

**Michael T. Whalen
Curriculum Vitae**

Department of Geology and Geophysics
University of Alaska Fairbanks
Fairbanks, AK 99775
(907) 474-5302

P.O. Box 85033
Fairbanks, AK 99708
(907) 455-6283

Education

1993 - Ph.D. Geology, Syracuse University, Syracuse, New York.
1985 - M.S. Geology, University of Montana, Missoula, Montana.
1982 - B.A. Geology/Anthropology, Rutgers University, New Brunswick, NJ.

Research Interests

Carbonate petrology and sedimentology, sequence stratigraphy, basin analysis, paleogeography, and paleoceanography.

Professional Experience

University of Alaska Fairbanks, Department of Geology and Geophysics and Geophysical Institute

1995-2001 – Assistant Professor,
2001-present – Associate Professor

Teaching Responsibilities

Stratigraphy and Sedimentation, Advanced Sedimentology and Stratigraphy, Carbonate Petrology, Environmental Geology, Mass Extinctions, Field Geology

Division of Marine Geology and Geophysics, Rosenstiel School of Marine and Atmospheric Science, University of Miami, Florida

1993-1995 – Post-Doctoral Research Associate, Devonian Mixed Systems Project, Rocky Mountains, Alberta, Canada.

State University of New York College at Oswego, New York

1991-1992 – Adjunct Instructor, Physical Geology and Oceanography.

Syracuse University College, Syracuse, New York

1986-1991 – Instructor - Physical and Historical Geology, Earth Science, New York Geology.

Peer Reviewed Journal Publications

Newton, C. R., **Whalen, M. T.**, Thompson, J. B., Prins, N., and DeLalla, D., 1987, Norian (Late Triassic) bivalves from a tropical island arc: Wallowa terrane, Oregon: Paleontological Society Memoir 22, 83 p.

- Whalen, M.T.**, 1988, Depositional history of an Upper Triassic drowned carbonate platform sequence: Wallowa terrane, Oregon and Idaho: *Geological Society of America Bulletin*, v. 100, p. 1097-1110.
- Stanley, G.D., Jr., and **Whalen, M.T.**, 1989, Upper Triassic corals and spongiomorphs from Hells Canyon, Wallowa terrane, Oregon: *Journal of Paleontology*, v. 63, p. 800-818.
- Whalen, M.T.**, 1995, Barred basins: A model for eastern ocean basin carbonate platforms: *Geology*, v. 23, p. 625-628.
- Whalen, M.T.**, 1996, Facies architecture of the Permian Park City Formation, Utah and Wyoming: Implications for the paleogeography and oceanographic setting of western Pangea: *in* Longman, M.W., and Sonnenfeld, M.D., eds., *Paleozoic Systems of the Rocky Mountain Region*, Rocky Mountain Section SEPM (Society for Sedimentary Geology), p. 355-378.
- van Buchem, F.S.P., Eberli, G.P., **Whalen, M.T.**, Mountjoy, E.W., and Homewood, P., 1996, The basinal geochemical signature and platform margin geometries in the Upper Devonian mixed carbonate-siliciclastic system of western Canada, *Bulletin of the Geological Society of France*, v. 167, p. 685-699.
- Clautice, K.H., Newberry, R.J., Blodgett, R.B., Bundtzen, T.K., Gage, B.G., Harris, E.E., Liss, S.A., Miller, M.L., Reifenstuhel, R.R., Clough, J.G., Pinney, D.S., Stone, D.B., and **Whalen, M.T.**, 1999, Preliminary interpretive bedrock geologic map of the Healy A-6 quadrangle, southcentral Alaska, Alaska Division of Geological and Geophysical Surveys Public-Data File 99-24b, 26 p.
- Whalen, M.T.**, Eberli, G.P., van Buchem, F.S.P., Mountjoy, E.W., and Homewood, P.W., 2000, Bypass Margins, Basin-Restricted Wedges And Platform-to-Basin Correlation, Upper Devonian, Canadian Rocky Mountains: Implications For Sequence Stratigraphy Of Carbonate Platform Systems: *Journal of Sedimentary Research*, v. 70, p. 913-936.
- Whalen, M.T.**, Eberli, G.P., van Buchem, F.S.P., and Mountjoy, E.W., 2000, Facies architecture of Upper Devonian carbonate platforms, Rocky Mountains, Canada, *in* Homewood, P.W., and Eberli, G.P., eds., *Genetic stratigraphy on the exploration and production scales - Case studies from the Pennsylvanian of the Paradox Basin and the Upper Devonian of Alberta*: *Bulletin, Centre Recherche Elf Exploration-Production, Mémoire 24*, p. 139-178.
- van Buchem, F.S.P., Chaix, M., Eberli, G.P., **Whalen, M.T.**, Masse, P., and Mountjoy, E.W., 2000, Outcrop to subsurface correlation of the Upper Devonian (Frasnian) in the Alberta Basin (W. Canada) based on the comparison of Miette and Redwater Carbonate Buildup Margins: *in* Homewood, P.W., and Eberli, G.P., eds., *Genetic stratigraphy on the exploration and production scales - Case studies from the Pennsylvanian of the Paradox Basin and the Upper Devonian of Alberta*: *Bulletin, Centre Recherche Elf Exploration-Production, Mémoire 24*, p. 225-267.
- Parrish, J.T., **Whalen, M.T.**, and Hulm, E.J., 2001, Shublik Formation lithofacies, environments, and sequence stratigraphy, Arctic Alaska, U.S.A., *in* Houseknecht, D. ed., *Petroleum Plays and Systems in the National Petroleum Reserve – Alaska*. SEPM (Society for Sedimentary Geology) Core Workshop No. 21, p. 89-110.
- Whalen, M.T.**, Day, J., Eberli, G.P., and Homewood, P.W., 2002, Microbial carbonates as indicators of environmental change and biotic crises in carbonate systems: examples from the Upper Devonian, Alberta basin, Canada, *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 181, p. 127-151.

Montayne, S., and **Whalen, M.T.**, 2003, Permian cool-water limestones from the Chulitna terrane, south central Alaska, Short Notes on Alaska Geology 2003, State of Alaska Division of Geological and Geophysical Survey, p. 53-62

Day, J., and **Whalen, M. T.**, 2004, Thornton Creek Member (new) of the Slave Point Formation, and the Initial Middle Devonian (late Givetian) Onlap of the West Alberta Arch, Canadian Rocky Mountains: *in* Lane, H.R., Talent, J.R., and Barrick, J., eds., Lower-Middle Paleozoic Stratigraphy, Sequence Stratigraphy, Biostratigraphy and Biogeography: Studies in Honor of Gilbert Klapper. Bulletins of American Paleontology, Paleontological Research Institute, Rochester, New York (in press).

Other Publications

Whalen, M. T., 1993, Depositional and diagenetic history of the Park City Formation carbonate ramp, northwestern USA: Implications for eastern ocean basin carbonate platform development [Ph.D. thesis]: Syracuse, New York, Syracuse University, 270 p.

Whalen, M.T., Eberli, G.P., Van Buchem, F.S.P., Homewood, P., and, Mountjoy, E.W., 1994, Upper Devonian mixed carbonate-siliciclastic system of western Alberta: Sequence stratigraphy, high-resolution stratigraphy, reservoirs, and source rocks. Core Workshop and Field Guide for COPREP consortium (Elf Aquitaine, Gaz d'France, Institut Français du Petrole, and TOTAL), July 27-29, Calgary, Canmore, and Banff and Jasper National Parks, Alberta, Canada, 64 p.

Whalen, M.T. and Eberli, G.P., 1996, Sedimentology, Sequence Stratigraphy, and Platform-to-Basin Correlation in an Upper Devonian Mixed Carbonate- Siliciclastic System: Rocky Mountains, Alberta, Canada: Internal final report for COPREP consortium (Elf Aquitaine, Gaz d'France, Institut Français du Petrole, and TOTAL).

Wallace, W.K., Hanks, C.L., **Whalen, M.T.**, Jensen, J., Atkinson, P.K., and Brinton, J.S., 2001, The influence of fold and fracture development on reservoir behavior of the Lisburne Group of northern Alaska, Fossil Energy, Semi-Annual Report May-Oct. 1999, National Petroleum Technology Office, U.S. Department of Energy, Tulsa, Oklahoma.

Wallace, W.K., Hanks, C.L., **Whalen, M.T.**, Jensen, J., Lorenz, J., Atkinson, P.K., Brinton, J.S., Karpov, A.V., 2001, The influence of fold and fracture development on reservoir behavior of the Lisburne Group of northern Alaska, Fossil Energy, Annual Report May1999- May 2000, National Petroleum Technology Office, U.S. Department of Energy, Tulsa, Oklahoma.

Wallace, W.K., Hanks, C.L., **Whalen, M.T.**, Jensen, J., Shackleton, J.R., Jadamec, M.A., McGee, M.M., and Karpov, A.V., 2001, The influence of fold and fracture development on reservoir behavior of the Lisburne Group of northern Alaska, Fossil Energy, Semi-Annual Report May 2000 – Jan. 2001, National Petroleum Technology Office, U.S. Department of Energy, Tulsa, Oklahoma.

Wallace, W.K., Hanks, C.L., **Whalen, M.T.**, Jensen, J., Atkinson, P.K., Brinton, J.S., Bui, T., Jadamec, M.A., Karpov, A.V., Krumhardt, A.P., Lorenz, J., McGee, M.M., and Shackleton, J.R., 2002, The influence of fold and fracture development on reservoir behavior of the Lisburne Group of northern Alaska, Fossil Energy, Semi-Annual Report Jan. – June 2001, National Petroleum Technology Office, U.S. Department of Energy, Tulsa, Oklahoma.

Wallace, W.K., Hanks, C.L., **Whalen, M.T.**, Jensen, J., Atkinson, P.K., Brinton, J.S., Bui, T., Jadamec, M.A., Karpov, A.V., Lorenz, J., McGee, M.M., Parris, T.M., and Shackleton, J.R., 2004, The influence of fold and fracture development on reservoir behavior of the

Lisburne Group of northern Alaska, Fossil Energy, Final Report Sept. 1998-Sept. 2002, National Petroleum Technology Office, U.S. Department of Energy, Tulsa, Oklahoma.

Abstracts

- Whalen, M.T.**, 1984, The paleoecology and carbonate petrology of Upper Triassic carbonates in northwestern Idaho and northeastern Oregon: Northwest Scientific Association-Montana Academy of Science Conference Program and Abstracts, Abstract #142.
- Whalen, M.T.**, 1985, Carbonate petrology and paleoecology of the Martin Bridge Formation, Seven Devils terrane, Idaho and Oregon: Geological Society of America Abstracts with Programs, v. 17, p. 270.
- Whalen, M.T.**, and Stanley, G.D., Jr., 1985, Triassic stratigraphy and paleontology of the Wrangell Mountains and Hells Canyon: Is the Wallowa terrane really part of Wrangellia?: Proceedings of the Pacific Division, American Association for the Advancement of Science, Program with Abstracts, v. 4, p. 43.
- Millazzo, G., Plumley, P.W., and **Whalen, M.T.**, 1987, Tertiary tectonics of the Porcupine terrane, Northeastern Alaska: EOS, Transactions of the American Geophysical Union, v. 68, p. 292.
- Whalen, M.T.**, 1990, Styles of silicification in the Permian Park City Formation, northeastern Utah: Geological Society of America Abstracts with Programs, v. 22, p. 50.
- Whalen, M.T.**, 1991a, Oceanographic restriction and deposition of the Permian Park City and Phosphoria Formations, northeastern Utah and western Wyoming: American Association of Petroleum Geologists Bulletin, v. 75, p. 692.
- Whalen, M.T.**, 1991b, Patterns of dolomitization in the Permian Park City Formation, northeastern Utah and western Wyoming: American Association of Petroleum Geologists Bulletin, v. 75, p. 1659.
- Whalen, M.T.**, 1992, Facies architecture and sequence stratigraphy of the Park City Formation, Utah and Wyoming: implications for the Permian sea-level history of Pangea's western continental margin: Geological Society of America Abstracts with Programs, v. 24, p. A109.
- Homewood, P., **Whalen, M.T.**, Van Buchem, F., Eberli, G., and Mountjoy, E., 1993, From platform to buildup: a stratigraphic feedback system of bathymetric profile, physical processes and the carbonate factory (the Miette and Ancient Wall Reef Complexes, Canadian Rocky Mountains): American Association of Petroleum Geologists Annual Convention Program, p. 120.
- Whalen, M.T.**, 1993, Oceanographic and tectonic controls on carbonate platform development, western Pangea: Carboniferous to Jurassic Pangea, Canadian Society of Petroleum Geologists & Global Sedimentary Geology Program and Abstracts, p. 336.
- Whalen, M.T.**, van Buchem, F., Homewood, P., Eberli, G., and Mountjoy, E., 1993a, Stratigraphic control of the sedimentological record: Devonian platform-margin development, Canadian Rocky Mountains: International Association of Sedimentologists Annual Meeting, Marrakech, Morocco.
- Whalen, M.T.**, Eberli, G.P., van Buchem, F.S.P., Mountjoy, E.W., and Homewood, P., 1993b, Sequence stratigraphy and platform to basin correlation in a mixed carbonate-siliciclastic system, Late Devonian, western Alberta: Geological Society of America Abstracts with Programs, v. 25, p. 338.

- van Buchem, F.S.P., Eberli, G.P., **Whalen, M.T.**, Mountjoy, E.W., and Homewood, P., 1994, The sequence stratigraphic significance of TOC and carbonate carbon trends in a mixed carbonate/siliciclastic system (Upper Devonian, western Alberta, Canadian Rocky Mountains), American Association of Petroleum Geologists Annual Convention Program, p. 275.
- Whalen, M.T.**, Eberli, G.P., van Buchem, F.S.P., Mountjoy, E.W., Homewood, P., 1995 Controls on Carbonate Platform Geometries and Facies Stacking Patterns: Influence of Second-Order Sea-Level Fluctuations and Sediment Supply, Upper Devonian, Rocky Mountains, Alberta, American Association of Petroleum Geologists Annual Convention Program, v. 4, p. 104A.
- Eberli, G.P., **Whalen, M.T.**, and Vecsei, A., 1995, Differentiating highstand and lowstand deposition in onlapping carbonate wedges, SEPM Congress on Sedimentary Geology Abstracts.
- Whalen, M.T.**, Eberli, G.P., van Buchem, F.S.P., and Mountjoy, E.W., 1996, Variations in styles of carbonate platform development in response to sediment supply and sea-level change: examples from the Upper Devonian, Western Canada, Geological Society of America Abstracts with Programs, v. 28, p. A366.
- Whalen, M.T.**, Eberli, G.P., van Buchem, F.S.P., and Mountjoy, E.W., 1997, Sequence stratigraphic development of Upper Devonian isolated carbonate platforms, Rocky Mountains, western Alberta: Implications for platform-to-basin correlation, CSPG/SEPM Joint Convention Program with Abstracts, p. 292.
- Whalen, M.T.**, Eberli, G.P., van Buchem, F.S.P., and Mountjoy, E.W., 1997, Facies Variations and Carbonate Platform Evolution: Examples from the Devonian of Western Canada, Geological Society of America Abstracts with Program, v. 29, p. A-42.
- Whalen, M.T.**, Eberli, G.P., and Homewood, P.W., 1998, Microbial carbonates as indicators of environmental change and biotic crises in carbonate systems: examples from the Upper Devonian, Alberta Basin, Canada, Geological Society of America Abstracts with Programs, v. 30, p. A-195.
- Hulm, E.J., and **Whalen, M.T.**, 1998, Subsurface facies architecture, sequence stratigraphy and implications for paleogeography and sea-level history of the Upper Triassic-Lower Jurassic, Arctic Alaska, Geological Society of America Abstracts with Programs, v. 30, p. A-146.
- Whalen, M.T.**, Blodgett, R.B., Stanley, G.D., Jr., Clautice, K., Newberry, R., 1999, Late Paleozoic and Early Mesozoic Carbonate Rocks and Depositional History of the Chulitna Terrane, Alaska Geological Society Technical Conference, Fairbanks, Alaska, April, 1999.
- Whalen, M.T.**, and Day, J.E., 2000, Initial Devonian Onlap of the West Alberta Arch, Canadian Rocky Mountains: Implications for paleogeography and sea-level history of western Alberta, American Association of Petroleum Geologists Annual Convention Program, v. 9, p. A-156
- Whalen, M.T.**, 2000, Outcrop to subsurface correlation and reservoir analysis of Lisburne Group carbonates: northeastern Brooks Range and Prudhoe Bay, Alaska, American Association of Petroleum Geologists Annual Convention Program, v. 9, p. A-156.
- Whalen, M.T.**, McGee, M.M., and Krumhardt, A.P., 2000, Carboniferous greenhouse-to-icehouse transition recorded in a cool-water carbonate ramp, Lisburne Group, Northern Alaska, Geological Society of America Abstracts with Programs, v. 32.

- McGee, M. M., **Whalen, M. T.**, and Krumhardt, A. P., 2001, Stratigraphy of the Carboniferous Lisburne Group, Philip Smith Mountains, Arctic National Wildlife Refuge, Alaska, Alaska Geological Society Technology Conference, Fairbanks, Alaska, Abstracts Volume, p. 29
- Mull, C.G., Harris, E. E., **Whalen, M.T.**, Mickey, M.B., and Banet, A., 2001, Organic-rich, Oil-prone Triassic-Jurassic Source Rocks and a New Exploration Play Type in Southern Colville Basin and East-central Brooks Range Foothills, Northern Alaska, American Association of Petroleum Geologists Annual Convention Program, v.10, p. A140.
- McGee, M.M., and **Whalen, M.T.**, 2002, Facies stacking and reservoir potential of greenhouse and icehouse carbonates: Carboniferous Lisburne Group, northern Alaska, American Association of Petroleum Geologists Annual Convention Program, v. 11, p. A117.
- Whalen, M.T.**, Kelly, L.N., Mull, C.G., Mickey, M., Banet, A., and Hulm, E.J., 2002, High Resolution Outcrop Stratigraphy and Surface-to-Subsurface Correlation of Upper Triassic Rocks, Northern Alaska, American Association of Petroleum Geologists Pacific Section Convention Program.
- McGee, M.M., and **Whalen, M.T.**, 2002, Stratigraphy of the Carboniferous Lisburne Group, Porcupine Lake Valley, Brooks Range, Arctic National Wildlife Refuge, Alaska, American Association of Petroleum Geologists Pacific Section Convention Program, v. 11, p.A117.
- Whalen, M.T.**, and Kelly, L., 2002, High resolution sequence stratigraphy, geochemistry, and paleoenvironmental interpretation of Triassic upwelling zone deposits, northern, Alaska. Geological Society of America Abstracts with Programs, v. 34, p. 15-16.
- McGee, M.M., and **Whalen, M.T.**, 2002, Stratigraphy of the Carboniferous Lisburne Group Carbonates, Northeastern Brooks Range, northern Alaska, American Association of Petroleum Geologists Student Expo.
- Day, J.E., and **Whalen, M.T.**, 2002, Timing Of Middle And Upper Devonian Sea Level Events And Carbonate Platform (Miette And Ancient Wall) Development In Western Alberta, Geological Society of America Abstracts with Programs, v. 34, p.
- Kelly, L.N., and **Whalen, M.T.**, 2002, High resolution sequence stratigraphy, geochemistry, and paleoenvironmental interpretation of Triassic upwelling zone deposits, northern, Alaska: implications for paleoredox conditions and paleoceanography, Alaska Geological Society Geology Symposium, Fairbanks, Alaska, Abstracts Volume, p. 42.
- McGee, M.M., and **Whalen, M.T.**, 2003, Sequences stratigraphy of the Carboniferous Lisburne Group, northeastern Brooks Range, northern Alaska, Alaska Geological Society Geology Symposium, Fairbanks, Alaska, Abstracts Volume, p. 48.
- McGee, M.M., and **Whalen, M.T.**, 2003, Sequences stratigraphy of the Carboniferous Lisburne Group, northeastern Brooks Range, northern Alaska, American Association of Petroleum Geologists Annual Convention Program, v.12, p. A-116.
- McGee, M.M., and **Whalen, M.T.**, 2003, Sequence stratigraphy of the Carboniferous Lisburne Group carbonates, northeastern Brooks Range, northern Alaska, American Association of Petroleum Geologists Student Expo.
- Day, J.E., and **Whalen, M.T.**, 2003, Western Laurussian record of regional and global Middle-Late Devonian sea level changes and bioevents: Alberta Rocky Mountains, Geological Society of America Abstracts with Programs, vol. 35, p. 208.

Grants

Master's Thesis

Carbonate petrology and paleoecology of Upper Triassic limestones of the Wallowa terrane, Oregon and Idaho.

1983 - Sigma Xi Grant-in-Aid

1983 - University of Montana Research Grant.

Doctoral Dissertation

Depositional and diagenetic history of the Park City Formation (Permian) carbonate ramp, northwestern USA: Implications for eastern ocean basin carbonate platform development.

1986 - Syracuse University Senate Research Grant,

1986 - Geological Society of America Penrose Grant.

1988 - Sigma Xi Grant-in-Aid.

1989 - Amoco Research Grant

1989 - Syracuse University Small Grant for Graduate Student Research.

1990 - Geological Society of America Penrose Grant.

1991 - Amoco and Edge Petroleum Grants to AAPG Student Presenters

1992 - Syracuse University Graduate School Travel Grant

1992 - Geological Society of America NE Section Travel Grant

Post-Doctoral

1996 –American Chemical Society Petroleum Research Fund - Type G Grant: \$20,000 for **Whalen, M.T.**, Regional Surface to Subsurface Sequence- and Chrono-Stratigraphy of Carbonate Platform-to-Basin Transitions, Upper Devonian, Alberta.

1997 –American Chemical Society Petroleum Research Fund - Summer Research Fellowship: \$5,000 for **Whalen, M.T.**, Regional Surface to Subsurface Sequence- and Chrono-Stratigraphy of Carbonate Platform-to-Basin Transitions, Upper Devonian, Alberta. Summer Research Fellowship for collaboration with Dr. James E. Day, Illinois State University.

1998 – U.S. Department of Energy Program Research and Development Grant: \$750,000 for Wallace, W.K., Hanks, C.L., Jensen, J., and **Whalen, M.T.**, The influence of fold and fracture development on reservoir behavior of the Lisburne Group of northern Alaska.

2000 – Industry sponsors group Research Grant: \$50,000 for Hanks, C. L., McCarthy, P.J., Wallace, W.K., Whalen, M.T., Integrated Geologic Studies of Northeastern Alaska.

2000 – University of Alaska Natural Resources Fund Grant: \$19,597 for Whalen, M.T., Sequence Stratigraphy and Geochemistry of Triassic Sedimentary Rocks, eastern Brooks Range: Implications for Source and Reservoir Rock Analysis.

2001 – Tectonics and Sedimentation Research Group Industry Sponsors Research Grant: \$65,000 for Wallace, W.K., Hanks, C. L., McCarthy, P.J., Whalen, M.T., Integrated Geologic Studies of Northeastern Alaska.

2001 – Alaska Division of Geological and Geophysical Surveys Research Grant: \$21,600 for Whalen, M.T., Sequence Stratigraphy and Geochemistry of Triassic Sedimentary Rocks, eastern Brooks Range: Implications for Source and Reservoir Rock Analysis/

- 2002 – Tectonics and Sedimentation Research Group Industry Sponsors Research Grant: \$43,500 for Wallace, W.K., Hanks, C. L., McCarthy, P.J., Whalen, M.T., Integrated Geologic Studies of Northeastern Alaska.
- 2002 – American Chemical Society Petroleum Research Fund Type AC Grant: \$80,000 for Whalen, M.T., and Day, J., Integrated Devonian Event Stratigraphy, Western North America.
- 2003 – Alaska Division of Geological and Geophysical Surveys Research Grant: \$10,600 for Whalen, M.T., and McRoberts, C.A., Diversity, Biochronology, Sequence Stratigraphy, and Geochemistry of the Marine Triassic of Northern Alaska.
- 2003 – PetroCanada research grant: \$4000 (logistical support) for Whalen, M.T., and Dumoulin, J., High-resolution sequence stratigraphy and reservoir characterization of the Carboniferous Lisburne Group, Central Brooks Range
- 2004 -- Alaska Division of Geological and Geophysical Surveys Research Grant: \$5000 (logistical support) for Whalen, M.T., and Dumoulin, J., High-resolution sequence stratigraphy and reservoir characterization of the Carboniferous Lisburne Group, Central Brooks Range.

Professional Affiliations

Alaska Geological Society (AGS), American Association of Petroleum Geologists (AAPG), Geological Society of America (GSA), National Association of Geoscience Teachers (NAGT), Society for Sedimentary Geology (SEPM).

Honors and Invited Lectures

- 1985 – Invited speaker, Symposium on Suspect Terranes, Accretionary Tectonics, and the Evolution of the Cratonic Margin of the Northwestern United States, 66th Annual Meeting, Pacific Division, American Association for the Advancement of Science.
- 1992 – Participant NSF sponsored workshop on modern carbonates and soils, San Salvador, Bahamas.
- 1992 – Participant IUGS - GSGP - Project PANGAEA, Lawrence, KS.
- 1996 – Invited speaker UAF Department of Geology and Geophysics Seminar Series
- 1998 – Invited speaker UAF Department of Geology and Geophysics Seminar Series
- 1999 – Invited speaker Washington State University Department of Geology
- 2000 – Five year service award from UAF
- 2001 – Medal of Merit from the Canadian Society of Petroleum Geologists for the best paper published in 2000 on a subject related to the petroleum geology of Canada for Whalen et al., 2000, Bypass Margins, Basin-Restricted Wedges And Platform-to-Basin Correlation, Upper Devonian, Canadian Rocky Mountains: Implications for Sequence Stratigraphy of Carbonate Platform Systems: Journal of Sedimentary Research, v. 70, p. 913-936.
- 2001 – Invited speaker UAF Department of Geology and Geophysics Seminar Series

Analytical Experience

Transmitted light microscopy

Cathodoluminescent microscopy
Scanning Electron Microscopy
X-ray diffractometry
Magnetic Susceptibility Analysis
Outcrop Gamma Ray Spectrometry
Major and trace element analyses via Direct Current Plasma - Atomic Emission Spectroscopy
Total Organic Carbon analysis via a LECO carbon analyzer
Total carbonate analysis via a gasometric carbonate analyzer
Organic carbon and carbonate carbon analysis by Loss On Ignition
CO₂ vacuum extraction for stable isotope analyses
Geologic sampling and sample description
Chemical microfossil, palynological, and mineral separation techniques

Professional Service

- 2004 – Peer reviewer for two proposal submitted to the Petroleum Research Fund, American Chemical Society: one by N. Chow and another by J. Tropp.
- 2004 – Peer reviewer for manuscript submitted to the *Journal of Asian Earth Sciences* by Shen et al.
- 2003 – Department of Geology and Geophysics co-Chair
- 2003 – Peer reviewer for proposal submitted to the National Science Foundation by Taylor and Krings
- 2003 – Member of the Petroleum Engineering Program Review Committee charged with an overall program review and making recommendations for improvement and continuation of the program
- 2003 – Peer reviewer for a proposal submitted to the Petroleum Research Fund, American Chemical Society by Hiatt.
- 2002 – Peer reviewer for a manuscript by Bekker and Eriksson submitted to *Sedimentary Geology*, Oral and Poster session chair at the American Association of Petroleum Geologists Pacific Section Meeting, Peer reviewer for a manuscript by Stephens and Sumner submitted to the *Journal of Sedimentary Research*
- 2001 – Peer reviewer for a manuscript by Carlson et al. submitted to the *Journal of Sedimentary Research*
- 2000-2001 - Dept. of Geology and Geophysics Committee on changes to the Graduate Program, Geophysical Institute/Dept. of Geology and Geophysics Basin Analyst/Exploration Geophysicist Search Committee, Dept. of Geology and Geophysics academic advisor
- 2000 - Peer reviewer of *Bedrock Geologic Map of the Sagavanirktok B-1 Quadrangle, eastern North Slope Alaska* by Reifentstuhel et al. submitted to the Alaska Division of Geological and Geophysical Surveys, one manuscript submitted to *Sedimentary Geology*, one National Science Foundation proposal, and three internal Geophysical Institute proposals.
- 1999-2002 Arco and BP Scholarship evaluation committees
- 1999-2000 - University of Alaska Fairbanks, Department of Geology and Geophysics committee on Earth Systems Science Bachelor of Science degree program
- 1999 – Peer reviewer for a grant proposal submitted to the Petroleum Research Fund of the American Chemical Society.
- 1997-1999 - University of Alaska Fairbanks Faculty Senator, Chair Graduate and Professional Curriculum Affairs Committee, Member - Administrative Committee and Ad Hoc committee on Academic Unit Criteria.
- 1998 - University of Alaska Fairbanks, Department of Geology and Geophysics Clastic Sedimentologist Search Committee and Lab Coordinator Search Committee.

- 1998 - Peer reviewer for one National Science Foundation grant proposal and a manuscript submitted to Stanley, G.D. Jr., ed., *Evolution of Reef Ecosystems*.
- 1997 - Peer reviewer for one manuscript submitted to the *Journal of Sedimentary Research*, one submitted to *Sedimentology* and two submitted to Homewood, P.W., and Eberli, G.P., eds., *Genetic stratigraphy on the exploration and production scales – Case studies from the Pennsylvanian of the Paradox Basin and the Upper Devonian of Alberta*: Elf Aquitaine Bulletin Memoir 24
- 1996-2003 -University of Alaska Fairbanks, Department of Geology and Geophysics
Graduate Admissions Committee
2001-2003 – Chair of Committee
- 1996-1998 -University of Alaska Fairbanks, Department of Geology and Geophysics
Computer Committee.
- 1996-1998 - University of Alaska Fairbanks, Alaska Quaternary Center Board of Directors.
- 1995-1996 - University of Alaska Fairbanks, College of Natural Sciences, Committee on Instructional Technology
- 1996 - Peer reviewer for a manuscript submitted to the *Journal of Sedimentary Research* and two manuscripts submitted to Longman, M.W., and Sonnenfeld, M.D., eds., *Paleozoic Systems of the Rocky Mountain Region*, Rocky Mountain Section SEPM
- 1995 - Matson Award Judge, Annual American Association of Petroleum Geologists Meeting, Houston, TX.
- 1988-1990 - Syracuse University Chancellor's Committee on Recycling.
- 1986-1990 - Syracuse Graduate and Professional Students Association, Inc.
1987-1988 - Chair of the Board.
- 1985-1990 - Syracuse University Graduate Student Senator.
- 1986-1988 - Syracuse University Senator.
1986-1987 - Syracuse University Senate Committee on Research.
1987-1988 - Syracuse University Senate Committee on Academics.
- 1986-1987 - Syracuse University Board of Graduate Studies and Academic Planning Committee.