and Sequence Stratigraphy in the Door Peninsula, Wisconsin (abst.): Geological Society of America Abstracts with Programs, v. 29, n. 4, p. 19, GSA North Central Section meeting, Madison.
- Sheehan, P. M., and Harris, M. T., 1997, Abrupt extinction but step-like ecologic recovery of brachiopods across the end-Ordovician extinction on the carbonate platform of the Great Basin (abst.): Geological Society of America Abstracts with Programs, v. 29, n. 6, p. 354, GSA National meeting, Salt Lake City.
- Harris, M. T., and Sheehan, P. M., 1997, The influence of tectonics, eustacy, and sediment accumulation patterns on Late Ordovician-Early Silurian paleogeography and facies patterns of the Great Basin (Utah and Nevada) (abst.): Geological Society of America Abstracts with Programs, v. 29, n. 6, p. 480, GSA National meeting, Salt Lake City.
- Harris, M. T., and Sheehan, P. M., 1998, Early Silurian community stasis and reorganization in a sequence stratigraphic framework: eastern Great Basin (Utah and Nevada) (abst.): Geological Society of America Abstracts with Programs, v. 30, n. , p. , GSA North Central Section meeting, Columbus.
- Simo, J. A., Harris, M. T., and Muldoon, M. A., 1998, Stratigraphy and Sedimentology of the Silurian Dolostones, Door County, Wisconsin: in Fluid Flow in Carbonates: Interdisciplinary Approaches, SEPM Research Conference, Field Trip Guidebook, p. 3-15.
- Harris, M. T., 1999, Changing pedagogy incrementally: case studies on how to lecture less and cover more material (abst.): Geological Society of America Abstracts with Programs, GSA North-Central Section meeting, Champaign, v. 31, n. 5, p. 20.
- McGee, M. M., and Harris, M. T., 1999, Sedimentology of the Silurian Manistique and Racine Formations in Ozaukee County, Wisconsin (abst.): GSA Abstracts with Programs, North-Central Section, v. 31, n. 5, p. 59.
- Joslin, R. R., and Harris, M. T., 2000, Sedimentology, stratigraphy and porosity of the Silurian Aquifer in Ozaukee County, Wisconsin (abst.): American Water Resources Association, Wisconsin Section 24th Annual Meeting, Green Bay, Wisconsin.
- Harris, M. T., and Sheehan, P. M., 2000, An Early Silurian karst surface in the Great Basin and a possible link to glaciation (abst.): Geological Society of America Abstracts with Programs, v. 32, n. 7, p. 277, GSA National meeting, Reno.
- Sheehan, P. M., and Harris, M. T., 2000, Early Silurian stromatolites and thrombolites: successful disaster forms after the Late Ordovician mass extinction (abst.): Geological Society of America Abstracts with Programs, v. 32, n. 7, p. 367-368, GSA National meeting, Reno.

- Harris, M. T., Sheehan, P. M., Ainsaar, L., Hints, L., Mannik, P., Nolvak, J., and Rubel, M., 2001, Late Ordovician carbonates and paleogeography: a comparison of western Laurentia (Great Basin) and Baltica (Estonia) (abst.): Geological Society of America Abstracts with Programs, v. 33, n. 6, p. 214, GSA National meeting, Boston.
- Harris, M. T., Schultz, T., and Sheehan, P. M., 2003, Sequence stratigraphy and basin evolution of the Upper Ordovician (Upper Caradoc-Ashgill) of Estonia (abst.): Geological Society of America Abstracts with Programs, v. 34, n. 7, p. 509, GSA National meeting, Seattle.
- Pope, M. C., Harris, M. T., and Sheehan, P. M., 2003, Toward a Late Ordovician (Cincinnati) sea-level curve (abst.): Geological Society of America Abstracts with Programs, v. 34, n. 7, p. 473, GSA National meeting, Seattle.
- Harris, M. T., Schultz, T., Sheehan, P. M., Ainsaar, L., Hints, L., Männik, P., Nolvak, J., and Rubel, M., 2004, The Upper Ordovician of Estonia: facies, sequences, and basin evolution (abst.): Eighth meeting of the Working Group on the Ordovician Geology and Baltoscandia, Conference Materials, Tartu University Press, Tartu, Estonia, p. 37-38.
- Harris, M. T., Schultz, T., Sheehan, P. M., Ainsaar, L., Hints, L., Männik, P., Nolvak, J., and Rubel, M., 2005, The Upper Ordovician of Estonia: facies, sequences, and basin evolution (abst.): Abstracts for the Second International Symposium of IGCP 503 on Ordovician Palaeogeography and Palaeoclimate. Insight, A Milwaukee Public Museum Series in Natural History, n. 2, p. 11-12.
- Harris, M. T., and Sheehan, P. M., 2005, Sequence Stratigraphy of the Ordovician of the Great Basin: Selected Examples (abst.): Abstracts for the Second International Symposium of IGCP 503 on Ordovician Palaeogeography and Palaeoclimate. Insight, A Milwaukee Public Museum Series in Natural History, n. 2, p. 12-13.
- Harris, M. T., Sheehan, P. M., Ainsaar, L., Hints, L., Männik, P., Nolvak, J., and Rubel, M., 2005, The Lower Silurian of Estonia: Facies, Sequences and Basin Filling (abst.): Sixth Baltic Stratigraphical Conference, St. Petersburg, Russia, Abstract Volume, p. 30-33. Keynote presentation
- Harris, M., Ainsaar, L., and Dronov, A., 2007, The Impact of Ordovician Climate Change on the Carbonate Facies of the East Baltic (Estonia and northwest Russia) (abst.): WOGOGO 2007, Ninth meeting of the Working Group on the Ordovician Geology and Baltoscandia, Field Guide and Abstracts, Rapporteur och meddelanden 128, Geological Survey of Sweden, p. 91-92.
- Hints, L., Harris, M., Hints, O., Lääts, J., Nolvak, J., and Oraspõld, A., The Vormsi Stage in the East Baltic: depositional sequence, facies and faunal differentiation (abst.): WOGOGO 2007, Ninth meeting of the Working Group on the Ordovician Geology and Baltoscandia, Field Guide and Abstracts, Rapporteur och meddelanden 128, Geological Survey of Sweden, p. 92- 93.
- Harris, M. T., Hints, L., and Nolvak, J., 2008, Facies and sequences of the Vormsi Stage of the East Baltic (abst.): Seventh Baltic Stratigraphic Conference, Tallin, Estonia, Abstracts and Field Guide Volume, p. 22

TALKS AND COLLOQUIUM (since coming to UWM)

University of Iowa, 1990, Facies Geometry and Eustasy of the Latemar Buildup, Middle Triassic of the Dolomites, northern Italy. Invited.

University of Wisconsin-Milwaukee, 1992, The Geometry of Carbonate Buildups: Learning the Simple Rules from Computer Models. Volunteered.

University of Illinois-Chicago, 1993, Sediment Dynamics of Reef and Foreslope Deposits of the Latemar Buildup, northern Italy. Invited.

University of Wisconsin-Milwaukee, 1993, Upper Ordovician - Lower Silurian Shelf Sequences of the Eastern Great Basin. Volunteered.

University of Wisconsin at Madison, 1994, Identifying Stratigraphic Sequences in Different Settings. Invited.

Southern Illinois University at Carbondale, 1994, A Carbonate Perspective on Sequence Stratigraphy. Invited.

University of Wisconsin-Milwaukee, 1995, Finding the On-Ramp: Geosciences enters the Superhighway. Co-presented with Jon Kahl. Volunteered.

University of Wisconsin-Oshkosh, 1997, Facies, sequences, and community evolution in the Late Ordovician and Early Silurian, Great Basin (Utah and Nevada). Invited.

University of Chicago, 1998, Exploring stratigraphy and community turnover around the Late Ordovician-Early Silurian mass extinction in the Great Basin. Invited. University of Chicago, 1998. Invited.

Wisconsin-Milwaukee, Sixth Annual Conference on Issues in Undergraduate Education, 1998, Focusing on student learning while maintaining content in geology majors courses. Volunteered.

University of Wisconsin-Milwaukee, Scholarship of Teaching and Learning Conference, 2001, Teaching and Research: The interrelationship, the issues, and the dilemmas faced by faculty members. Volunteered.

University of Wisconsin-Milwaukee, 2007, Baltic Tales: Upper Ordovician and Lower Silurian Facies and Sequences of Estonia. Volunteered.

University of Wisconsin-Oshkosh, 2015, Baltic Tales: Estonian Ordovician and Silurian Facies, Sequences and Climate. Invited.

PROFESSIONAL SERVICE AND ACTIVITIES

Co-leader of SEPM Permian Basin Section field trip, 1982, Western Escarpment of the Guadalupe Mountains, west Texas.

Co-leader of AAPG Post-Convention field trip, 1984, Western Escarpment of the Guadalupe Mountains, west Texas.

Co-organizer of a IAS/SEPM Research Conference "Carbonate Stratigraphic Sequences: sequence boundaries and associated facies" with Toni Simo (UW - Madison) and Evan Franseen (Kansas Geological Survey), September 1992, La Seu, Spain.

Co-convended Symposium at 1994 Cordilleran Section GSA: Sequence Stratigraphy of the Great Basin: Facies Patterns and Sequence Boundaries.

Organized a Great Basin Working Group for Sedimentology and Sequence Stratigraphy. Produced newsletters in Fall 1993, 1994 and 1995; arranged an informal field trip to the House and Confusion Ranges, Utah, in June 1995.

Co-convended session on sea level changes at the 1995 Ordovician Symposium, Las Vegas.

Organizer and co-leader of the Fall 1996 field trip for the Great Lakes Section of SEPM on "The Silurian Dolomite Aquifer of the Door Peninsula: Facies, Sequence Stratigraphy, Porosity and Hydrogeology", Green Bay, Wisconsin.

Great Lakes Section of SEPM: Vice President (1995-96) and President (1997-98). Co-offered core workshop at the 1997 North-Central GSA meeting, Madison, Wisconsin. Member of the SEPM Continuing Education (1995-1997).

Co-organizer of the 1998 SEPM Research Conference “Fluid Flow in Carbonates: Interdisciplinary Approaches” with Maureen Muldoon, Ken Bradbury (both Wisconsin Geological and Natural History Survey) and Toni Simo (UW-Madison), Egg Harbor, Wisconsin.

Associate Editor of Geoscience Wisconsin (1999-date).

Organizing committee for the Spring 2001 Scholarship of Teaching and Learning Conference at University of Wisconsin-Milwaukee.

Co-convened theme session at 2001 National GSA meeting: New Insights into Late Ordovician Climate, Oceanography and Tectonics.

Served on National Science Foundation Review Panel for Geology and Paleontology Program, Spring 2002.

Co-edited set of theme papers for Palaeogeography, Palaeoclimatology, and Palaeoecology: New Insights into Late Ordovician Climate, Oceanography and Tectonics (2004).

Presented a four-day short course at Tartu University (Estonia) entitled “An Introduction to Carbonate Sequence Stratigraphy”, 2004.

Member of SEPM Carbonate, Quantitative Stratigraphy, and Cyclostratigraphy Working Groups.

Member of the Editorial Board of the Estonian Journal of Earth Sciences

Reviewed proposals and manuscripts for:

American Association Petroleum Geologists

Estonian Academy of Sciences - Geology

Geological Society of America Bulletin

Gondwana Research

Guggenheim Foundation

Journal of Geology

Journal of Geoscience Education

Journal of Sedimentary Research

Journal of South African Geology

Kansas Geological Survey

Lethaia

National Science Foundation

Ocean Drilling Program

Palaeogeography, Palaeoclimatology, and Palaeoecology

Petroleum Research Fund

Sedimentary Geology

Sedimentology

SEPM Special Publications

United States Geological Survey

Wisconsin Geological and Natural History Survey

Wisconsin Water Resources Center