

HARRY MARTIN JOL

Department of Geography and Anthropology
University of Wisconsin-Eau Claire
105 Garfield Avenue
P.O. Box 4004
Eau Claire, WI 54702-4004 U.S.A.

Office: (715) 836-3472
Fax (24 hr): (715) 836-6027
Residence: (715) 834-1250
E-mail: jolhm@uwec.edu
Web: www.uwec.edu/jolhm

EDUCATION

- Ph.D.** UNIVERSITY OF CALGARY, Calgary, Alberta, Canada
1993 *Thesis:* Ground Penetrating Radar (GPR): A New Geophysical Methodology Used to Investigate the Internal Structure of Sedimentary Deposits (Field Experiments on Deltas)
Advisor: Dr. Derald G. Smith
- M.Sc.** SIMON FRASER UNIVERSITY, Burnaby, British Columbia, Canada
1989 *Thesis:* Seismic Stratigraphic Analysis of the Southeastern Fraser River Delta, B.C.
Advisor: Dr. Michael C. Roberts
- B.Sc.** SIMON FRASER UNIVERSITY, Burnaby, British Columbia, Canada
1987 *Major:* Physical Geography

ACADEMIC AWARDS

- 2008 Geological Society of America Fellow
2003 Visiting Erskine Fellowship – University of Canterbury, Christchurch, New Zealand
2002-03 University of Wisconsin Sabbatical Leave
1999 Nominated CASE Professor of the Year (Teaching)
1999 Distinguished Educational Web Site
1994-96 NSERC Post-Doctoral Fellowship (2 yrs)
1993-94 University of Calgary Post-Doctoral Fellowship
1993 Province of Alberta Graduate Scholarship
1992 Izaak Walton Killam Memorial Scholarship
1991-92 Ralph Steinhauer Award of Distinction (2 yrs)
1991-92 Petro-Canada Inc. Graduate Research Award (2 yrs)
1989-90 NSERC Postgraduate PG3 Scholarship (2 yrs)
1988 Simon Fraser University Graduate Fellowship
plus 9 Undergraduate awards

TEACHING EXPERIENCE

- 2006 – present **Professor**, University of Wisconsin-Eau Claire
Geography 104 - The Physical Environment
Geography 304/360 – Geomorphology
Geography 361 – Environmental Hazards
Geography 395 – Directed Studies
Geography 401 – Desert Southwest Field Studies (Capstone Seminar)
Geography 401 – New Zealand Field Studies (Capstone Seminar)
Geography 405 – Senior Thesis
Geography 498 – Community Internship
Continuing Education (Community) - Explorations in Biblical Archaeology I & II

- 1999- 2006 **Associate Professor (Tenured)**, University of Wisconsin-Eau Claire
 Geography 104 - The Physical Environment
 Geography 335 - Geographic Information Systems
 Geography 338 - Remote Sensing of the Environment
 Geography 360 – Geomorphology
 Geography 361 - Environmental Hazards
 Geography 395 – Directed Studies
 Geography 401 –Hawaii Field Studies (Capstone Seminar)
 Geography 401 – Pacific Northwest Field Studies (Capstone Seminar)
 Geography 491 – Big Island Hawaii Field Studies (Capstone Seminar)
 Geography 491 – Western Nevada/Eastern California Field Studies (Capstone Seminar)
 Geography 491 – Advanced GIS and Remote Sensing
- 1996-99 **Assistant Professor (Tenure-Track)**, University of Wisconsin - Eau Claire
 Geography 104 - The Physical Environment
 Geography 335 - Geographic Information Systems
 Geography 338 - Remote Sensing of the Environment
 Geography 395 – Directed Studies
 Geography 491 - Death Valley Field Studies
 Geography 491 – Western Nevada/Eastern California Field Studies (Capstone Seminar)
 Geography 491 - Environmental Hazards
 Geography 491 – Western Nevada/Death Valley Field Studies (Capstone Seminar)
 Geography 491 – Advanced GIS and Remote Sensing
- 1996 **Sessional Instructor**, Trinity Western University, BC
 Geography 390 - Introduction to Geographic Information Systems (GIS)
 Directed studies: Geography 383ds - Quantitative Methods
 Geography 384ds - Techniques and Methods in Geography
- 1995 **Sessional Instructor**, Trinity Western University, BC
 Geography 280 - Principles of Cartography and Map Interpretation
- 1994 **Sessional Instructor**, University College of the Fraser Valley, BC
 Geography 102 - Evolution of the Earth's Surface (2 sections)
- 1994 **Sessional Instructor**, University of Calgary, AB
 Geography 201 - The Physical Environment (2 Sections)
 - large introductory class 300+ students
- 1993 **Co-Instructor**, University of Calgary, AB
 Geography 307 - Landform Processes and Morphology
- 1992 Teaching introductory geomorphology and desert geomorphology to undergraduates on a one week geomorphic field trip in Death Valley, California
- 1990-93 Guest lecturer/field trip guide - ground penetrating radar, deltas
- 1989-90 Instructor and Project Supervisor (Canada World Youth) - responsible for development and implementation of a youth educational international development program involving participants and communities in Canada and Indonesia

PUBLICATIONS and PRESENTATIONS

Refereed Papers

46. Peterson, C.D., Jol, H.M., Vanderburgh, S., Phipps, J.B., and Gelfenbaum, G., (in press), High-resolution dating of Late-Holocene shoreface progradation in the Columbia River Littoral cell, USA: regional correlation of coseismic retreat events: *Marine Geology*.
45. Peterson, C.D., Cruikshank, K.M., Jol, H.M., and Schlichting, R.B. (in press), Minimum run up heights of paleotsunami from evidence of sand ridge overtopping at Cannon Beach, Oregon, Central Cascadia Margin, USA: *Journal of Sedimentary Research*.
44. Rother, H., Jol, H.M., and Shulmeister, J., 2007, Stratigraphy and tectonic implications of Late Pleistocene valley fill in the Hope Valley, Canterbury, South Island, New Zealand, *in* Baker, G.S., and Jol, H.M., eds., *Stratigraphic Analyses Using GPR: Geological Society of America Special Publication 432*, p. 155 – 168.
43. Mumpy, A.J., Jol, H.M., Kean, W.F., and Isbell, J.L., 2007, Architecture and sedimentology of an active braid bar in the Wisconsin River: based on 3-D ground penetrating radar, *in* Baker, G.S., and Jol, H.M., eds., *Stratigraphic Analyses Using GPR: Geological Society of America Special Publication 432*, p. 111 – 132.
42. Peterson, C.D., Jol, H.M., and Percy, D., and Nielsen, E.L., 2007, Groudwater surface trends from ground penetrating radar (GPR) profiles taken across Late Holocene barriers and beach plains of the Columbia River littoral system, Pacific Northwest Coast, USA, *in* Baker, G.S., and Jol, H.M., eds., *Stratigraphic Analyses Using GPR: Geological Society of America Special Publication 432*, p. 59 - 76.
41. Fisher, T.G., Loope, W.L., Pierce, W., and Jol, H.M., 2007, Big lake records in a little lake's sediment: an example from Silver Lake, Michigan, USA: *Journal of Paleolimnology*, v. 37, p. 365-382. DOI 10.1007/s10933-0053-2
40. Moyses, S., Knight, R., and Jol, H., 2006, Texture-based classification of ground-penetrating radar images: *Geophysics*, v. 71(6), p K111-K118.
39. Nobes, D.C., Rother, H., van der Kruck, J., and Jol, H.M., 2006, Radar "lensing" by a small river: Can a layer of surface water improve the signal?: *Near Surface Geophysics*, v. 4, p. 69-74.
38. Smith, D.G., Jol, H.M., Smith, N.D., Kostachuk, R.A., and Pearce, C.M., 2005, The wave-dominated William River Delta, Lake Athabasca, Canada: its morphology, radar stratigraphy, and history, *in* Giosan, L. and Bhattacharya, J.P., eds., *River Deltas - Concepts, Models and Examples: SEPM Special Publication 83*, p. 295 – 318.
37. Fisher, T.G., Jol, H.M., and Boudreau, A.M., 2005, Saginaw Lobe tunnel channels (Laurentide Ice Sheet) and their significance in south-central Michigan, USA: *Quaternary Smith Reviews*, v. 24, p. 2375-2391.
36. Havholm, K.G., Ames, D.V., Whittecar, G.R., Wenell, B.A., Riggs, S.R., Jol, H.M., Berger, G.W., and Holmes, M.A., 2004, Stratigraphy of back-barrier coastal dunes, northern North Carolina and southern Virginia: *Journal of Coastal Research*, v. 20, p. 980-999.
35. Reeder, P., Jol, H., Freund, R., and Savage, C., 2004., *Geoarchaeology of the Qumran Archaeological Site, Israel: Focus on Geography*, v. 48, p. 12-19.
34. Moore, L.J., Jol, H.M., Kruse, S., Vanderburgh, S., and Kaminsky, G.M., 2004, Annual layers revealed in the subsurface of a prograding coastal barrier: *Journal of Sedimentary Research*, v. 74, p. 690-696.
33. Loope, W.L., Fisher, T.G., Jol, H.M., Goble, R.J., Anderton, J.B., and Blewett, W.L., 2004, A Holocene history of dune-mediated landscape change along the southeastern shore of Lake Superior: *Geomorphology*, v. 61, p. 303-322.

32. Jol, H.M., Lawton, D., and Smith, D.G., 2003, Ground penetrating radar: 2D and 3D examples from Long Beach Washington: *Geomorphology*, v. 53, p. 165-181.
31. Jol, H.M., Bristow, C.S., Smith, D.G., Junck, M.B., and Putnam, P., 2003, Stratigraphic imaging of the Navajo Sandstone using ground-penetrating radar: *The Leading Edge*, v. 22(9), p. 882-887.
30. Moore, L.J., Kaminsky, G.M., and Jol, H.M., 2003, Linkages between shoreline progradation and El Nino southern oscillations, Southwest Washington, USA: *Geophysical Research Letters*, v. 39(9), p. 1448 - , DOI:10.1029/2002GL016147.
29. Jol, H.M., and Bristow, C.S., 2003, GPR in sediments: advice on data collection, basic processing and interpretation, a good practice guide, *in* Bristow, C.S. and Jol, H.M., eds., *GPR in Sediments: Geological Society of London, Special Publication 211*, p. 9-27.
28. Fisher, T.G., Taylor, L.D., and Jol, H.M., 2003, Boulder-gravel hummocks and wavy, basal till contacts: products of subglacial meltwater flow beneath the Saginaw Lobe, south-central Michigan, U.S.A.: *Boreas*, v. 32, p. 328-336.
27. Kruse, S.E., and Jol, H.M., 2003, Amplitude and waveform analysis of repetitive GPR reflections: a Lake Bonneville Delta, Utah, *in* Bristow, C.S. and Jol, H.M., eds., *GPR in Sediments: Geological Society of London, Special Publication 211*, p. 287-298.
26. Havholm, K.G., Bergstrom, N.D., Running IV, G.L., and Jol, H.M., 2003, GPR survey of a Holocene Aeolian/Fluvial/Lacustrine Succession, Lauder Sand Hills, Manitoba, Canada, *in* Bristow, C.S. and Jol, H.M., eds., *GPR in Sediments: Geological Society of London, Special Publication 211*, p. 47-54.
25. Smith, D.G., Simpson, C.J., Jol, H.M., Meyers, R.A., and Currey, D.R., 2003, Radar stratigraphy used to infer transgressive or regressive deposition and internal structure of a barrier and spit, Lake Bonneville, Stockton, Utah, USA, *in* Bristow, C.S. and Jol, H.M., eds., *GPR in Sediments, Geological Society of London, Special Publication 211*, p. 70-86.
24. Sjogren, D.B., Fisher, T.G., Taylor, L.D., Jol, H.M., and Munro-Stasiuk, M.J., 2002, Incipient tunnel channels: *Quaternary International*, v. 90(1), p. 41-56.
23. Tercier, P., Knight, R., and Jol, H., 2000, A comparison of the correlation structure in GPR images of deltaic and barrier spit depositional environments: *Geophysics*, v. 65(4), p. 1142-1153.
22. Roberts, M.C., Vanderburgh, S., and Jol, H., 2000, Radar facies and geomorphology of the seepage face of the Brookwood aquifer, Fraser Lowland, *in* Ricketts, B.D., ed., *Mapping, Geophysics, and Groundwater Modelling in Aquirfer Delineation, Fraser Lowland and Delta, British Columbia: Geological Survey of Canada Bulletin 552*, p. 95-102.
21. Roberts, M.C., and Jol, H.M., 2000, The sedimentary architecture and geomorphology of a cusped spit: Tsawwassen, British Columbia, *in* Völkel, J. and H.J. Barth, H.J., eds., *Beiträge zur Quartärforschung: Regensburger Geographische Schriften*, v. 33, p. 141-156.
20. Smith, D.G., Meyers, R.A., and Jol, H.M., 1999, Sedimentology of an upper meso tidal (3.7 m) holocene barrier, Willapa Bay, SW Washington, U.S.A.: *Journal of Sedimentary Research, Section B: Stratigraphy and Global Studies*, v. 69(6), p. 1290-1296.
19. Pullan, S.E., Hunter, J.A., Jol, H.M., Roberts, M.C., Burns, R.A., and Harris, J.B. 1998, Seismostratigraphic investigations of the southern Fraser River delta, *in* Clague, J.J., Luternauer, J.L., and Mosher, D.C., eds., *Geology and Natural Hazards of the Fraser River Delta, British Columbia: Geological Survey of Canada, Bulletin 525*, p. 91-122.

18. Jol, H.M., Parry, D., and Smith, D.G., 1998, Ground penetrating radar: applications in sand and gravel aggregate exploration, *in* Bobrowsky, P.T., ed., *Aggregate Resources: A Global Perspective*: A.A. Balkema Publishers, p. 295-306.
17. Smith, D.G., and Jol, H.M., 1997, Ground penetrating radar investigation of the Peyto Delta: *Sedimentary Geology*, 113, p. 195-209.
16. Roberts, M.C., Bravard, J.P., and Jol, H.M., 1997, Radar facies of an avulsed channel of the Rhone river: Marais des Avenieres, near Aoste, France: *Journal of Quaternary Science*, v. 12(1), p. 35-42.
15. Jol, H.M., Smith, D.G., Meyers, R.A., and Lawton, D.C., 1996, Ground penetrating radar: high resolution stratigraphic analysis of coastal and fluvial environments, *in* Pacht, J.A., Sheriff, R.E., and Perkins, B.F., eds., *Stratigraphic Analysis using Advanced Geophysical, Wireline and Borehole Technology for Petroleum Exploration and Production: Gulf Coast Section Society of Economic Paleontologists and Mineralogists Foundation 17th Annual Research Conference*, p. 153-163.
14. Jol, H.M., Smith, D.G., and Meyers, R.A., 1996, Digital ground penetrating radar (GPR): An improved and very effective geophysical tool for studying modern coastal barriers (examples for the Atlantic, Gulf and Pacific coasts, U.S.A.): *Journal of Coastal Research*, v. 12(4), p. 960-968.
13. Fisher, S.C., Stewart, R.R., and Jol, H.M., 1996, Ground penetrating radar (GPR) data enhancement using seismic techniques: *Journal of Environmental and Engineering Geophysics*, v. 1(2), p. 89-96.
12. Meyers, R., Smith, D.G., Jol, H.M., and Peterson, C.R., 1996, Evidence for eight great earthquake-subsidence events detected with ground-penetrating radar, Willapa barrier, Washington: *Geological Society of America, Geology*, v. 24, p. 99-102.
11. Jol, H.M., and Smith, D.G., 1995, Ground penetrating radar of peatlands for oil field pipelines in Canada. *Journal of Applied Geophysics*, v. 34, p. 109-123.
10. Smith, D.G., and Jol, H.M., 1995, Wasatch Fault (Utah), detected and displacement characterized by ground penetrating radar: *Bulletin of the Association of Engineering Geologists*, v. 1, p. 489-496.
9. Jol, H.M., 1995, Ground penetrating radar antennae frequencies and transmitter powers compared for penetration depth, resolution and reflection continuity: *Geophysical Prospecting*, v. 43, p. 693-709.
8. Fisher, T.G., Jol, H.M., and Smith, D.G. 1995, Catastrophic flood deposits (Aggregate) examined with ground penetrating radar, N.E. Alberta, Canada: *Canadian Geotechnical Journal*, v. 32, p. 871-879.
7. Smith, D.G., and Jol, H.M. 1995, Ground penetrating radar: antennae frequencies and maximum probable depths of penetration in Quaternary sediments. *Journal of Applied Geophysics*, v. 33, p. 93-100.
6. Jol, H.M., and Roberts, M.C. 1992, The seismic facies of a tidally influenced Holocene Delta: Boundary Bay, Fraser River delta, B.C.: *Sedimentary Geology*, v. 77, p. 173-184.
5. Jol, H.M., and Smith, D.G. 1992, Geometry and structure of deltas in large lakes: a ground penetrating radar overview, *in* Hänninen, P., and Autio, S., eds., *Fourth International Conference on Ground Penetrating Radar*, June 8-13, Rovaniemi, Finland: Geological Survey of Finland, Special Paper 16, p. 159-168.
4. Smith, D.G., and Jol, H.M. 1992, Ground penetrating radar investigation of a Lake Bonneville delta, Provo level, Brigham City, Utah: *Geological Society of America, Geology*, v. 20, p. 1083-1086.
3. Smith, D.G., and Jol, H.M. 1992, GPR results used to infer depositional processes of coastal spits in large lakes, *in* Hänninen, P., and Autio, S., eds., *Fourth International Conference on Ground Penetrating Radar*, June 8-13, Rovaniemi, Finland: Geological Survey of Finland, Special Paper 16, p. 169-177.

2. Jol, H.M., and Smith, D.G., 1991, Ground penetrating radar of northern lacustrine deltas. *Canadian Journal of Earth Sciences*, v. 28, p. 1939-1947.

1. Jol, H.M., and Roberts, M.C., 1988, The seismic facies of a delta onlapping an offshore island: Fraser River Delta, British Columbia, *in* James, D.P., and Leckie, D.A., eds., *Sequences, Stratigraphy, Sedimentology: Surface and Subsurface*: Canadian Society of Petroleum Geologists, Memoir 15, p. 137 - 142.

Books

Jol, H.M., ed., in press (expected 2009), *Ground penetrating radar (GPR) theory and applications*: Elsevier.

Baker, G.S., and Jol, H.M., eds., 2007, *Stratigraphic analyses using GPR*: Geological Society of American Special Publication 432, 181 p.

Bristow, C.S., and Jol, H.M., eds., 2003, *Ground penetrating radar in sediments*: Geological Society of London, Special Publication 211, 366 p.

Articles/Abstracts Submitted (+ indicates undergraduate student)

Buynevich, I.V., Jol, H.M., and FitzGerald, D.M., (accepted), Coastal environments. *In*: *Ground penetrating radar (GPR) theory and applications*, Jol, H.M. (ed), Elsevier .

Comas, X., Slater, L., Reeve, A., and Jol, H.M. (submitted), Non-invasive facies characterization of a well-preserved beaded esker system and inferred rate of ice retreat at Caribou Bog from ground penetrating radar: *Geology*.

Dickson, M.E., Bristow, C.S., Hicks, D.M., and Jol, H.M.. (submitted), Evaluating the volume of thin mixed sand and gravel beaches on rapidly eroding shorelines. 31st International Conference on Coastal Engineering, Hamburg, Germany, August 31 – September 5, 2008.

Dickson, M.E., Bristow, C.S., Hicks, D.M., Jol, H.M., Stapleton, J., and Todd, D. (in review), Beach volume on an eroding sand-gravel coast determined using ground penetrating radar: *Marine Geology*.

Jol, H.M., Freund, R.A., and Reeder, P., eds., (in review), *Cave of Letters Expedition 1999 – 2002*: Brill.

Kettridge, N., Comas, X., Baird, A., Slater, L., Strack, M., Thompson, D., Jol, H., and Binley, A. (in review). Ecohydrologically-important subsurface structures in peatlands are revealed by ground-penetrating radar and complex conductivity surveys: *Journal of Geophysical Research Biogeosciences*.

Loope, H.M., Loope, W.L., Goble, R.J., Fisher, T.G., and Jol, H.M., (in review), Early Holocene eolian dune building linked to stepped-lowering of glacial Lake Minong, eastern Upper Michigan, USA: *Geomorphology*.

Peterson, C.D., Jol, H.M., Vanderburgh, S., Phipps, J.B., and Gelfenbaum, G., (in review), High-resolution dating of Late-Holocene shoreface progradation in the Columbia River Littoral cell, USA: regional correlation of coseismic retreat events: *Marine Geology*.

Peterson, C.D., Vanderburgh, S., Roberts, M.C., Jol, H.M., Phipps, J., and Twichell, D. (in review), Composition and age structure of shoreface deposits under barriers and beach plains of the Columbia River littoral cell, USA: *Marine Geology*.

Articles

12. Slater, L., Comas, X., Reervers, A., and Jol, H., 2007, Surveying hydrology, ecology, and climate effects of Northern Peatlands - Peatlands geophysics workshop: EOS, Transactions of the American Geophysical Union, v. 88(42), p. 428.
11. Reeder, P., Jol, H., Bauman, P., and Freund, R., 2004, Multidisciplinary research at the Cave of Letters, Israel: a melding of physical and social sciences: International Transdisciplinary Conference on Development and Conservation of Karst Regions, Hanoi, Vietnam, September 13-18.
10. Jol, H.M., 2003, Ground penetrating radar (GPR) Section. In: Coastal evolution, dynamic shoreline processes, and beach management controversies of the Columbia River Littoral Cell, Southwest Washington and Northern Oregon: A Field Guide Geological Society of America 2003 Annual Meeting, Seattle Washington, Field Trip #6 October 30 – November 1, p.52-63.
9. Young, R.A., and Jol, H.M., 2003, An introduction – ground penetrating radar in unconsolidated and consolidated sediments: *The Leading Edge*, v. 22(9), p. 864.
8. Jol, H.M., 2003, Ground penetrating radar (GPR) Section. In: Holocene coastal processes in the Columbia River Cell: A Field Guide for the Northwest Cell of the Friends of the Pleistocene Field Conference, Pacific County, WA and Clatsop County, OR, Sept. 26-28, p.177-189.
7. Bristow, C.S. and Jol, H.M., 2003, An introduction to ground penetrating radar (GPR) in sediments, *in* Bristow, C.S. and Jol, H.M., eds., *GPR in Sediments: Geological Society of London, Special Publication 211*, p. 1-7.
6. Jol, H.M., 2002, Stop #5 Grand Sable Lake East – Ground Penetrating Radar (GPR). *in* Deglaciation and Holocene landscape evolution in Eastern Upper Michigan. A Field Guide for the 48th Midwest Friends of the Pleistocene Field Conference, Grand Marais and Munising, MI, May 31 – June 2, p. 27 – 38.
5. Loope, W.L., Fisher, T.G., Jol, H.M., Anderton, J.B., and Blewett, W.L., 2002, Holocene history of Grand Sable Lake near Grand Marais, MI, *in* Deglaciation and Holocene landscape evolution in Eastern Upper Michigan: A Field Guide for the 48th Midwest Friends of the Pleistocene Field Conference, Grand Marais and Munising, MI, May 31 – June 2.
4. Phipps, J., Jol, H.M., Peterson, C.D., and Vanderburgh, S., 2001, Sand dune reactivation and subduction zone earthquakes in the Grayland area: *Washington Geology*, v. 28(3), p. 31-33.
3. Knight, R. Tercier, P., and Jol, H., 1997, The role of ground penetrating radar and geostatistics in reservoir description: *The Leading Edge*, v. 16(11), p. 1576-1582 and *front cover*.
2. Lawton, D.C., and Jol, H.M., 1994, Ground penetrating radar investigation of the Canada Creosote site, Calgary: *Canadian Society of Exploration Geophysicists, Recorder*, v. 19(4), p. 13-18.
1. Jol, H.M., and Smith, D.G., 1992, Ground penetrating radar: recent results: *Canadian Society of Exploration Geophysicists, Recorder*, v. 17(10), p. 15-20 and *front cover*.

Reviewed Papers for Conference Proceedings/Conference Presentations

36. Bristow, C.S., Dickson, M., and Jol, H.M., 2008, Ground penetrating radar (GPR) surveys of gravel barrier beaches, Waitaki Coast, South Island, New Zealand: Proceedings of the Twelfth International Conference on Ground Penetrating Radar (GPR 2008), June 16 - 19, The University of Birmingham, Birmingham, UK, Papers on CD-ROM.
35. Bristow, C.S., Jol, H.M., Augustinus, P., and Wallis, I., 2008, GPR reveals the internal structure of reversing dunes in the McMurdo Dry Valleys of Antarctica: Proceedings of the Twelfth International Conference on Ground

Penetrating Radar (GPR 2008), June 16 - 19, The University of Birmingham, Birmingham, UK, Papers on CD-ROM.

34. Reeder, P., and Jol, H., 2006, Water resource utilization at the Qumran Archaeological site Israel: 29th Annual Applied Geography Conference, October 11 – 14, Tampa, FL, Papers of the Applied Geography Conference, v. 29, p. 224-234.
33. Bode, J.A., Jol, H.M., Reeder, P., Freund, R.A., Bauman, P., and Nahas, C., 2006, GPR investigation of the Nuestra Señora de la Blanca church site, Burgos, Spain: Preliminary Results: Proceedings of the Eleventh International Conference on Ground Penetrating Radar (GPR 2006), June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
32. Bode, J.A., and Jol, H.M., 2006, GPR investigation of Hapuna Beach, Hawaii: coastal and fluvial deposits: Proceedings of the Eleventh International Conference on Ground Penetrating Radar (GPR 2006), June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
31. Jol, H.M., Grote, K.R., Smith, D.G., and Smith, N.D., 2006, Investigation of data quality problems in portions of the William River Delta, Saskatchewan, Canada: Proceedings of the Eleventh International Conference on Ground Penetrating Radar (GPR 2006), June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
30. Jol, H.M., Bauman, P., and Bahat, D., 2006, Looking into the Western Wall, Jerusalem, Israel: Proceedings of the Eleventh International Conference on Ground Penetrating Radar (GPR 2006), June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
29. Jol, H.M., and Peterson, C.D., 2006, Imaging earthquake scarps and tsunami deposits in the Pacific Northwest, USA: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19th Annual Meeting, Seattle, Washington, April 2-6, Papers on CD-ROM, p. 217 – 229.
28. Jol, H.M., Bode, J.A., Freund, R.A., Darawsha, M., Bauman, P.D., Nahas, C., Reeder, P., and Savage, C., 2006, Nazareth excavations project: a GPR perspective: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19th Annual Meeting, Seattle, Washington, April 2-6, Papers on CD-ROM, p. 1407 – 1413.
27. Nahas, C., Bauman, P., Jol, H., Reeder, P., and Freund, R.A., 2006, Geophysical investigations at coastal archaeological sites in Israel: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19th Annual Meeting, Seattle, Washington, April 2-6, Papers on CD-ROM, p. 1397 – 1406.
26. Jol, H.M., Goodsell, B., Nobes, D.C., Finnemore, M., Cussins, T., de Passille, B., and Tealby, J., 2004, Preliminary results from high frequency GPR surveys and a 3D grid: Davis Snowfield, Franz Josef Glacier, New Zealand, *in* Slob, E., Yarovoy, A., and Rhebergen, J., eds., Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.): June 21 - 24, Delft University of Technology, Delft, The Netherlands, v. 2, p. 773-776.
25. Jol, H.M., Deshusses, M.A., and Gostomski, P., 2004, Initial experiments on the application of ground penetrating radar to troubleshoot biofilters for air pollution control, *in* Slob, E., Yarovoy, A., and Rhebergen, J., eds., Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.): June 21 - 24, Delft University of Technology, Delft, The Netherlands, v. 1, p. 423-426.
24. Jol, H.M., and Albrecht, A., 2004, Searching for submerged lumber with ground penetrating radar: Rib Lake, Wisconsin, USA, *in* Slob, E., Yarovoy, A., and Rhebergen, J., eds., Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.): June 21 - 24, Delft University of Technology, Delft, The Netherlands, v. 2, p. 601-604.

23. Jol, H.M., Stock, E., Peterson, C., and Greenaway, C., 2004, Preliminary results from GPR stratigraphic studies on Fraser Island, Australia, *in* Slob E., Yarovoy, A., and Rhebergen, J., eds., Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.): June 21 - 24, Delft University of Technology, Delft, The Netherlands, v. 2, p. 543-546.
22. Nobes, D.C., Rother, H., and Jol, H.M., 2004, Radar "lensing" by a small river, *in* Slob, E., Yarovoy, A., and Rhebergen, J., eds., Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.): June 21 - 24, Delft University of Technology, Delft, The Netherlands, v. 2, p. 539-542.
21. Treague, J.J., Jol, H.M., and Peterson, C.D., 2004, A ground penetrating radar investigation of an 1805 Lewis and Clark site, Oregon, USA, *in* Slob, E., Yarovoy, A., and Rhebergen, J., eds., Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.): June 21 - 24, Delft University of Technology, Delft, The Netherlands, v. 2, p. 471-474.
20. Moore, L.J., Jol, H.M., Kaminsky, G.M., and Kruse, S., 2003, Severe winter storm effects revealed in stratigraphy of prograding coastal barrier, Southwest Washington, USA: Proceedings of the 6th International Conference on Coastal Sediments 2003. May 18-23, CD-ROM. Published by World Scientific Publishing Corp and East Meets West Productions, Inc., Corpus Christi, TX, USA, ISBN 981-238-422-7.
19. Jol, H.M., Broshi, M., Eshel, H., Freund, R.A., Shroder, Jr., J.F., Reeder, P., and Dubay, R., 2002, GPR investigations at Qumran, Israel: site of the Dead Sea Scrolls Discovery, *in* Koppenjan, S.K., and Lee, H., eds., Ninth International Conference on Ground Penetrating Radar: April 29 – May 2, Santa Barbara, CA, Proceedings of SPIE (The International Society for Optical Engineering), v. 4758, p. 91-95.
18. Jol, H.M., DeChaine, R.J., and Eisenman, R., 2002, Archaeological GPR investigations at Rennes-Le-Château, France, *in* Koppenjan, S.K., and Lee, H., eds., Ninth International Conference on Ground Penetrating Radar: April 29 – May 2, Santa Barbara, CA, Proceedings of SPIE (The International Society for Optical Engineering), v. 4758, p. 125 – 129.
17. Kruse, S.E., and Jol, H.M., 2002, Amplitude and waveform analysis of repetitive GPR reflections: a Lake Bonneville Delta, Utah, *in* Koppenjan, S.K., and Lee, H., eds., Ninth International Conference on Ground Penetrating Radar: April 29 – May 2, Santa Barbara, CA, Proceedings of SPIE (The International Society for Optical Engineering), v. 4758, p. 285-290.
16. Jol, H.M., ⁺Junck, M.B., and Kaminsky, G., 2000, High resolution ground penetrating radar imaging (225 - 900 MHz) of geomorphic and geologic settings: examples from Utah, Washington, and Wisconsin, *in* Noon, D.A., Stickley, G.F., and Longstaff, D., eds., Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000): May 23-26, Gold Coast, Australia, SPIE v. 4084, p. 69-74.
15. Jol, H.M., Schroder, J.F., Reeder, P., and Freund, R.A., 2000, Return to the Cave of Letters (Israel): a ground penetrating radar archaeological expedition, *in* Noon, D.A., Stickley, G.F., and Longstaff, D., eds., Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000): May 23-26, Gold Coast, Australia, SPIE v. 4084, p. 882-886.
14. ⁺Junck, M.B., and Jol, H.M., 2000, 3-Dimensional investigation of geomorphic environments using ground penetrating radar, *in* Noon, D.A., Stickley, G.F., and Longstaff, D., eds., Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000): May 23-26, Gold Coast, Australia, SPIE v. 4084, p. 314 - 318.
13. ⁺Kloehn, N.B., ⁺Junck, M.B., Jol, H.M., Running, G.L., Greek, D., and Caldwell, K., 2000, Ground penetrating radar investigation of the West Prairie Mound Group, central Wisconsin, U.S.A.: are they burial mounds or natural landforms?, *in* Noon, D.A., Stickley, G.F., and Longstaff, D., eds., Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000): May 23-26, Gold Coast, Australia, SPIE v. 4084, p. 590-595.

12. Peterson, C.D., Gelfenbaum, G.R., Jol, H.M., Phipps, J.B., Reckendorf, F., Twichell, D.C., Vanderburg, S., and Woxel, L.K., 1999, Great earthquakes, high wave energy, and abundant sand supply: the battle for supremacy in the coastal evolution of the Columbia River littoral cell: Coastal Sediments'99, Proceedings of the 4th International Conference on Coastal Engineering and Coastal Sediment Processes, American Society of Civil Engineers, June 20-24, Long Island, NY, p. 1676-1691.
11. Kaminsky, G.M., Gelfenbaum, G.R., Buijsman, M. Ruggiero, P, Peterson, C.D., Jol, H.M., and Gibbs, A., 1999, Synthesizing geological observations and process-response data for modeling coastal change at a management scale: Coastal Sediments'99, Proceedings of the 4th International Conference on Coastal Engineering and Coastal Sediment Processes, American Society of Civil Engineers, June 20-24, Long Island, NY, p. 1708 - 1723.
10. Jol, H.M., Peterson, C.D., Vanderburgh, S., and Phipps, J. 1998, GPR as a regional geomorphic tool: shoreline accretion/erosion along the Columbia river littoral cell: Proceedings of the Seventh International Conference on Ground Penetrating Radar (GPR'98), May 27-30, University of Kansas, Lawrence, KS, USA, v. 1, p. 257-262.
9. Jol, H.M., Vanderburgh, S., and Havholm K.G., 1998, GPR studies of coastal aeolian (foredune and crescentic) environments: examples from Oregon and North Carolina, U.S.A. Proceedings of the Seventh International Conference on Ground Penetrating Radar (GPR'98), May 27-30, University of Kansas, Lawrence, KS, USA, v. 2, p. 681-686.
8. Smith, D.G., Meyers, R.A., Simpson, C.J., Jol, H.M., and Currey, D.R. 1998, Depositional sequence and style inferred from radar stratigraphy, Lake Bonneville Bar and Spits, Stockton, Utah: Proceedings of the Seventh International Conference on Ground Penetrating Radar (GPR'98), May 27-30, University of Kansas, Lawrence, KS, USA, v. 1, p. 189.
7. Jol, H.M., Smith, D.G., and Meyers, R.A. 1996, Three dimensional GPR imaging: of a fan-foreset delta: an example from Brigham City, Utah, U.S.A.: Proceedings of the Sixth International Conference on Ground Penetrating Radar (GPR'96), September 30 - October 3, Sendai, Japan, p. 33-37.
6. Jol, H.M., Young, R., Fisher, T.G., Smith, D.G., and Meyers, R.A. 1996, Ground penetrating radar of eskers, kame terraces, and moraines: Alberta and Saskatchewan, Canada: Proceedings of the Sixth International Conference on Ground Penetrating Radar (GPR'96), September 30 - October 3, Sendai, Japan, p. 439-443.
5. Jol, H.M. Smith, D.G., and Meyers, R.A. 1994, Ground penetrating radar of lakeshore spits in northwestern Saskatchewan, Canada: variable internal structure and inferred depositional process, *in* Proceeding of the Fifth International Conference on Ground Penetrating Radar, Kitchener, Ontario, June 12-16, 2, p. 817-830.
4. Jol, H.M., Meyers, R.A., Lawton, D.C., and Smith, D.G. 1994, A detailed ground penetrating radar investigation of a coastal barrier spit, Long Beach, Washington, U.S.A., *in* Bell, R.S., and Lepper, C.M., eds., Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), Boston, Massachusetts, March 27-31, 1994, v. 1, p. 107-127.
3. Lawton, D.C., Jol, H.M., and Smith, D.G. 1994, Ground penetrating radar surveys for near-surface characterization and contaminant mapping: example from the Canada Creosote site, Calgary, *in* Proceeding of the Fifth International Conference on Ground Penetrating Radar, Kitchener, Ontario, June 12-16, v. 3, p. 1275-1282.
2. Meyers, R.A., Smith, D.G., Jol, H.M., and Hay, M.B. 1994, Internal structure of Pacific Coast barrier spits using ground penetrating radar, *in* Proceeding of the Fifth International Conference on Ground Penetrating Radar, Kitchener, Ontario, June 12-16, v. 2, p. 831-842.
1. Fisher, S.C., Stewart, R.R., and Jol, H.M. 1994, Processing ground penetrating radar, *in* Proceeding of the Fifth International Conference on Ground Penetrating Radar, Kitchener, Ontario, June 12-16, v. 2, p. 661-676.

Conference Presentations/Expanded Abstracts/Abstracts/Illustrated Papers

(⁺ indicates undergraduate student)

179. Comas, X., Slater, L., Reeve, A., Nolan, J., and Jol, H., 2008. Pool patterning in a northern peatland using near surface geophysics: the role of glacial deposition. American Geophysical Union, Spring Meeting, Fort Lauderdale, FL, May, Eos Transactions, American Geophysical Union, Joint Meeting Supplement, v. 89(23), Abstract NS24A-04.
178. Bristow, C., Jol, H., Augustinus, P., and Wallis, I., 2008. GPR surveys of sand dunes in Antarctica as analogs for dunes on Mars. Planetary Dunes Workshop: A Record of Climate Change, Alamogordo, New Mexico, April 29 – May 2, 2008. Program and Abstracts on CD-ROM.
177. Bristow, C., and Jol, H., 2008. GPR surveys of the Jurassic Navajo Sandstones: a potential analogue to the Burns Formation, Meridiani Planum, Mars. Planetary Dunes Workshop: A Record of Climate Change, Alamogordo, New Mexico, April 29 – May 2, Program and Abstracts on CD-ROM.
176. Loope, W.L., Jol, H.M., Fisher, T.G., Goble, R.J., Loope, H.M., and Legg, R.J., 2008. Use of OSL, GPR and GIS to constrain hypothetical behavior of Lake Minong's water plane and paths of meltwater discharge across Eastern Upper Michigan. Geological Society of America North-Central Section, 42nd Annual Meeting, April 24-25, Evansville, IN, Abstracts with Program v. 40(5), p. 77.
175. ⁺Dryer, W.P., ⁺McDonald, J.M., and Jol, H.M., 2008. Ground penetrating radar imaging subaqueous deposits within Half Moon Lake, Wisconsin. Association of American Geographers, 104th (2008) Annual Meeting, Boston, MA, April 15-19, Program and Abstracts on CD-ROM, p. 186.
174. Jol, H.M., Buynevich, I.V., Fitzgerald, D.M., and Smith, D.G., 2008. Ground penetrating radar imaging of coastal environments along the Atlantic Coast, USA: the good, the bad and the ugly. Association of American Geographers, 104th (2008) Annual Meeting, Boston, MA, April 15-19, Program and Abstracts on CD-ROM, p.344.
173. ⁺McDonald, J.M., Jol, H.M., Reeder, P., Freund, R., and Emmanuel, A., 2008. Ground penetrating radar aided archaeological survey on Har Karkom (Mt. Sinai?), Israel. Association of American Geographers, 104th (2008) Annual Meeting, Boston, MA, April 15-19, Program and Abstracts on CD-ROM, p. 458.
172. ⁺Larson, P.H., ⁺Dryer, W.P., ⁺McDonald, J., ⁺Baker, A., ⁺Verbout, S.N., Running, G., Faulkner, D., and Jol, H.M., 2008. Geomorphology of cliff-top parabolic dunes within the Lower Chippewa River Valley, Upper Putnam Park, Eau Claire, Wisconsin. Association of American Geographers, 104th (2008) Annual Meeting, Boston, MA, April 15-19, Program and Abstracts on CD-ROM, p. 394.
171. ⁺Olson, L.M., ⁺Larson, P., Hupy, J., Jol, H., Faulkner, D., and Running, G., 2008. Late Quaternary eolian dunes and fluvial terraces of the Lower Chippewa River Valley. Association of American Geographers, 104th (2008) Annual Meeting, Boston, MA, April 15-19, Program and Abstracts on CD-ROM, p. 523.
170. Jol, H.M., Bauman, P., and Bahat, D., 2007. Ground penetrating radar investigations at the Western Wall, Israel. 9th Annual Batchelder Conference for Biblical Archaeology, University of Nebraska-Omaha, Omaha, NE, November 8-10, Program, p. 3.
169. Reeder, P., and Jol, H.M., 2007. The Aqueduct System and Latrine Site at Qumran. 9th Annual Batchelder Conference for Biblical Archaeology, University of Nebraska-Omaha, Omaha, NE, November 8-10, Program, p. 2.
168. Jol, H.M., McDonald, J., Reeder, P., and Bauman, P., 2007. Har Karkom, Israel – A proposed site for Mt. Sinai: Recent geophysical and mapping research. 9th Annual Batchelder Conference for Biblical Archaeology, University of Nebraska-Omaha, Omaha, NE, November 8-10, Program, p. 2.

167. Jol, H.M., Bristow, C.S., Augustinus, P., and Wallis, I., 2007. The 'whaleback' dunes of Victoria Valley, Antarctica: a ground penetrating radar perspective. Geological Society of America Annual Meeting, Denver, CO, October 28-31, Abstracts with Programs, v. 39(6), p. 143.
166. Jol, H.M., Comas, X., Slater, L., Fisher, T., and Reeve, A. 2007. Ground penetrating radar: a noninvasive, high resolution method for the development of facies models in eskers. Geological Society of America Annual Meeting, Denver, CO, October 28-31, Abstracts with Programs, v. 39(6), p. 117.
165. Larson, P. Dryer, W.P., McDonald, J., Pascal, E., Jol, H.M., Craig, M., Warnke, D.A., and Teitler, L., 2007. High resolution GPR investigation of a Lake Manly shoreline deposit, Death Valley, California. Geological Society of America Annual Meeting, Denver, CO, October 28-31, Abstracts with Programs, v. 39(6), p. 561.
164. Loope, W.L., Goble, R.J., Jol, H.M., Fisher, T.G., Loope, H.M., Wsocki, D.A., and Legg, R.J., 2007. Optical dating fo the demise of Lake Minong reveals an early Holocene connection with Lake Chippew across Eastern Upper Michigan USA. Geological Society of America Annual Meeting, Denver, CO, October 28-31, Abstracts with Programs, v. 39(6), p. 81.
163. Johnson, H.J., Jol, H.M., and Peterson, C.D., 2007. Imaging tsunami deposits in Oregon (USA) using ground penetrating radar. Association of American Geographers, 103rd (2007) Annual Meeting, San Francisco, CA, April 17-21, 2007, Annual Meeting Abstracts (CD-ROM), p.316.
162. Neuman, S.K., and Jol, H.M., 2007. Three dimensional visualization and analysis of an eolian dune. Association of American Geographers, 103rd (2007) Annual Meeting, San Francisco, CA, April 17-21, Annual Meeting Abstracts (CD-ROM), p.464.
161. Pascal, E., Jol, H.M., Freund, R.A., Reeder, R.A., and Bauman, P.D., 2007. GPR investigation of archaeological sites: preliminary results from Tel Yavne and Appollonia, Israel. Association of American Geographers, 103rd (2007) Annual Meeting, San Francisco, CA, April 17-21, Annual Meeting Abstracts (CD-ROM), p.488.
160. Speer, D., Larson, P.H., Jol, H.M., Faulkner, D.J., and Running IV, G.L., 2007. Post-glacial history of the Lower Chipewa river valley, western Wisconsin: a progress report. Association of American Geographers, 103rd (2007) Annual Meeting, San Francisco, CA, April 17-21, Annual Meeting Abstracts (CD-ROM), p.601.
159. Peterson, C., Cruikshank, K., Jol, H., 2006. Very fine grained-, very coarse grained-, and internally stratified-tsunami deposits: geologic constraints on flow conditions. The International Workshop on Fundamentals of Coastal Effects of Tsunamis, Hilo, Hawaii, December 26-28, Abstract on web.
158. Buynevich, I.V. and Jol, H.M., 2006. Lithological anomalies in coastal dunes: GPR signal response and paleoenvironmental significance. Eos Transactions, American Geophysical Union, Fall Meeting Supplement, v. 87(52), Abstract NS24A-06.
157. Johnson, H.J., Jol, H.M., Peterson, C.D., Bode, J. and Fischer, M., 2006. GPR Imaging of the Subsurface in 3D: Exampels fro a coastal sites (USA) and an archaeological site (Israel). Geological Society of America Annual Meeting, Philadelphia, PA, October 22-25, Abstracts with Programs, v. 38(7), p. 60.
156. Jol, H.M., Faulkner, D., Albrecht, A., Sternberg, C., and Trombly, N. 2006. Bottom and sub-bottom GPR imaging within shallow Wisconsin lakes: benefits and problems. Geological Society of America Annual Meeting, Philadelphia, PA, October 22-25, Abstracts with Programs, v. 38(7), p. 14.
155. Berry, J., Jol, H., Leisz, G., Macaul, S., Pattee, D., Raleigh, D. and Ryberg, R., 2006. Does shared power in the classroom affect student learning? Third Annual Teaching and Learning Sypmposium, Eau Claire, WI, August 28, Abstracts, p. 6.
154. Peterson, C .D., Jol, H.M., Yeh, H., 2006. Evidence of combined entrainment and suspension deposition as recorded in tsunami sand sheets from the recent SE India tsunami and the 1700AD Cascadia tsunami. 100th Anniversary

Earthquake Conference, Seismological Society of America Annual Meeting, San Francisco, CA, April 18-22, Seismological Research Letters, v. 77(2), p. 174.

153. Loope, W.L., Jol, H.M., Goble, R.J. and Fisher, T.G., 2006. Geomorphic, sedimentological and mineralogical signatures of early Holocene outbursts of Glacial Lake Agassize in eastern Upper Michigan. Geological Society of America North-Central Section, 40th Annual Meeting, April 20-21, Abstract with Program v. 38(4) p. 58.
152. Nobes, D.C., Bateman, L., Butland, C., Flintoft, M., Gaiger, F., Lea, J., Wilkinson, S., Jol, H.M., and Geer, M.A., 2006. From Kaikoura to Kaitorete: Non-invasive geophysical mapping of Mauri burial sites. Invited Poster – International Workshop on Criminal and Environmental Soil Forensics, 18th International Symposium on the Forensic Sciences, Perth, Western Australia, April 8-9, Program and Book of Abstracts, p. 21.
151. Jol, H.M., Vanderburgh, S., Smith, D.G., Peterson, C.D., Havholm, K.G., and Phipps, J.B., 2006. Coastal foredune genesis and growth: a ground penetrating radar perspective. Association of American Geographers, 102nd (2006) Annual Meeting, Chicago, IL, March 7-11, Abstracts on CD-ROM, p. 267.
150. ⁺Bode, J.A., Jol, H.M., Bauman, P.D., Nahas, C., Fischer, M., Reeder, P., and Freund, R.A., 2006. GPR and ERT investigation of a coastal archeological site: Yavne Yam, Israel. Association of American Geographers, 102nd (2006) Annual Meeting, Chicago, IL, March 7-11, Abstracts on CD-ROM, p. 66.
149. ⁺Sternberg, C., ⁺Trombly, N.R., Jol, H.M., and Faulkner, D.J., 2006. Geomorphic analysis of historical sedimentation in Half Moon Lake, Eau Claire, WI. Association of American Geographers, 102nd (2006) Annual Meeting, Chicago, IL, March 7-11, Abstracts on CD-ROM, p. 516.
148. ⁺Wong, K.Y., ⁺Bode, J.J., ⁺Daniels, C.L., ⁺Graham, N.L., ⁺Hurd, L.R., ⁺Johnson, S.R., ⁺Kouba, R.V., ⁺Lenon, T.M., ⁺Nier, M.M., ⁺Schwartz, M.J., ⁺Spina, J.H., ⁺Sternberg, C.G., Jol, H.M., and Faulkner, D.J., 2006. Investigation of coastal erosion along Hapuna Beach, Hawaii. Association of American Geographers, 102nd (2006) Annual Meeting, Chicago, IL, March 7-11, Abstracts on CD-ROM, p. 583-584.
147. ⁺Lenon, T.M., ⁺Molnar, M., ⁺Johnson, S.R., Jol, H.M., Loope, W.L., Loope, H.M., Fisher, T.G., 2006. Ground penetrating radar investigations of the Tahquamenon River Basin, Michigan: preliminary results. Association of American Geographers, 102nd (2006) Annual Meeting, Chicago, IL, March 7-11, Abstracts on CD-ROM, p. 316.
146. ⁺Farrell, D., ⁺Henderson, J.R., ⁺Knabel, S.L., ⁺Molnar, M.A., ⁺Nelson, M.C., ⁺Pirkl, D.S., ⁺Strong, J.A., ⁺Suppes, B.J., Faulkner, D.J., and Jol, H.M., 2006. Evidence of an extreme paleoflood in Honokaa Gulch, Hawaii. Association of American Geographers, 102nd (2006) Annual Meeting, Chicago, IL, March 7-11, Abstracts on CD-ROM, p. 170.
145. Moysey, S., Knight, R., Jol, H., Allen-King, R., and Gaylord, D., 2005. Quantification of reflection patterns in ground-penetrating radar data. EOS Transactions American Geophysical Union, 86(52), Fall Meeting Supplement, Abstract U23C-04.
144. Nobes, D.C., Bateman, L., Butland, C., Flintoft, M., Gaiger, F., Lea, J., Wilkinson, S. and Jol, H.M., 2005. From Kaikoura to Kaitorete: Non-invasive geophysical mapping of Mauri burial sites. 50th Geological Society of New Zealand, Annual Conference, Kaikoura, New Zealand, November 28 – December 1, GSNZ Miscellaneous Publication 119A Annual Conference Programme and Abstracts, p. 60.
143. Loope, W.L., Goble, R.J., Jol, H.M., Fisher, T.G., Loope, H.M., and Whitney, G.D., 2005. Lake Minong and the Holocene history of the Tahquamenon River, Northern Michigan, USA. Geological Society of America Annual Meeting, Salt Lake City, UT, October 16-19, Abstracts with Programs, v. 37(7), p. 234.
142. Jol, H.M., 2005. The Mary's Well Site in Nazareth: a GPR overview. The Land and People Conference, Beit Allon Museum, Ginosar, Israel and Shrine of the Book, Israel Museum, Jerusalem, Israel, July 5-11.

141. Reeder, P., and Jol, H.M., 2005. Qumran Update. The Land and People Conference, Beit Allon Museum, Ginosar, Israel and Shrine of the Book, Israel Museum, Jerusalem, Israel, July 5-11.
140. Smith, D.G., Jol, H.M., and Smith, N.D., 2005. Paleo Super Windstorms (> 2000 yr events) interpreted from GPR stratigraphy, William River Wave-Dominated Delta, Lake Athabasca.. Canadian Association of Geographers Annual Meeting, London, Ontario, June 1-4.
139. Jol, H.M., Fisher, T.G., Loope, W.L, Smith, D.G., and Moore, L.J., 2005. GPR studies along the present and past coastlines of the Great Lakes. Geological Society of America, 39th Annual Meeting of the North-Central Section, Minneapolis, MN, May 19-20, Abstracts with Programs, v. 37(5), p. 7.
138. ⁺Treague, J.J., Jol, H.M., Fisher, T.G., Freund, R.A., Reeder, P., Savage, C., and Bauman, P.D., 2005. Three-dimensional subsurface GPR visualization for an archaeological site (Qumran, Israel) and a geomorphic site (Michigan). Geological Society of America, 39th Annual Meeting of the North-Central Section, Minneapolis, MN, May 19-20, Abstracts with Programs, v. 37(5), p. 15.
137. Loope, H.M. Lahners, A.M., Bobak, D., Jol, H.M., Krantz, D.E., Fisher, T.G., and Pierce, W., 2005. Ground penetrating radar investigation of a barrier complex along the eastern shore of Lake Michigan. Geological Society of America, 39th Annual Meeting of the North-Central Section, Minneapolis, MN, May 19-20, Abstracts with Programs, v. 37(5), p. 15.
136. Stierman, D. ⁺Mitchell, B.D., Skudon, B.A., Krantz, D.E., Jol, H.M. and Fisher, T.G., 2005. Geophysical and GIS investigations of the Oak Openings sand ridge in NW Ohio. Geological Society of America, 39th Annual Meeting of the North-Central Section, Minneapolis, MN, May 19-20, Abstracts with Programs, v. 37(5), p. 16.
135. ⁺Bode, J.A. and Jol, H.M., 2005. In search of a missing child: a geophysical investigation of a cemetery. Geological Society of America, 39th Annual Meeting of the North-Central Section, Minneapolis, MN, May 19-20, Abstracts with Programs, v. 37(5), p. 100.
134. Jol, H.M. and Smith, D.G., 2005. Ground penetrating radar of large lake basins or looking inside coastal deposits: a tribute to Donald R. Currey. Association of American Geographers, 101st Annual Meeting, Denver, CO, April 5-9, Abstracts on CD-ROM.
133. Kaufmann, K.E., Kean, W.F. Jr., Jol, H.M., and Mumpy, A.J., 2005. Additional interpretations of archaeological geophysical investigations at a Late Woodland effigy mound site. Society for American Archaeology Conference, Salt Lake City, UT, Denver, CO, March, Abstracts with Programs on CD-ROM.
132. Jol, H.M., Bauman, P.D., Darawsha, M., Freund, R.A., Reeder, P. and Savage, C., 2004. Where Jesus played and bathed? Preliminary results from geophysical surveys at the Cactus Coffee House, Mary's Well Plaza, Nazareth, Israel. 5th Recent Work in Archaeological Geophysics, Environmental and Industrial Geophysics Group, Geological Society, Burlington House, London, UK, December 15-16, Lecture Abstracts, p. 13-14.
131. Smith, D.G., Jol, H.M., and Smith, N.D., 2004. Paleo super windstorms (2000 yr events) interpreted from Holocene Deltaic Stratigraphy. Geological Society of America Annual Meeting, Denver, CO, November 7-10, Abstracts with Programs, v. 36(5), p. 72.
130. Kaufmann, K.E., Kean, W.F. Jr., Jol, H.M., and Mumpy, A.J., 2004. Archaeological geophysical investigations at a Late Woodland effigy mound site, Jefferson County, Wisconsin. Geological Society of America Annual Meeting, Denver, CO, November 7-10, Abstracts with Programs, v. 36(5), p. 214.
129. Loope, W.L., Goble, R.J., Fisher, T.G., Jol, H.M., Loope, H.M., and Regis, R.S., 2004. A dune-building signature of outbursts of Glacial Lake Agassiz across eastern Upper Michigan. Geological Society of America Annual Meeting, Denver, CO, November 7-10, Abstracts with Programs, v. 36(5), p. 248.

128. ⁺Treague, J.J., Jol, H.M., and Peterson, C.D., 2004. A geoarchaeological investigation for an 1805 Lewis and Clark Site, coastal Oregon. Geological Society of America Annual Meeting, Denver, CO, November 7-10, Abstracts with Programs, v. 36(5), p. 240.
127. Jol, H.M., 2004. Where Jesus played and bathed?: Results from a ground penetrating radar investigation at the Cactus Coffee House, Mary's Well Plaza, Nazareth. 6th Annual Batchelder Biblical Archaeological Conference, University of Nebraska at Omaha, Omaha, NE, October 28-30, p. 2.
126. ⁺Frenz, B., Jol, H.M., Freund, R., Bauman, P., Parker, D., Reeder, P., Goren, A., Selavan, B. and Willner, D., 2004. Searching for the Ancient Jewish City of Yavne? – A geophysical survey of Tel Yavne, Israel. Association of American Geographers, 100th Annual Meeting, Philadelphia, PA, March 14-19, Abstracts on CD-ROM.
125. ⁺Guse, B.L., ⁺Hicks, S.N., Jol, H.M. and Peterson, C.D., 2004. Locating a Native village visited by Lewis and Clark:: literature review and subsurface investigations. Association of American Geographers, 100th Annual Meeting, Philadelphia, PA, March 14-19, Abstracts on CD-ROM.
124. ⁺Treague, J.J., ⁺Thorn, R.A., Jol, H.M. and Peterson, C.D., 2004. A ground penetrating radar investigation of an 1805 Lewis and Clark Site, Oregon. Association of American Geographers, 100th Annual Meeting, Philadelphia, PA, March 14-19, Abstracts on CD-ROM.
123. ⁺Zahler, R.J., ⁺Stevens, J.D., Jol, H.M. and Peterson, C.D., 2004. Locating a mapped Lewis and Clark Native encampment, Oregon: a GIS and GPS database. Association of American Geographers, 100th Annual Meeting, Philadelphia, PA, March 14-19, Abstracts on CD-ROM.
122. Peterson, C.D., Schlichting, R.B., Jol, H.M., and Vanderburgh, S., 2003. Variable coastal response (subsidence, tsunami, beach retreat, and bay deposition) following each of the last five Cascadia earthquake events, S.W. Washington, USA. Geological Society of America Annual Meeting, Seattle, WA, November 2-5, Abstracts with Programs, v. 35(6), p. 284.
121. Smith, D.G. and Jol, H.M., 2003. GPR detection of mud diapers and push-up benches at the base of wave dominated deltas. Geological Society of America Annual Meeting, Seattle, WA, November 2-5, Abstracts with Programs, v. 35(6), p. 220.
120. Jol, H.M., 2003. 3-D ground penetrating radar visualization of an earthquake induced scarp. Geological Society of America Annual Meeting, Seattle, WA, November 2-5, Abstracts with Programs, v. 35(6), p. 219.
119. Peterson, C.D., Jol, H.M., Percy, D., Nielson, E., and Cummings, M.L., 2003. Ground penetrating radar (GPR) profiling of groundwater surface trends in Holocene foredune-ridge strata of the Clatsop beach plain, Oregon, USA. Geological Society of America Annual Meeting, Seattle, WA, November 2-5, Abstracts with Programs, v. 35(6), p. 219.
118. Mumpy, A.J., Kean, W.F., Isbell, J.L. and Jol, H.M., 2003. Sedimentology of a modern braid bar in the Wisconsin River near Spring Green, Wisconsin: analysis using ground penetrating radar. Geological Society of America Annual Meeting, Seattle, WA, November 2-5, Abstracts with Programs, v. 35(6), p. 218.
117. ⁺Frenz, B. and Jol, H.M., 2003. Geophysics and Geography: Archaeological tools at Tel Yavne. Wisconsin Geographical Society, 57th Annual Meeting, Eau Claire, WI, September 19-20, Program and Abstracts, p. 13
116. ⁺DeChaine, R., Jol, H.M., Eisenman, R. and Dubay, R., 2003. Archaeological GPR investigations at Rennes-Le-Chateau (France) utilizing 3-D animation. Wisconsin Geographical Society, 57th Annual Meeting, Eau Claire, WI, September 19-20, Program and Abstracts, p. 12.
115. Jol, H.M., 2003. Ground penetrating radar: secrets of Mary's Well, Nazareth and Qumran. International Conference on Archaeology, History and Technology, Greenberg Center for Judaic Studies, University of Hartford, Hartford, CT, September 7-10.

114. Jol, H.M., 2003. Ground penetrating radar and the archaeology of Yavne: season one. International Conference on Archaeology, History and Technology, Greenberg Center for Judaic Studies, University of Hartford, Hartford, CT, September 7-10.
113. Fisher, T.G., Jol, H.M., Lahners, A.M. and Taylor, L.D. 2003. Evidence for high magnitude flows in tunnel channels, south-central Michigan, USA. XVI INQUA Congress, Reno, NV, July 23-30, Programs with Abstracts, p. 150.
112. Fisher, T.G., Loope, W.L., Jol, H.M. and Pierce, W.C., 2003. Big lake records preserved in little lake's sediment: an example from Silver Lake, Michigan. XVI INQUA Congress, Reno, NV, July 23-30, Program with Abstracts, p. 182.
111. Fisher, T.G., Loop, W.L., Jol, H.M., Pierce, W.C., 2003. Sand percentage in Silver Lake sediment cores: a new proxy for lake level fluctuations in Lake Michigan elevations. International Association of Great Lakes Research 46th Annual Conference & International Lake Environment Committee 10th World Lakes Conference, Chicago, IL, June 22-26, p. 225-226.
110. Mumpy, A.J., Kean, W.F., Isbell, J.L. and Jol, H.M., 2003. Sedimentology of a modern braid bar in the Wisconsin River near Spring Green, Wisconsin: analysis using ground penetrating radar. Geological Society of America, 37th Annual Meeting, North-Central Section, Kansas City, MO, March 24-25, Abstracts with Programs, v. 35(2), p. 55
109. Fisher, T.G., Loope, W.L., Jol, H.M. and Pierce, W.C., 2003. Big lake records preserved in little lake's sediment: an example from Silver Lake, Michigan. Proceedings of the Michigan Academy of Science, Arts and Letters 2003 Annual Meeting, Holland, MI, March 21-22., *The Michigan Academician*, v. 35, p. 67-68.
108. Vanderburgh, S., Moore, L.J., Jol, H.M., Kruse, S. and Kaminsky, G.M., 2003. Annual progradational layers preserved in the beaches of southwest Washington. Association of American Geographers, 99th Annual Meeting, New Orleans, LA, March 4-8, Abstracts on CD-ROM.
107. *DeChaine, R., Jol, H.M., Eisenman, R. and Dubay, R., 2003. Archaeological GPR investigations at Rennes-Le-Chateau (France) utilizing 3-D animation. Association of American Geographers, 99th Annual Meeting, New Orleans, LA, March 4-8, Abstracts on CD-ROM.
106. Passow, R.H., Jol, H.M., Freund, R.A., Savage, C.E., and Reeder, P., 2003. Ground penetrating radar and global positioning system: archaeological aids at Qumran, Israel. Association of American Geographers, 99th Annual Meeting, New Orleans, LA, March 4-8, Abstracts on CD-ROM.
105. Jol, H.M., 2003. Three dimensional GPR visualization of an earthquake induced coastal scarp. Australasian Quaternary Association, Biennial Conference, Westport, New Zealand, February 3-7, p. 29.
104. Bauman, P., Freund, R., Arav, R., Shroder, J., Reeder, P. and Jol, H., 2002. Intrigue, mystery, and geophysics ... Dead Sea archaeology 2001. Canadian Society of Exploration Geophysics Technical Luncheon Talk, December 16, CSEG Recorder.
103. Loope, W.L., Jol, H.M., Anderton, J.B., Fisher, T.G., and Goble, R.J., 2002. Holocene development and partial destruction of a massive barrier along the southeastern shore of Lake Superior. Geological Society of America Annual Meeting, Denver, CO, October 27-30, Abstracts with Programs, v. 34(6), p. 274-275.
102. Smith, D.G., Jol, H.M. and Smith, N.D., 2002. Geomorphology and radar stratigraphy of the wave-influenced William river delta, Lake Athabasca, Canada. Geological Society of America Annual Meeting, Denver, CO, October 27-30, Abstracts with Programs, v. 34(6), p. 483.

101. Jol, H.M., 2002. Preliminary GPR results at Beth Shearim, Beth Shean, Mary's Well (Nazareth), and Yavne. The 4th Annual Batchelder Biblical Archaeology Conference, University of Nebraska at Omaha, October 24-26, Omaha, NE.
100. Jol, H.M., 2002. New areas for excavations at Bethsaida. The 4th Annual Batchelder Biblical Archaeology Conference, University of Nebraska at Omaha, October 24-26, Omaha, NE.
99. Jol, H.M., Freund, R.A., Broshi, M., Eshel, H., Shroder, Jr., J.F., Reeder, P. and Dubay, R., 2002. The GPR of caves and cemeteries: what we can and cannot do. The 4th Annual Batchelder Biblical Archaeology Conference, University of Nebraska at Omaha, October 24-26, Omaha, NE.
98. Jol, H.M., Bristow, C.S. and Havholm, K.G., 2002. GPR stratigraphic investigation of modern and aeolian environments. Society of Exploration Geophysicists, Seventy-second Annual International Meeting and Exposition, October 6-10, Salt Lake City, Utah, Expanded Abstracts of the Technical Program with Authors' Biographies, CD-ROM, pp. 4.
97. Bauman, P., Jol, H., Freund, R., Shroder, J. and Reeder, P., 2002. Archaeological investigations in the Cave of Letters, The Qumran Cemetery, and Bethsaida. Symposium on the Application of Geophysics to Engineering and Environmental Problems, The Annual Meeting for EEGS, February 10-14, Las Vegas, NV.
96. Moore, L.J., Jol, H.M., Vanderburg, S., Kaminsky, G. and Gelfenbaum, G., 2001. Linkages between shoreline progradation and climate, Southwest Washington, USA. EOS, Transactions, American Geophysical Union, Fall Meeting, San Francisco, CA, December 10-14, v. 82(47), p. F654.
95. Jol, H.M. 2001. Cave of Letters: A Ground Penetrating Radar Study. American Schools of Oriental Research, Annual Meeting Abstract Book, Omni Interlocken Resort, Boulder, CO, November 14-17, p. 11.
94. Running IV, G. L., Wiseman, D., Havholm, K.G., Beaudoin, A., Boyd, M., Jol, H. M., and Freeman, A., 2001. Reconstructing landscape evolution and environmental change at temporal and spatial scales relevant to archaeology: a view from the Flacial Lake Hind Basin, Southwestern Manitoba. 34th Annual CHACMOOL Conference, Program and Abstracts, Calgary, AB, November 14-18.
93. Jol, H.M., Peterson, C.D., Vanderburgh, S., Phipps, J., 2001. Ground penetrating radar as a regional geomorphic mapping tool: shoreline accretion/erosion along the Columbia River littoral cell. Geological Society of America Annual Meeting and Exposition Abstracts, Boston, MA, November 1-10, v. 33(6), p. A-339.
92. Vanderburgh, S., Jol, H.M., Peterson, C.D., 2001. Late-Holocene sedimentation in the bays and estuaries of the Columbia River littoral cell, Washington and Oregon, USA. Geological Society of America Annual Meeting and Exposition Abstracts, Boston, MA, November 1-10, v. 33(6), p. A-339
91. Phipps, J.B., Jol, H.M., Vanderburgh, S., Peterson, C.D., 2001. Dunes and earthquakes in coastal SW Washington State. Geological Society of America Annual Meeting and Exposition Abstracts, Boston, MA, November 1-10, v. 33(6), p. A-339.
90. Morton, C.M. and Jol, H.M., 2001. A real-time, geo-archaeological database and search engine for the Cave of Letters, Israel. Geological Society of America Annual Meeting and Exposition Abstracts, Boston, MA, November 1-10, v. 33(6), p. A-126.
89. †Bergstrom, N.D., Havholm, K.G., Jol, H.M., Running, G.L., 2001. Ground penetrating radar investigations of Post-Glacial stratigraphy, Flintstone Hill Site, Southwest Manitoba. GPR in Sediments: Applications and Interpretations International Conference, Geological Society of London and University College of London, London, England, August 20 – 21.

88. Moore, L.J., Jol, H.M., Kaminsky, G., 2001. Exploring linkages between coastal processes and climate variability using ground penetrating radar, Southwest Washington, USA. GPR in Sediments International Conference, Geological Society of London and University College of London, London, England, August 20 – 21.
87. Kruse, S.E. and Jol, H.M., 2001. Examples of GPR waveform modeling and AVO analysis to constrain variations in permittivity and conductivity in sedimentary strata. GPR in Sediments: Applications and Interpretations International Conference, Geological Society of London and University College of London, London, England, August 20 – 21.
86. Jol, H.M. 2001. Ground penetrating radar results in the Cave of Letters, Israel. GPR in Sediments: Applications and Interpretations International Conference, Geological Society of London and University College of London, London, England, August 20 – 21.
85. Jol, H.M., 2001. Ground penetrating radar in the Cave of Letters 2000 Project. Society of Biblical Literature International Conference, Pontifical Gregorian University and Pontifical Biblical Institute, Rome, Italy, July 8-12, p. 14.
84. Shroder, J.F., Jr. and Jol, H.M., 2001. The Bethsaida and El Araj Project: Geology and Geography. Society of Biblical Literature International Meeting, Pontifical Gregorian University and Pontifical Biblical Institute, Rome, Italy, July 8-12, p. 15.
83. Nicholson, B., Jol, H.M., Hamilton, S. and Running, G.L., 2001. Ground truthing ground penetrating radar at the Lowton site. Canadian Archaeological Association and Archaeological Society of Alberta, Annual Meeting, Banff, Alberta, May 9-13, Information Package, Programme and Abstracts, p. 74.
82. Loope, W.L., Anderton, J.B., Fisher, T.G., Jol, H.M., and Blewett, W.L., 2001. Landscape signatures of Late Holocene Lake-Level change along the southeastern shore of Lake Superior. GSA North-Central Section, Normal, Illinois, Aprils 23-24, v. 33(4), p. A-11.
81. Jol, H.M., Shroder Jr., J.F., Reeder, P.P. and Freund, R.A., 2001. Ground penetrating radar studies within the Cave of Letters: Geomorphology and Archaeology. Association of American Geographers, 97th Annual Meeting, New York, New York, February 27 – March 3, Abstracts on CD-ROM.
80. Running IV, G.L., Havholm, K.G., Wiseman, D.J., Nicholson, B., Jol, H.M., Beaudoin, A.B., Hamilton, S., and Boyd, M., 2001. Post-glacial geomorphology, stratigraphy, and paleoenvironmental history at Flint Stone Hill, Oak Lake Sandhills: Southwestern Manitoba. Association of American Geographers, 97th Annual Meeting, New York, New York, February 27 – March 3, Abstracts on CD-ROM, p.
79. Moore, L., Jol, H.M. and Kaminsky, G., 2000. Exploring Correlations Between Shoreline Progradation and Climate Indices, Southwest Washington. EOS, Transactions, American Geophysical Union, Fall Meeting, December 15-19, San Francisco, CA.
78. Shroder, H.F. Jr., Bauman, P., Jol, H., Reeder, P., Webster, J., 2000. Roof-fall geoarchaeology of the Cave of letters, Judean Desert, Israel. Geological Society of America, Annual Meeting and Exposition Abstracts, Reno, NV, November 9-18, v. 32(7), p. A-263.
77. Nicholson, B., Jol, H.M., Hamilton, S. and Running, G.L., 2000. Ground truthing ground penetrating radar at the Lowton site. Joint Midwest Archaeological/Plains Anthropological Conference, St. Paul, MN, November 9-12, Program and Abstracts, p. 83.
76. Jol, H.M., 2000. Ground penetrating radar and Bethsaida, 2000. Biblical Archaeology for the 21st Century: Conference and Reunion. University of Nebraska at Omaha, Omaha, NE, November 9-11, p.3.
75. Jol, H.M., 2000. Ground penetrating radar in the Cave of Letters. Biblical Archaeology for the 21st Century: Conference and Reunion. University of Nebraska at Omaha, Omaha, NE, November 9-11, p.2.

74. [†]Morton, C. and Jol, H.M., 2000. Real time GIS data acquisition in the Cave of Letters. Biblical Archaeology for the 21st Century: Conference and Reunion. University of Nebraska at Omaha, Omaha, NE, November 9-11, p.2.
73. Jol, H.M., 2000. Ground penetrating radar:2-D and 3-D subsurface imaging of geomorphic environments. 2000 International Binghamton Geomorphology Symposium: Integrating of Computer Modelling and Field Observation in Geomorphology, Binghamton, NY, October 23 – 25, p. 12.
72. Kruse, S.E. and Jol, H.M., 2000. Resolution of permittivity and electrical conductivity from ground penetrating radar surveys in carbonate and clastic settings. Environmental Sedimentology: Hydrogeology of Sedimentary Aquifers, SEPM/IAS Research Conference, Sante Fe, NM, September 24-27.
71. Jol, H.M., 2000. Just below the surface: the ground penetrating radar project in the Cave of Letters. The Millennium Conference on the Sea of Galilee and the City of Jerusalem. Israel Museum, Jerusalem, Israel, June 26 – July 1.
70. Peterson, C., Darienzo, M., Briggs, G., Madin, I., Doyle, D., Barnett, E., Fiedorowicz, B., Jol, H.M. and Schlichting, R., 2000. A decade of quantifying earthquake hazards from coastal geologic records: central Cascadia margin, USA. Great Cascadia Earthquake Tricentennial, Geological Society of America Penrose Conference, Seaside, OR, June 4-8.
69. Jol, H.M. 2000. Field based capstone experiences at University of Wisconsin-Eau Claire: Examples from Western Nevada/Eastern California. Association of American Geographers, 96th Annual Meeting, Pittsburgh, PA, April 4-8, Abstracts on CD-ROM, p. 361.
68. Jol, H.M., 2000. Ground penetrating radar (GPR) techniques and applications. Association of American Geographers, 96th Annual Meeting, Pittsburgh, PA, April 4-8, Abstract on CD-ROM.
67. [†]Junck, M.B. and Jol, H.M., 2000. Ground penetrating radar investigation of an aeolian sandstone environment, Zion National Park. Association of American Geographers, 96th Annual Meeting, Pittsburgh, PA, April 4-8, Abstract on CD-ROM.
66. [†]Kloehn, N.B. and Jol, H.M., 2000. Using ground penetrating radar on Mound K: is it a burial mound or natural landform? Association of American Geographers, 96th Annual Meeting, Pittsburgh, PA, April 4-8, Abstract on CD-ROM.
- *65. Jol, H.M., 1999. Ground penetrating radar and Bethsaida, 1999. Biblical Archaeology for the 21st Century: A Symposium. University of Nebraska at Omaha, Omaha, NE, November 11-14, p.3.
64. Jol, H.M., 1999. Ground penetrating radar in the Cave of Letters. Biblical Archaeology for the 21st Century: A Symposium. University of Nebraska at Omaha, Omaha, NE, November 11-14, p.2.
63. Kaminsky, G.M., Jol, H.M., Cowell, P.J., Ruggiero, P., and Gelfenbaum, G., 1999. Measuring and modeling coastal progradation, catastrophic shoreline retreat, and shoreface translation along the coast of Washington State, USA. The Non-Steady State of the Inner Shelf and Shoreline: Coastal Change on the Time Scale of Decades to Millennia. University of Hawaii, Honolulu, HI, November 9-12, p. 82.
62. Knight, R. Tercier, P. and Jol, H., 1999. Multi-frequency ground penetrating radar data to characterize spatial variability. Society of Exploration Geophysicists, Sixty-ninth Annual International Meeting and Exposition, October 31 – November 5, Houston, Texas, Expanded Abstracts of the Technical Program with Authors' Biographies, pp. 4.
61. Jol, H.M., 1999. Ground penetrating radar: high resolution subsurface imaging of hydrogeologic environments. International Workshop: Testable Stochastic Features of Subsurface Structures, Flow and Transport, Centro Stefano Fancini of the Swiss Federal Institute of Technology, Monte Verita, Ascona, Switzerland, p. 1-4

60. Jol, H.M., ⁺Thayer, B., Kaminsky, G., Ruggiero, P., Peterson, C., Vanderburgh, S. and Phipps, J., 1999. Coastal ground penetrating radar profiles: are we seeing evidence of El Nino and other short duration events? Canadian Quaternary Association and Canadian Geomorphology Research Group Joint Conference, Calgary, AB, August 23-27, Program and Abstracts, p. 31.
59. Jol, H.M., Peterson, C., Vanderburgh, S. and Phipps, J., 1999. Ground penetrating radar as a regional coastal mapping tool. Association of American Geographers, 95th Annual Meeting, Honolulu, HI, March 23-27, Abstracts on CD-ROM.
58. ⁺Thayer, B. Jol, H.M., Kaminsky, G. and Ruggiero, P., 1999. Detailed ground penetrating radar profiles showing coastline depositional rates, Washington. Association of American Geographers, 95th Annual Meeting, Honolulu, HI, March 23-27, Abstracts on CD-ROM.
57. ⁺Viavattine, T., ⁺Haughton, P., Jol, H.M. and Running, G.L., 1999. Ground penetrating radar investigation of potential Native American burial mounds. Association of American Geographers, 95th Annual Meeting, Honolulu, HI, March 23-27, Abstracts on CD-ROM.
56. Whittecar, G.R., Holloway, D.M., Becraft, S., Havholm, K.G., ⁺Wenell, B.A. and Jol, H.M., 1998. Topography and characteristics of paleosols within coastal back-barrier dunes, northeastern North Carolina. Geological Society of America, Annual Meeting, Toronto, October 26-29, p. A-138.
55. ⁺Wenell, B.A., Havholm, K.G., Jol, H.M., Whittecar, G.R., Riggs, S.R. and Ames, D.V., 1998. History of active back-barrier coastal dunes, northeastern North Carolina and southeastern Virginia: a progress report. Geological Society of America, Annual Meeting, Toronto, October 26-29, p. A-138.
54. ⁺Viavattine, T., ⁺Haughton, P., Jol, H.M. and Running IV, G.L., 1998. A ground penetrating radar investigation of potential Native American burial mounds at Fort McCoy, Wisconsin. Joint Meeting of the West Lakes Division of the Association of American Geographers (49th Annual Meeting) and Wisconsin Geographical Society (52nd Annual Meeting), Programs and Abstracts, 29-31 October, Madison, Wisconsin, p. 18.
53. Jol, H.M., Vanderburgh, S., and Havholm, K. 1998. Ground penetrating radar studies of coastal aeolian environments. Joint Meeting of the West Lakes Division of the Association of American Geographers (49th Annual Meeting) and Wisconsin Geographical Society (52nd Annual Meeting), Programs and Abstracts, 29-31 October, Madison, Wisconsin, p. 18.
52. Smith, D.G., Jol, H.M., and Smith, N.D., 1998. Geomorphology and radar stratigraphy of the wave-influenced William River delta, Lake Athabasca, Canada. In: Coleman, J.M. and Stone, G.W., eds., World Deltas Symposium, New Orleans, LA, 23-28 August, Book of Abstracts, p. 73.
51. Jol, H.M., ⁺Bartz, C., ⁺LeMoine, E. and ⁺Thayer, B., 1998. Ground penetrating radar investigation: Long Island Barrier-Spit, Lake Superior. American Association of Geographers, 94th Annual Meeting, Boston, MA, March Abstracts on CD-ROM.
50. Taylor, L.D., Fisher, T.G., Jol, H.M. and Okraszewski, M.A., 1998. Stratigraphic evidence for a Late Pleistocene glacial outburst flood sequence in south central Michigan. Geological Society of America, 32nd Annual North-Central Section, Cincinnati, OH.
49. Vanderburgh, S., C., Jol, H., Peterson, J. Phipps, and L. Woxell, 1998. The relationship between linear dunes and buried scarps: The case of the Columbia River littoral cell. Canadian Association of Geographers, Western Division Annual Meeting, Program and Abstracts, March 1988.
48. Woxell, L.K., H. Jol, C. Peterson, J. Phipps, and S. Vanderburgh, 1998. Prehistoric beach accretion rates used to predict long-term response to sediment depletion in the Columbia River littoral system. Proceedings of the Oregon Academy of Science, v. 34, p. 33-34.

47. Zerr, N., H. Jol, C. Peterson, L. Woxell, J. Phipps, and S. Vanderburgh, 1998. Coseismic subsidence preserved in linear dune ridge as reactivated dune surface and buried placer deposits in Ocean Shores, Washington, USA. *Proceedings of the Oregon Academy of Science*, v. 34, p. 35-36.
46. Phipps, J., Jol, H., Peterson, C. and Vanderburgh, S., 1997. The effect of a great subduction zone earthquake on a coastal Washington beach. . *EOS, Transactions, American Geophysical Union, Fall Meeting, December, San Francisco, CA.*
45. Jol, H.M., Peterson, C.D., Vanderburgh, S. and Phipps, J., 1997. Imaging coastal accretion in barrier beach and dune ridge complexes: Columbia River littoral cell. *Geological Society of America, Annual Meeting, Salt Lake City, UT, October 20-23, p. A-38.*
44. Smith, D.G., Meyers, R.A., Simpson, C.J. and Jol, H.M. 1997. depositional sequence inferred from radar stratigraphy, Stockton bar and spit complex, Lake Bonneville. *Geological Society of America, Annual Meeting, Salt Lake City, UT, October 20-23, p. A-254.*
43. Jol, H.M. 1997. High resolution ground penetrating radar results: glacial and deltaic environments. *Geological Society of America, 31st Annual Meeting, North-Central Section, Abstracts with Programs, Madison, Wisconsin, May 1-2, p.24.*
42. [†]Bartz, C.M. and Jol, H.M. 1997. Three-dimensional ground penetrating radar: visualization of a delta using PC based software *Geological Society of America, 31st Annual Meeting, North-Central Section, Abstracts with Programs, Madison, Wisconsin, May 1-2, p.3.*
41. Jol, H.M, Smith, D.G., Meyers, R.A., Young, R. and Fisher, T.G. (accepted Jan/97). Ground penetrating radar of eskers, moraines, and outwash plains. *American Association of American Geographers, 93rd Annual Meeting, Fort Worth, Texas, April 1-5, p. 131.*
40. Knight, R., Rea, J., Tercier, P. and Jol, H. 1996. Geostatistical analysis of ground penetrating radar data: a means of characterizing the correlation structure of sedimentary units. *EOS, Transactions, American Geophysical Union, Fall Meeting, December, San Francisco, CA.*
39. Meyers, R. A., Smith, D.G., Jol, H.M. and Peterson, C.D. 1996. Evidence for eight great earthquake-subsidence events detected with ground-penetrating radar, Willapa barrier, Washington. *Tidalites '96, Abstracts, International Conference on Tidal Sedimentology, May 12-16, Savannah, Georgia.*
38. Meyers, R.A., Smith, D.G. and Jol, H.M. 1996. Evidence for eight great earthquake-subsidence events detected with ground-penetrating radar. *Canadian Association of Geographers, Western Division Annual Meeting, March 8-9, University of Lethbridge, Lethbridge, Alberta, Programme with Abstracts.*
37. Jol, H.M., Smith, D.G. and Meyers, R. 1995. High-resolution imaging of geomorphic environments. *EOS, Transactions, American Geophysical Union, Fall Meeting, December 11-15, San Francisco, CA, p. F391.*
36. Jol, H.M and Smith, D.G. 1995. Radar stratigraphy: lacustrine fan-foreset /Gilbert-type deltas. *Joint Meeting 1995 Meeting, Canadian Quaternary Association and Canadian Geomorphological Research Group, Programme, Abstracts and Field Guides, June 5-7, St. John's, Newfoundland, p. CA24.*
35. Smith, D.G., Jol, H. and Meyers, R.A.. 1995. Ground penetrating radar of Quaternary sediments. *Joint Meeting 1995 Meeting, Canadian Quaternary Association and Canadian Geomorphological Research Group, Programme, Abstracts and Field Guides, June 5-7, St. John's, Newfoundland, p. CA45.*
34. Meyers, R.A., Smith, D.G., Jol, H.M and Beierle, B. 1995. Ground penetrating radar, a new method for detecting sea level/land level changes. *Joint Meeting 1995 Meeting, Canadian Quaternary Association and Canadian Geomorphological Research Group, Programme, Abstracts and Field Guides, June 5-7, St. John's, Newfoundland, p. CA32.*

33. Jol, H.M., Roberts, M.C., Smith, D.G., Meyers, R.A. and Lawton, D.C. 1995. Ground penetrating radar of geomorphic environments understanding the subsurface. Geological Association of Canada, Annual Meeting, Victoria, British Columbia, May 15-17, v. 20, p. A-51.
32. Jol, H.M. and Smith, D.G., 1995. High resolution radar stratigraphy of lacustrine deltas: case studies from western North America. Geological Association of Canada, Annual Meeting, Victoria, British Columbia, May 15-17, p. 20.
31. Jol, H.M., Smith, D.G. and Meyers, R.A. 1995. Ground penetrating radar and spits. Canadian Association of Geographers, Western Division Annual Meeting, March 3-5, University of Victoria, Victoria, British Columbia, Programme with Abstracts, p. 31.
30. Jol, H.M., Meyers, R.A., Lawton, D.C. and Smith, D.G. 1994. Ground penetrating radar detailed stratigraphic results of a modern barrier spit shoreface sequence. Society for Sedimentary Geology (SEPM) Research Conference, Clastic Deposits of the Transgressive Systems Tract: Facies, Stratigraphy and Reservoir Character, July 10-14, Long Beach, Washington, Program and Abstracts, p. 16.
29. Jol, H.M., Smith, D.G., Lawton, D.C., Meyers, R.A., Moorman, B.J., Tarrant, P.M. Stewart, R.R. and Fisher, S.C. 1994. Five year summary of GPR experiments and studies at the University of Calgary. Fifth International Conference on Ground Penetrating Radar, Abstracts for Poster Papers, Kitchener, Ontario, June 12-16, p. 21-22.
28. Lawton, D.C., Jol, H.M. and Meyers, R.A. 1994. 3-D ground penetrating surveys: a new approach to imaging and visualizing the near surface. Fifth International Conference on Ground Penetrating Radar, Abstracts for Poster Papers, Kitchener, Ontario, June 12-16, p. 16.
27. Lawton, D.C. and Jol, H.M. 1994. An evaluation of ground penetrating radar for imaging the near surface - examples from contaminant mapping through to facies analysis. Canadian Society of Exploration Geophysicists, Recorder, v. 19(2), p. 3 & *front cover*.
26. Meyers, R.A., Smith, D.G. and Jol, H.M. 1994. Ground penetrating radar investigation of the internal structure of a Pacific coast barrier spit. Geological Society of America, Annual Meeting, Seattle, Washington, October, 24-27, Program and Abstracts, p. A-65.
25. Meyers, R.A., Smith, D.G., Jol, H.M. and Hay, M.B. 1994. Willapa barrier spit: internal depositional structure and accretionary style inferred from ground penetrating radar, SW Washington State. Society for Sedimentary Geology (SEPM) Research Conference, Clastic Deposits of the Transgressive Systems Tract: Facies, Stratigraphy and Reservoir Character, July 10-14, Long Beach, Washington, Program and Abstracts, p. 27.
24. Smith, D.G., Jol, H.M. and Meyers, R.A. 1994. Faults detected and displacements characterized by ground penetrating radar. Fifth International Conference on Ground Penetrating Radar, Abstracts for Poster Papers, Kitchener, Ontario, June 12-16.
23. Smith, D.G. and Jol, H.M. 1994. Ground penetrating radar of peatlands for oilfield pipelines in Canada. Canadian Society of Exploration Geophysicist and Canadian Society of Petroleum Geologists Joint National Convention, Exploration Update '94, May 9-12, Calgary, Alberta, Program, Expanded Abstracts and Biographies, p. 253.
22. Jol, H.M., Smith, D.G., Moorman, B.J., Tarrant, P.M., Meyers, R.A. and Hayes, M.B. 1993. The ground penetrating radar revolution. The Third International Geomorphology Conference, McMaster University, August 23-29, Hamilton, Ontario, Programme with Abstracts, p. 166.
21. Jol, H.M., Smith, D.G. and Meyers, R.A. 1993. Ground penetrating radar of lacustrine spits in northwestern Saskatchewan. The 1993 Meeting of the Canadian Quaternary Association, April 18-21, Royal British Columbia Museum, Victoria, British Columbia, Program with Abstracts and Field Guide, p. A25. **(BEST STUDENT PAPER)**

20. Jol, H.M. and Smith, D.G. 1993. Ground penetrating radar: investigations of deltaic systems. The Third International Geomorphology Conference, McMaster University, August 23-29, Hamilton, Ontario, Programme with Abstracts, p. 166.
19. Fisher, S.C., Stewart, R.R. and Jol, H.M. 1993. Processing ground penetrating radar. 1993 Canadian Society of Exploration Geophysicist National Convention, May 4-6, Calgary, Alberta, Program, Expanded Abstracts and Biographies, p. 33.
18. Krause, F.F., Aitken, S.A., Braunberger, W.F., Chung, P. Macrae, A., Meyer, R.O., Nunez-Betelu, L., Williams, C.A. and Jol, H.M. 1993. Autocyclic progradation and allocyclic ravinement of a shoreface: sedimentology and sequence stratigraphy of the Panther sandstone tongue (upper Cretaceous, Campanian), Wasatch Plateau, Utah, U.S.A. Geological Society of America, Rocky Mountain and Cordilleran Section Meeting, May, 19-21, Reno, Nevada, 1993 Abstracts with Programs, v. 25 (5), p. 64.
17. Lawton, D.C. and Jol, H.M. 1993. Ground penetrating radar for near-surface characterization - example from the Canada Creosote site, Calgary. 1993 Canadian Society of Exploration Geophysicist National Convention, May 4-6, Calgary, Alberta, Program, Expanded Abstracts and Biographies, p. 31. **(BEST PAPER)**
16. Meyers, R.A , Smith, D.G. and Jol, H.M.1993. Ground penetrating radar of lacustrine spits. The Third International Geomorphology Conference, McMaster University, August 23-29, Hamilton, Ontario, Programme with Abstracts, p. 199.
15. Smith, D.G. and Jol, H.M. 1993. Neotectonic faults detected and characterized by ground penetrating radar. The 1993 Meeting of the Canadian Quaternary Association, April 18-21, Royal British Columbia Museum, Victoria, British Columbia, Program with Abstracts and Field Guide, p. A43.
14. Jol, H.M. and Smith, D.G. 1992. Sequence stratigraphy using ground penetrating radar. Sequence stratigraphy of European basins, Centre des Sciences de la Terre and Institut Francais du Petrole, University of Burgundy, May 18-20, Dijon, France, Abstracts Volume, p. 456-457.
13. Jol, H.M. 1992. A comparison of the 25, 50, 100 and 200 MHz antennae with 400 and 1000 v transmitters: a ground penetrating radar field study. European Association of Exploration Geophysicists, 54th Meeting and Technical Exhibition, June 1-5, Paris, France, Technical Programme and Abstracts of Papers, p. 434-435.
12. Smith, D.G. and Jol, H.M. 1992. Ground penetrating radar: high resolution structure of deltas and spits in large lakes. American Association of Petroleum Geologists, June 21-24, 1992, Technical Programme and Abstracts of Papers, p. 121.
11. Fisher, S.C., Stewart, R.R. and Jol, H.M. 1992. Processing ground penetrating radar (GPR) data. *In*: The CREWES Project (Consortium for Research in Elastic Wave Exploration Seismology), Department of Geology and Geophysics, University of Calgary, Research Report, v. 4, Chapter 11, p. 1-22.
10. Jol, H.M. and Smith, D.G. 1991. Ground-penetrating radar investigation of a wave-influenced delta. Society of Exploration Geophysicists, Sixty-first Annual International Meeting and Exposition, November 10-14, Houston, Texas, Expanded Abstracts of the Technical Program with Authors' Biographies, v. 1, p. 497-500. **(HONOURABLE MENTION - Meritorious Effort)**
9. Jol, H.M. and Smith, D.G. 1991. Ground penetrating radar: a brief overview and case study. *In*: The CREWES Project (Consortium for Research in Elastic Wave Exploration Seismology), November 3-6, Banff, Alberta, Department of Geology and Geophysics, University of Calgary, Research Report, v. 3, p. 487-492.
8. Jol, H.M. and Smith, D.G. 1991. High resolution sequence stratigraphy using ground penetrating radar: a new approach. *In*: 1991 NUNA Conference on High-Resolution Sequence Stratigraphy, August 23-30, Banff, Alberta,

Leckie, D.A., Posamentier, H.W. and Lovell, R.W.W. (eds.), Geological Association of Canada, Programme/Proceeding/Guidebook, p. 21-24.

7. Jol, H.M. and Smith, D.G. 1991. Ground penetrating radar of river deltas. 1991 Canadian Society of Exploration Geophysics National Convention, May 14-16, Calgary, Alberta, Program and Abstracts, p. 33. (**HONOURABLE MENTION**)
6. Jol, H.M. and Smith, D.G. 1991. Radar stratigraphy of modern fluvial and deltaic deposits using ground penetrating radar. Canadian Sedimentology Research Group Meeting, May 15-16, Calgary, Alberta.
5. Jol, H.M., Smith, D.G. and Tarrant, P.M. 1991. Ground penetrating radar of river deltas: preliminary results. Canadian Association of Geographers, Western Division Annual Meeting, March 15-17, University of Calgary, Banff, Alberta, Schedule of Events and Abstracts.
4. Moorman, B.J., Smith, D.G., Judge, A.S. and Jol, H.M. 1990. Assessing the ability of ground penetrating radar to delineate different fluvial sediments. Third International Conference on Ground Penetrating Radar, May 14-18, 1990, Lakewood, Colorado, Abstracts of the Technical Meeting/Conference Program, p. 51.
3. Moorman, B.J., Smith, D.G., Judge, A.S. and Jol, H.M. 1990. Using ground penetrating radar as a sub-bottom profiler for delineating facies changes in fluvial deposits. Canadian Association of Geographers, Western Division Annual Meeting, March, 1990, University of British Columbia, Vancouver, British Columbia, Schedule of Events and Abstracts.
2. Roberts, M.C. and Jol, H. 1989. The application of high resolution seismic reflection profiling to geomorphic problems. *In: Geoöko plus 1, 2nd International Conference on Geomorphology "Geomorphology and Geoecology", Frankfurt/Main, September 3-9, 1989, Abstracts of Papers and Posters, Busche, D. (ed.), v. 1, p. 237.*
1. Jol, H.M. and Roberts, M.C. 1987. Seismic stratigraphy of the southern Fraser Delta: preliminary results. Canadian Association of Geographers, Western Division Annual Meeting, March 13-15, 1987, Simon Fraser University, Burnaby, British Columbia, Schedule of Events and Abstracts, p. 29.

Workshop/Symposium Presentations - Abstracts

18. Berry, J., Jol, H., Macaul, S., Pattee, D., Raleigh, D., and Ryberg, R., 2007. After class groups: an update. 4th Annual Teaching and Learning Symposium, University of Wisconsin-Eau Claire, August 27, Abstracts, p. 10
17. Speer, D., Larson, P.H., Jol, H.M., Faulkner, D.J., and Running IV, G.L., 2007. Post-glacial history of the Lower Chippewa Valley, western Wisconsin: a progress report. Chippewa Valley Environmental Forum, May 2, p. 10.
16. Sternberg, C., Trombly, N.R., Jol, H.M., Faulkner, D.J., 2007. Geomorphologic analysis of historical sedimentation in Half Moon Lake, Eau Claire, WI. Chippewa Valley Environmental Forum, May 2, p. 10.
15. Moore, L., Jol, H. and Kaminsky, G., 2000. Exploring correlation between shoreline progradation and climate indices, Southwest Washington. Fifth Southwest Washington Coastal Erosion Study Workshop, Olympia, WA, November 15-17, Abstracts, p. 50-51.
14. Jol, H. and Kaminsky, G., 2000. High resolution 2D and 3D ground penetrating radar datasets. Fifth Southwest Washington Coastal Erosion Study Workshop, Olympia, WA, November 15-17, Abstracts, p. 45-49.
13. Peterson, C., Jol, H., Percy, D., Phipps, J., Reckendorf, F., Vanderburgh, S. and Woxell, L., 2000. Correlation of shoreface retreat scarps, foredunes ridges, and Late-Holocene shoreline ages in the Columbia River Littoral cell, Washington-Oregon, USA. Fifth Southwest Washington Coastal Erosion Study Workshop, Olympia, WA, November 15-17, Abstracts, p. 38-41.

12. Jol, H.M., Junck, M.B., Kaminsky, G. and McCandless, D., 1999. High resolution ground penetrating radar imaging of late prehistoric and historical barrier progradation. Fourth Southwest Washington Coastal Erosion Study Workshop, Olympia, WA, November 17-19, Abstracts, p. 60-62.
11. Peterson, C., Reckendorf, R., Phipps, J., Percy, D., Vanderburgh, S., Woxell, L. and Jol, H.M., 1999. Dune ridge correlation between the Clatsop Plains and the northern subcells of the Columbia river littoral cell: late-Holocene paleo-shoreline reconstruction of SW Washington and NW Oregon, USA. Fourth Southwest Washington Coastal Erosion Study Workshop, Olympia, WA, November 17-19, Abstracts, p. 10-12.
10. Jol, H.M., Kaminsky, G. and Ruggerio, P. 1998. Recent beach progradation and high resolution ground penetrating radar lines. Southwest Washington Coastal Erosion Study Principal Investigator's Workshop, Lacey, WA, November 18-20, Abstracts, p. 20.
9. Jol, H., Peterson, C., Ruggerio, P., Vanderburgh, S. and Phipps, J. 1998. Beach morphology using ground penetrating radar. Southwest Washington Coastal Erosion Study Principal Investigator's Workshop, Lacey, WA, November 18-20, Abstracts, p. 21.
8. Jol, H., Vanderburgh, S., Peterson, C., Roberts, M., Phipps, J. 1998. Drill core correlation with ground penetrating radar profiles. Southwest Washington Coastal Erosion Study Principal Investigator's Workshop, Lacey, WA, November 18-20, Abstracts, p. 22.
7. Phipps, J., Peterson, C., Jol, H. and Vanderburgh, S. 1998. Origin and interpretation of sand dunes in the Grayland plains. Southwest Washington Coastal Erosion Study Principal Investigator's Workshop, Lacey, WA, November 18-20, Abstracts, p. 35.
6. Peterson, C., Qualman, D., Herb, A. and Jol, H. 1998. Vibracoring of surf zone deposits in Columbia River littoral cell. Southwest Washington Coastal Erosion Study Principal Investigator's Workshop, Lacey, WA, November 18-20, Abstracts, p. 36.
5. Vanderburgh, S., Roberts, M.C., Peterson, C., Jol, H.M., Phipps, J. and Herb, A. 1998. 1998 drilling program on the Columbia littoral cell: part of the southwest Washington coastal erosion study. Southwest Washington Coastal Erosion Study Principal Investigator's Workshop, Lacey, WA, November 18-20, Abstracts, p. 46.
4. Jol, H.M., 1998. Southwest Washington Coastal Erosion Study Workshop, Shilo Inn, Ocean Shores, WA, March 5-6, Abstracts, p..
3. Jol, H. 1997. Interim progress report 1997 – ground penetrating radar. Southwest Washington Coastal Erosion Study Workshop, Abstracts of Work in Progress, p. 17.
2. Phipps, J.B., Jol, H.M., Peterson, C.D. and Vanderburgh, S. 1997. The role of the 300 yr tsunami in the building of the "Big Dune" on the Grayland Plains. Southwest Washington Coastal Erosion Study Workshop, Abstracts of Work in Progress, p. 19.
1. Woxell, L.K., Jol, H., Peterson, C., Phipps, J., Reckendorf, F. and Vanderburgh, S. 1997. Columbia littoral cell prehistoric accretion rates. Southwest Washington Coastal Erosion Study Workshop, Abstracts of Work in Progress, p. 20.

Student/Faculty Research Presentations (@ *Undergraduate Research Conferences*)

104. Dryer, P., Ebert, J., Vickroy, B., Erickson, K., Below, C., Ellison, B., Rubach, A., Wermager, T., Jol, H., Nobes, D., 2008. Subsurface imaging of South Brighton Spit, Christchurch, New Zealand part II: coastal processes and data interpretation. Proceedings of the Sixteenth Annual University of Wisconsin-Eau Claire Research Day, April 28 and 29, p. 53.

103. Dryer, W.P., McDonald, J., Jol, H.M., and Faulkner, D., 2008. Subaqueous industrial waste in Western Wisconsin lakes: reducing/redirecting the dredged materials from landfills. Proceedings of the Sixteenth Annual University of Wisconsin-Eau Claire Research Day, April 28 and 29, p. 53. (**5th Place – Life and Earth Sciences**)
102. Ellison, B., Wermager, T., Below, C., Rubach, A., Erickson, K., Vickroy, B., Ebert, J., Dryer, P., Jol, H.M., and Nobes, D., 2008. Subsurface imaging of South Brighton Spit, Christchurch, New Zealand, Part I: data collection and processing. Proceedings of the Sixteenth Annual University of Wisconsin-Eau Claire Research Day, April 28 and 29, p. 54.
101. Larson, P., McDonald, J., Dryer, P., and Baker, A., Running, G., Faulkner, D., and Jol, H., 2008. Geomorphology of cliff-top parabolic dunes within the Lower Chippewa River Valley, Upper Putnam Park, Eau Claire, Wisconsin. Proceedings of the Sixteenth Annual University of Wisconsin-Eau Claire Research Day, April 28 and 29, p. 54.
100. Larson, P., Olson, L., Running, G., Faulkner, D., Jol, H., and Hupy, J., 2008. Late Quaternary eolian dunes and fluvial terraces of the Lower Chippewa River Valley. Proceedings of the Sixteenth Annual University of Wisconsin-Eau Claire Research Day, April 28 and 29, p. 55.
99. McDonald, J., and Jol, H.M., 2008. Ground penetrating radar aided archaeological survey on Har Karkom (Mt. Sinai?), Israel. Proceedings of the Sixteenth Annual University of Wisconsin-Eau Claire Research Day, April 28 and 29, p. 55.
98. Beavers, N., Chase, E., Ebert, J., King, N., Larson, P., Faulkner, D. and Jol, H., 2007. Geomorphic history of the Chippewa River Valley in the vicinity of Half Moon Lake, Eau Claire, Wisconsin. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 56.
97. Dryer, W.P., Krupich, M., Larson, P., Mikolajczyk, J., Speer, D., and Jol, H., 2007. A GPR survey of the Quaternary Beatty Junction paleolake shoreline deposit, Death Valley National Park, California.. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 56.
96. Dryer, W.P., Speer, D., and Jol, H., 2007. GPR imaging of subaqueous deposits within Half Moon Lake, Wisconsin. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 56.
95. Johnson, H., Bode, J., and Jol, H., 2007. GPR imaging of the subsurface in 3D: examples from a coastal site (USA) and an archaeological site (Israel). Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 57.
94. Johnson, H., and Jol, H., 2007. Imaging tsunami deposits in Oregon (USA) using ground penetrating radar. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 57.
93. Larson, P., Speer, D., Faulkner, D., Jol, H., and Running, G., 2007. Late Quaternary stream terraces of the Lower Chippewa River Valley, West-Central Wisconsin. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 57. (**2nd Place – Life and Earth Sciences**)
92. McDonald, J., Pascal, E., Dryer, W.P., Mikolajczyk, J., Krupich, M., and Jol, H., 2007. A remote sensing interpretation of geomorphic features in Death Valley National Park, California. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 57-58.
91. Neumann, S., and Jol, H., 2007. Three-dimensional visualization and analysis of an Aeolian dune. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 58.
90. Pascal, E., and Jol, H., 2007. GPR investigation of two Israeli sites: preliminary results from Tel Yavne and Apollonia. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 58-59.

88. Pascal, E., Neumann, S., Chambers, J., and Jol, H., 2007. Topographic profiles along a Quaternary Beatty Junction paleolake shoreline deposit, Death Valley National Park, California. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 59.
87. Vickroy, B., McDonald, J., and Petrasko, K., and Jol, H., 2007. Geo-referenced base map of a Quaternary Beatty Junction paleolake shoreline deposits, Death Valley National Park, California. Proceedings of the Fifteenth Annual University of Wisconsin-Eau Claire Research Day, April 23 and 24, p. 59.
86. Molnar, M., Johnson, S., Lenon, T., and Jol, H.M., 2006. Ground penetrating radar investigations of the Tahquamenon River Basin, Michigan: Preliminary results. Proceedings of the Seventh Annual University of Wisconsin-Symposium for Undergraduate Research and Creative Activity May 5, University of Wisconsin-Stout, Menomonie, WI, p. 48.
85. Bode, J., and Jol, H., 2006. GPR Investigation of the Nuestra Senora La Blanca Church Site, Burgos, Spain: Preliminary Results. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 40.
84. Bode, J., and Jol, H., 2006. Ground penetrating radar and electrical resistivity tomography investigations of a coastal archaeological site: Preliminary results from Yavne Yam, Israel. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 40.
83. Bode, J., Kouba, R., Hurd, L., Jol, H., and Faulkner, D., 2006. Laser leveling along Hapuna Beach, Hawaii. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 40.
82. Cramer, B., Farrell, C. Henderson, J., Knabel, S., Molnar, M., Nelson, M., Pirkl, D., Strong, J., Suppes, B., Faulkner, D., Jol, H., 2006. Paleoflood research in Honokoa Gulch, Hawaii. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 40 -41. [2nd prize]
81. Johnson, S., Schwarz, M., Jol, H., and Faulkner, D., 2006. Vegetation survey of Hapuna Beach, Hawaii. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 41.
80. Molnar, M., Johnson, S., Lenon, T., and Jol, H.M., 2006. Ground penetrating radar investigations of the Tahquamenon River Basin, Michigan: Preliminary results. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 41.
79. Sternberg, C.G., Nier, M., Jol, H.M., and Faulkner, D., 2006. GPS data from Hapuna Beach, Hawaii. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 42.
78. Sternberg, C.G., Trombly, N.R., Jol, H., and Faulkner, D., 2006. Geomorphic analysis of historical sedimentation in Half Moon Lake, Eau Claire, WI. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 42.
77. Wong, K, Bode, J., Lenon, T., Jol, H., and Faulkner, D., 2006. GPR investigations of Hapuna Beach, Hawaii. Proceedings of the Fourteenth Annual University of Wisconsin-Eau Claire Research Day, May 1 and 2, p. 42.
76. Treague, J. J., Jol, H.M, and Peterson, C.D., 2005. Searching for buried Lewis and Clark Sites: geophysical investigations along the Pacific Northwest Coast. Proceedings of the Sixth Annual University of Wisconsin-Symposium for Undergraduate Research, April 9, Oshkosh, WI, p. 44.
75. Bode, J., and Jol, H.M, 2005. In search of a missing child: a geophysical (GPR) investigation of a cemetery. Proceedings of the Thirteenth Annual University of Wisconsin-Eau Claire Research Day, April 25 and 26, p. 38.
74. Treague, J. J., Jol, H.M, and Peterson, C.D., 2005. Searching for buried Lewis and Clark Sites: geophysical investigations along the Washington and Oregon Coast. Proceedings of the Thirteenth Annual University of Wisconsin-Eau Claire Research Day, April 25 and 26, p. 38.

73. Sternberg, C., Jol, H.M, and Faulkner, D., 2005. Saw mill history on Half Moon Lake, Eau Claire, WI. Proceedings of the Thirteenth Annual University of Wisconsin-Eau Claire Research Day, April 25 and 26, p. 38.
72. Treague, J. J., and Jol, H.M, 2005. Three-dimensional subsurface GPR visualization for an archaeological site(Qumran, Israel) and geomorphic site (Michigan). Proceedings of the Thirteenth Annual University of Wisconsin-Eau Claire Research Day, April 25 and 26, p. 38.
71. Treague, J. J., Jol, H.M, and Peterson, C.D., 2005. Searching for the lost village: an 1805 Lewis and Clark site along the northern Oregon coast. Posters in the Rotunda: A Celebration of Undergraduate Student Research, April 7, Wisconsin State Capitol Rotunda, Madison, WI, p. 6.
70. Thorn, R.A., Treague, J.J., Jol, H.M., and Peterson, C.D., 2004. A ground penetrating radar investigation of an 1805 Lewis and Clark Site, Oregon. Eighteenth National Conference on Undergraduate Research (NCUR), Indiana University - Purdue University Indianapolis, Indianapolis, Indiana, April 15-17, p. 158.
69. Stevens, J.D., Zahler, R.J., Jol, H.M., and Peterson, C.D., 2004. Locating a mapped Lewis and Clark Native encampment, Oregon: A GIS and GPS database. Eighteenth National Conference on Undergraduate Research (NCUR), Indiana University - Purdue University Indianapolis, Indianapolis, Indiana, April 15-17, p. 153.
68. Frenz, B.G. and Jol, H.M., 2004. Searching for the Ancient Jewish City of Yavne - a geophysical survey of Tel Yavne, Israel. Proceedings of the Twelfth Annual University of Wisconsin-Eau Claire Research Day, April 26 and 27, p. 38.
67. Gilbert, T., Guse, B., Erickson, M., and Jol, H.M., 2004. Locating a Native village visited by Lewis and Clark using subsurface investigations: a focus on laser leveling. Proceedings of the Twelfth Annual University of Wisconsin-Eau Claire Research Day, April 26 and 27, p. 38.
66. Guse, B., Hicks, S., and Jol, H.M., 2004. Locating a Native village visited by Lewis and Clark: literature review and subsurface investigations. Proceedings of the Twelfth Annual University of Wisconsin-Eau Claire Research Day, April 26 and 27, p. 39.
65. Selb, M., Thorn, R., Treague, J., and Jol, H.M., 2004. A ground penetrating radar investigation of an 1805 Lewis and Clark site, Oregon. Proceedings of the Twelfth Annual University of Wisconsin-Eau Claire Research Day, April 26 and 27, p. 40.
64. Stevens, J., Zahler, R., and Jol, H.M., 2004. Locating a mapped Lewis and Clark Native encampment, Oregon: A GIS and GPS database. Proceedings of the Twelfth Annual University of Wisconsin-Eau Claire Research Day, April 26 and 27, p. 40-41.
63. Stokstad, A., Hicks, S., Toioven, B., and Jol, H.M., 2004. Subsurface search for Clatsop village in Camp Rilea, Oregon. Proceedings of the Twelfth Annual University of Wisconsin-Eau Claire Research Day, April 26 and 27, p. 41.
62. Passow, R., Jol, H.M., Freund, R.A., Savage, C.E. and Reeder, P., 2003. Ground penetrating radar and global positioning system: archaeological aids at Qumran, Israel. Fourth Annual University of Wisconsin Symposium for Undergraduate Research and Creative Activity, University of Wisconsin-Eau Claire, Eau Claire, WI, April 29, P048.
61. DeChaine, R., Jol, H.M., Eisenman, R. and Dubay, R., 2003. Archaeological GPR investigations at Rennes-Le-Chateau (France) utilizing 3-D animation. Fourth Annual University of Wisconsin Symposium for Undergraduate Research and Creative Activity, University of Wisconsin-Eau Claire, Eau Claire, WI, April 29, P042.

60. Passow, R. and Jol, H.M., 2003. Ground penetrating radar and global positioning system: archaeological aids at Qumran, Israel. Proceedings of the Eleventh Annual University of Wisconsin-Eau Claire Student Research Day, April 28, p. 43.
59. DeChaine, R. and Jol, H.M., 2003. Archaeological GPR investigations at Rennes-Le-Chateau (France) utilizing 3-D animation. Proceedings of the Eleventh Annual University of Wisconsin-Eau Claire Student Research Day, April 28, p. 42.
58. Bradford, M.C., Hahn, P.A., Kleiner, R.H. and Jol, H.M., 2002. Investigation of differential GPS, Hawaii. Proceedings of the Tenth Annual University of Wisconsin-Eau Claire Student Research Day, April 22-23, p. 37-38.
57. Brown, E., Passow, R. and Jol, H.M., 2002. Laser leveling of Hapuna Beach, Hawaii – The Big Island. Proceedings of the Tenth Annual University of Wisconsin-Eau Claire Student Research Day, April 22-23, p. 38.
56. DeChaine, R.J. and Jol, H.M., 2002. GPR in Geoarchaeology: A GPR Survey at Rennes-le-Chateau, Southern France. Proceedings of the Tenth Annual University of Wisconsin-Eau Claire Student Research Day, April 22-23, p. 38-39.
55. DeChaine, R.J., Durni, J. and Jol, H.M., 2002. A ground penetrating radar survey at Hapuna Beach, the Big Island Hawaii. Proceedings of the Tenth Annual University of Wisconsin-Eau Claire Student Research Day, April 22-23, p. 39.
54. McDonnell, D.P. and Jol, H.M., 2002. Zonation of Hapuna beach dunes: a study of the ecological plant structure on the Big Island of Hawaii. Proceedings of the Tenth Annual University of Wisconsin-Eau Claire Student Research Day, April 22-23, p. 39.
53. Rutten, T., Morton, C. and Jol, H.M., 2002. Geographic information systems analysis of Hapuna Beach Big Island, Hawaii. Proceedings of the Tenth Annual University of Wisconsin-Eau Claire Student Research Day, April 22-23, p. 33-34. p. 39.
52. Morton, C.M. and Jol, H.M., 2001. Real-time geo-archaeological digital database for the Cave of Letters, Israel. Third Annual University of Wisconsin Symposium for Undergraduate Research and Creative Activity, University of Wisconsin-Eau Claire, Eau Claire, WI, April 24, p. 11
51. Saeger, N.W. and Jol, H.M., 2001. Ground penetrating radar experiments at Forest Hills Cemetery, Eau Claire, Wisconsin. Third Annual University of Wisconsin Symposium for Undergraduate Research and Creative Activity, University of Wisconsin-Eau Claire, Eau Claire, WI, April 24, p. 1
50. Bergstrom, N., Havholm, K., Jol, H.M., and Running, G., 2001. Documenting sand dune stratigraphy through ground penetrating radar, Flintstone Hill, SW Manitoba. Proceedings of the Ninth Annual University of Wisconsin-Eau Claire Student Research Day, April 23, p. 33-34
49. DeChaine, R., Jol, H.M. and Running, G., 2001. Ground penetrating radar investigations at the Lowton archaeological site, Southcentral, Manitoba. Proceedings of the Ninth Annual University of Wisconsin-Eau Claire Student Research Day, April 23, p. 31
48. Morton, C.M. and Jol, H.M., 2001. Real-time geo-archaeological digital database for the Cave of Letters, Israel. Proceedings of the Ninth Annual University of Wisconsin-Eau Claire Student Research Day, April 23, p. 33
47. Morton, C.M. and Jol, H.M., 2001. Geo-archaeological database and Search Engine for the Historical Cave of Letters, Israel. Proceedings of the Ninth Annual University of Wisconsin-Eau Claire Student Research Day, April 23, p. 32

46. Saeger, N.W. and Jol, H.M., 2001. Ground penetrating radar experiments at Forest Hills Cemetery, Eau Claire, Wisconsin. Proceedings of the Ninth Annual University of Wisconsin-Eau Claire Student Research Day, April 23, p. 33
45. [†]Junck, M.B. and Jol, H.M. 2000. Ground penetrating radar investigation of an aeolian sandstone environment, Zion National Park. Fourteenth National Conference on Undergraduate Research, University of Montana - Missoula, Missoula, Montana, April 27-29, p. 204.
44. [†]Kloehn, N.B. and Jol, H.M., 2000. Using ground penetrating radar on Mound K: is it a burial mound or natural landform. Fourteenth National Conference on Undergraduate Research, University of Montana - Missoula, Missoula, Montana, April 27-29, p. 204-205.
43. Bressler, A. and Jol, H.M., 2000. Vegetation mapping and geographic information Systems: an option for Mono Lake. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 28.
42. Chopp, B. and Jol, H.M., 2000. GPS/GIS data integration for Lake Tahoe area data. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 28.
41. Hager, R. and Jol, H.M., 2000. Bear management in Yosemite National Park. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 29.
40. Herriot, R. and Jol, H.M., 2000. Desert habitat: a case study. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 29.
39. Junck, M. B. and Jol, H.M., 2000. Ground penetrating radar investigation of an eolian sandstone environment, Zion National Park. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 29.
38. Kloehn, N. B. and Jol, H.M., 2000. Using ground penetrating radar on Mound K: is it a burial mound or natural landform? Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 29.
37. Morton, C. and Jol, H.M., 2000. Interpolation of real time GPS data. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 30.
36. Olig, M. and Jol, H.M., 2000. Mobile computer networking feasibility for field research in a university environment. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 30.
35. Stuecken, J. and Jol, H.M., 2000. Yosemite National Park and global positioning systems. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 31.
34. Zarins, L. and Jol, H.M., 2000. Longitudinal or Barchanoid Dunes? A GPR investigation at Fort McCoy, Wisconsin. Proceedings of the Eighth Annual University of Wisconsin-Eau Claire Student Research Day, April 17-18, p. 31.
33. Aurit, M. and Jol, H., 1999. Agricultural water uses in Nevada. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 28.
32. Glampe, J. and Jol, H., 1999. Alluvial fan flooding research using ground penetrating radar (GPR). Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 29.
31. Gordee, S. and Jol, H., 1999. Pyramid lake Paiute Tribe. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 29.

30. Junck, M.B. and Jol, H., 1999. Application of ground penetrating radar (GPR) in the interpretation of Russell Spit, Nevada within the Lake Lahontan Basin. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 30.
29. Kloehn, N. and Jol, H., 1999. The effect of the California water wars on the tufa formations and ecosystem of Mono lake, California. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 30.
28. Loe, T. and Jol, H., 1999. 3-D mapping with global positioning system. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 31.
27. Majdoch, J. and Jol, H., 1999. Mapping cranberry production in Wisconsin using a geographic information system (GIS). Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 31.
26. Nelson, S. and Jol, H., 1999. Reno's water supply and the future. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 32.
25. Neuens, C. and Jol, H., 1999. Geology problems of Pyramid lake, Nevada. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 32.
24. Thayer, B. and Jol, H., 1999. Detailed ground penetrating radar profiles showing coastline depositional rates, Washington. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 33-34.
23. Valeri, J. and Jol, H., 1999. Lake Tahoe. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 34.
22. Viattine, T., Haughton, P. and Jol, H., 1999. A ground penetrating radar investigation of the West Prairie Mound Group, Fort McCoy, Monroe County, Wisconsin. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 34.
21. Wenell, B., Havholm, K. and Jol, H., 1999. Ground penetrating radar study of dunes and beach ridges at Cape Henry, Virginia. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 40.
20. Wenell, B., Jol, H. and Foust, B. 1999. Creating a land use land cover database for ArcView. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 35.
19. Wenell, B., Havholm, K. and Jol, H. 1999. History of active back-barrier coastal dunes, Northeastern North Carolina and Southeastern Virginia: A progress report. Proceedings of the Seventh Annual University of Wisconsin-Eau Claire Student Research Day, April 26-27, p. 40.
18. Thayer, B. P. and Jol, H. M., 1999. Detailed ground penetrating radar profiles showing coastline depositional rates, Washington. Thirteenth National Conference on Undergraduate Research, University of Rochester, Rochester, New York, April 8-10, p. 164.
17. Viavattine, T.P., Haughton, P.V., Jol, Harry M. and Running, Garry L., 1999. Ground penetrating radar investigation of potential Native American burial mounds. . Thirteenth National Conference on Undergraduate Research, University of Rochester, Rochester, New York, April 8-10, p. 164.
16. Wenell, B., Havholm, K. and Jol, H., 1998. History of Holocene dune activity, coastal North Carolina and Virginia. 1998 Tri-State and University of Wisconsin System Geological Field Conference – Undergraduate Research Poster Session, University of Wisconsin-Eau Claire, September 25.

15. Viavattine, A., Houghton, P., Jol, H. and Running, G., 1998. A ground penetrating radar investigation of potential native American burial mounds at Fort McCoy, Wisconsin. 1998 Tri-State and University of Wisconsin System Geological Field Conference – Undergraduate Research Poster Session, University of Wisconsin-Eau Claire, September 25.
14. Anderson, R.A. and Jol, H. M., 1998. Plant distribution of Death Valley National Park. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 31.
13. Bartz, C. and Jol, H.M., 1998. Ground penetrating radar: the Columbia river littoral cell. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 31.
12. Carlson, D. and Jol, H.M., 1998. Saving our deserts: The California controversy. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p.32.
11. Curley, C.A. and Jol, H.M., 1998. Playas: the hydrologic and sediment processes. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 32.
10. Gelhar, T. and Jol, H.M., 1998. Geomorphic features related to active faulting in Death Valley. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 33.
9. LeMoine, E. and Jol, H.M., 1998. Ground penetrating radar investigation of a barrier spit: Long Island, Wisconsin. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 33.
8. Michaelsen, N.C. and Jol, H.M., 1998. The Desert Pupfish. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 34.
7. Minich, B.N. and Jol, H.M., 1998. Alluvial fans: a continual process. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 34-35.
6. Thayer, B. and Jol, H.M. 1998. A comparison of ground penetrating radar antennae frequencies along the southern shore of Lake Superior. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p.36.
5. Thayer, B. and Jol, H.M., 1998. Using post-differential corrected global positioning systems in Death Valley National Park. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 36.
4. Wennel, B., Havholm, K. and Jol, H.M., 1998. History of Holocene dune activity, coastal North Carolina and Virginia. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 42.
3. Will, A.M. and Jol, H.M., 1998. Formation and composition of Death Valley sand dunes. Proceedings of the Sixth Annual University of Wisconsin-Eau Claire Student Research Day, April 27-28, p. 37.
2. Bartz, C. and Jol, H.M. 1997. Three-dimensional ground penetrating radar: visualization of a delta using PC based software. Proceedings of the Fifth Annual University of Wisconsin-Eau Claire Student Research Day, April 28-29, p. 24.
1. Holmes, M., Havholm, K. and Jol, H.M. 1997. Eolian dune morphology, Run Hill, North Carolina. Proceedings of the Fifth Annual University of Wisconsin-Eau Claire Student Research Day, April 28-29, p. 28.

Field Trip Leader/Co-Leader

6. Vanderburgh, S, Gelfenbaum, G., Jol, H., Kaminsky, G., Peterson, C. and Phipps, J., 2003. Coastal evolution, dynamic shoreline processes, and beach management controversies of the Columbia River Littoral Cell, Southwest

Washington and Northern Oregon. A Field Guide Geological Society of America 2003 Annual Meeting, Seattle Washington, Field Trip #6, October 30 – November 1.

5. Reckendorf, F., Peterson, C., Jol, H.M., Vanderburgh, S., Phipps, J., Twichell, D., and Baker, D., 2003. Holocene coastal processes in the Columbia River Cell. A Field Guide for the Northwest Cell of the Friends of the Pleistocene Field Conference, Pacific County, WA and Clatsop County, OR, Sept. 26-28.
4. Jol, H.M., 2002. Deglaciation and Holocene landscape evolution in Eastern Upper Michigan. A Field Guide for the 48th Midwest Friends of the Pleistocene Field Conference, Grand Marais and Munising, MI, May 31 – June 2.
3. Peterson, C., Baham, J., Beckstrand, D., Clough, C., Cloyd, C., Erlandson, J., Grathoff, G., Hart, R., Jol, H., Percy, D., Reckendorf, F., Rosenfeld, C., Smith, T., Phyllis Steeves, P., Stock, E., 2002. Field guide to the Pleistocene and Holocene dunal landscapes of the Central Oregon Coast: Newport to Florence, Oregon. Geological Society of America, Field Trips Guide, Cordillera Meeting, Corvallis, Oregon, 13 p. (Also, published as Virtual Field Trip)
2. Loope, W.L., Anderton, J.B., Blewett, W.L., Jol, H.M., Fisher, T.G., Johnston, J.W., Baedke, S.J., Thompson, T.A., and Arbogast, A.F., 2002. Deglaciation and Holocene landscape evolution in Eastern Upper Michigan. A Field Guide for the 48th Midwest Friends of the Pleistocene Field Conference, Grand Marais and Munising, MI, May 31 – June 2.
1. Smith, D.G., Currey, D., Oviatt, C.G. and Jol, H.M. 1997. Lake Bonneville Classic Depositional Shore Features: Geochronology, Geomorphology, Stratigraphy, and Sedimentology, Geological Society of America, Annual Meeting, Salt Lake City, UT, October 19.

Panel Member

Jol, H.M. 2006. Coastal photographs – developing a new coastal photo CD. Association of American Geographers, 102nd (2006) Annual Meeting, Chicago, IL, March 7-11, 2006 Annual Meeting Program, p. 156.

Reports/Open Files

8. Jol, H. and Kaminsky, G., 2002. High resolution 2D and 3D ground penetrating radar datasets. Southwest Washington Coastal Erosion Workshop Report 2000. Edited by G. Gelfenbaum and G.M. Kaminsky, United States Geological Survey, Open-File Report 02-229: 99-104.
7. Moore, L., Jol, H. and Kaminsky, G., 2002. Exploring correlation between shoreline progradation and climate indices, Southwest Washington. Southwest Washington Coastal Erosion Workshop Report 2000. Edited by G. Gelfenbaum and G.M. Kaminsky, United States Geological Survey, Open-File Report 02-229: 105-111.
6. Peterson, C., Jol, H., Percy, D., Phipps, J., Reckendorf, F., Vanderburgh, S. and Woxell, L., 2002. Correlation of shoreface retreat scarps, foredunes ridges, and Late-Holocene shoreline ages in the Columbia River Littoral cell, Washington-Oregon, USA. Southwest Washington Coastal Erosion Workshop Report 2000. Edited by G. Gelfenbaum and G.M. Kaminsky, United States Geological Survey, Open-File Report 02-229: 75-78.
5. Jol, H.M., and Running IV, G.L. 2002. A ground penetrating radar investigation of Mound K, the West Prairie Mound Group, Fort McCoy, Monroe County, Wisconsin. A report prepared for the Department of Defense, United States Army Reserve Command, Directorate of Training and Mobilization, 36 pp, appendices and CD-ROM.
4. Viavattine, A.P., Haughton, P.V., Jol, H.M., and Running IV, G.L. 2002. A ground penetrating radar investigation of Mound B, the West Prairie Mound Group, Fort McCoy, Monroe County, Wisconsin. A report prepared for the Department of Defense, United States Army Reserve Command, Directorate of Training and Mobilization, 34 pp, appendices and CD-ROM.

3. Jol, H.M., 2000. Ground Penetrating Radar Report. *In* Cave of Letters Excavations Report for G-100/1999 and 2000 Proposal to the Antiquities Authority of Israel.
2. Reeder, P, Jol H.M., Shroder Jr., J.F., and Freund, R.A., 1999. Cave of Letters Excavations Report for G-100/ 1999. Technical Report Prepared for the Antiquities Authority of Israel. Jerusalem, Israel. 48p.
1. Pullan, S.E., Jol, H.M., Gagne, R.M. and Hunter, J.A. 1989. Compilation of high resolution "optimum offset" shallow seismic reflection profiles from the southern Fraser River Delta, British Columbia. Geological Survey of Canada, Open File No. 1992, 16 pp.

Invited Research/Community Presentations (1993-2008)

- Jol, H.M., 2008. Graves, caves, and cities: biblical archaeology explorations in Israel. Primetime Friends (Seniors), First Congregational, May 21, Eau Claire, WI.
- Jol, H.M. 2008. Research in Antarctica. Roosevelt Elementary School presentation, February 8, Eau Claire, WI.
- Jol, H.M. 2007. Antarctica: Imaging sand dunes of in the McMurdo Dry Valleys. Department of Earth Sciences Lecture Series, November 26, Simon Fraser University, Burnaby, BC, Canada.
- Jol, H.M. 2007. Investigating the Sand Dunes of Antarctica. University of Wisconsin-Eau Claire Alumni Association Let's Do Lunch Lecture Series, May 30, Eau Claire, WI.
- Jol, H.M., 2007. Archaeological adventures in Israel: Searching the past, Looking into the Future. Plymouth United Church of Christ, May 16, Eau Claire, WI.
- Jol, H.M. 2007. Maps! Roosevelt Elementary School presentation, May 9, Eau Claire, WI.
- Jol, H.M., 2007. Antarctica: Imaging sand dunes of Victoria Valley. Community Presentation, University of Wisconsin-Eau Claire, February 25.
- Jol, H.M., 2007. Antarctica (Event K015): Imaging sand dunes of Victoria Valley. Earth Science Seminar Series, Spring 2007, University of Wisconsin-Eau Claire, January 26.
- Jol, H.M. 2007. Adventures in Antarctica! Roosevelt Elementary School presentation, January 19, Eau Claire, WI.
- Jol, H.M. 2007. Adventures in Antarctica! Midelfort Luther Childcare Center presentation, January 19, Eau Claire, WI.
- Jol, H.M., 2007. Recent archaeological adventures in Israel: Searching the past, Looking into the Future. Lake Street United Methodist Women, January 9, Eau Claire, WI.
- Jol, H.M., 2006. Recent archaeological adventures in Israel: Searching the past, Looking into the Future. Lake Street Men's Group, September 16, Eau Claire, WI.
- Jol, H.M. and Pascal, E., 2006. Recent archaeological adventures in Israel: Searching the past, Looking into the Future. Eau Claire Rotary Guest Speaker, August 21, Eau Claire, WI.
- Jol, H.M., 2006. Find the right spot! Geophysical investigations in Israel. University of South Florida Departments of Geography, Anthropology and Geology – Evening of Invited Talks – “From the Cave of Letters to Qumran: Geoarchaeological Research in the Holyland”, February 22.
- Jol, H.M., 2006. What's beneath the surface? Using GPR to better understand geomorphic and archaeological sites: Examples from USA, Canada, Israel, New Zealand, and Australia. University of South Florida Departments of Geography and Anthropology Seminar Series, February 22.
- Dalenta, C. and Jol, H.M., 2005. Holy Sites/Sights: Photography, Archaeology, Earth Science. Earth Science and Geography Seminar Series, Fall 2005, University of Wisconsin-Eau Claire, December 2.
- Jol, H.M., 2005. What's beneath the surface? Using GPR to better understand geomorphic and archaeological sites: Examples from USA, Canada, Israel, Australia, New Zealand and France, Quaternary Paleocology Seminar Series, University of Minnesota, November 2.
- Jol, H.M. 2005. Archaeological Explorations in Israel. Chippewa Valley Museum Lecture Series, May 14, Eau Claire, WI.

- Ihinger, P., and Jol, H.M. 2005. Tsunamis and Earthquakes: A Dynamic Earth. Menomonie Area Science Forum, The Wisconsin Society of Science, March 30, Menomonie, WI.
- Jol, H.M., 2005. What's beneath the surface? Using GPR to better understand archaeological and geomorphic sites: Examples from USA, Israel and New Zealand. Departments of Geology and Archaeology Lecture Series, Oberlin College, February 24.
- Ihinger, P., and Jol, H.M. 2005. Tsunamis and Earthquakes: A Dynamic Earth. University of Wisconsin-Eau Claire Alumni Association Let's Do Lunch Lecture Series, February 23, Eau Claire, WI.
- Jol, H.M. 2005. Finding the Right Spot! Geoarchaeological Research from Fort McCoy, WI to Qumran, Israel. Eau Claire Rotary Guest Speaker, January 24, Eau Claire, WI.
- Jol, H.M. 2004. Geoarchaeological Adventures in the Holy Land. University of Wisconsin-Eau Claire Alumni Association Let's Do Lunch Lecture Series, December 29, Eau Claire, WI.
- Jol, H.M., 2004. Is this where Jesus bathes? Recent investigations at a bathhouse in Nazareth, Israel.. Breakfast with a Professor, University Honors Program, Eau Claire, WI, November 23.
- Jol, H.M., 2004. Graves, Caves and Cities: Recent Biblical Archaeology Explorations in Israel. First Lutheran Seminar Series, Eau Claire, WI, Oct. 9.
- Jol, H.M., 2004. Mega-Earthquakes, El Nino and Archaeology along the Columbia River Littoral Cell, Pacific Northwest, USA. Earth Science Seminar Series, University of Wisconsin-Eau Claire, October 8.
- Jol, H.M., 2004. What's beneath the surface? Using ground penetrating radar to better understand geomorphic and archaeological sites: Examples from USA, Israel & New Zealand. Department of Geosciences Colloquium Series, University of Wisconsin-Milwaukee, April 23.
- Jol, H.M., 2004. Who is buried at Qumran? Site of the Dead Sea Scrolls discovery (& other questions from Biblical archaeological sites in Israel).First Fridays, University of Wisconsin-Eau Claire, April 2.
- *Jol, H.M., 2004. What's beneath the surface? Using ground penetrating radar to better understand geomorphic and archaeological sites: Examples from USA, Israel & New Zealand. Department of Earth, Ecological and Environmental Sciences Seminar Series, University of Toledo, March 26.
- Jol, H.M., 2004. Looking into the subsurface at Biblical sites, Israel. University of Wisconsin-Eau Claire Christian Network Forum, Eau Claire, WI, March 11.
- Jol, H.M., 2004. Noninvasive imaging of archaeological significant sites in Israel: Qumran, Cave of Letters, and Bethsaida. Department of Geophysics Seminar Series, Stanford University, Palo Alto, CA, March 4.
- Jol, H.M., 2004. Looking for archaeological significant caves and graves: examples from Israel (Qumran), Wisconsin (Fort McCoy) & New Zealand (Maori). Physical Geography Seminar Series, University of Wisconsin-Eau Claire, Eau Claire, WI, February 13.
- Jol, H.M., 2004. What's beneath the surface? Using ground penetrating radar (GPR) to better understand coastal deposits and archaeological sites. Spring 2004. Department of Geological Sciences Seminar Series, University of Minnesota, Duluth, February 5.
- Jol, H.M., 2003. In search of Dead Sea scrolls and graves, Qumran, Israel. Department of Archaeology Seminar Series, Simon Fraser University, Burnaby, British Columbia, Canada, November 6.
- Jol, H.M., 2003. What's under the beach? Visualizing the subsurface using ground penetrating radar. King Fisher Resort and Village, Fraser Island, Australia, KFRV Seminar Series.

- Jol, H.M., 2003. GPR and the Physical Environment – Investigations into glacial, aeolian, fluvial and coastal environments. Department of Geography Seminar Series, University of Canterbury, Christchurch, New Zealand, April 30.
- Jol, H.M., 2003. Field applications of GPR in archaeology (Cave of Letters, Israel) and geomorphology (tectonic coastal USA). Geological Society of New Zealand (Canterbury Branch), Christchurch, New Zealand, April 29
- Jol, H.M., 2003. In search of Dead Sea scrolls and graves, Qumran, Israel. Department of Geological Sciences Seminar Series, University of Canterbury, Christchurch, New Zealand, March 26.
- Jol, H.M., 2002. Ground penetrating radar in sediments. Department of Geology and Geophysics Lecture Series, University of Wisconsin-Madison, Madison, WI, December 12.
- Jol, H.M., 2002. Looking for caves and graves at Qumran, Israel: a ground penetrating radar perspective. Madison Biblical Archaeology Society Lecture Series, University of Wisconsin-Madison, Madison, WI, December 11..
- Jol, H.M., 2002. Using ground penetrating radar in search of caves and graves along the Dead Sea Trench, Israel, University of Calgary Lecture Series, Calgary, AB, September 18.
- Jol, H.M., 2002. Investigations in Israel. The News, Affiliation of Christian Geologists, Summer, p. 4.
- Jol, H.M., 2002. Looking for caves and graves at Qumran, Israel. EKKO Update, Sensors and Software, June, p.1-2.
- Jol, H.M., 2002. Investigations at the Cave of Letters, Israel. University of Wisconsin-Eau Claire Alumni Luncheon Guest Speaker, University Retired Faculty, Eau Claire, WI, May 9.
- Jol, H.M., 2002. Ground penetrating results at the Qumran, Israel. Part of panel discussing the “The Results of the Dead Sea Scrolls Excavation, Qumran 2001”, California State University-Long Beach, Long Beach, CA, May 3
- Jol, H.M., 2002. Return to the Cave of Letters – The Movie. Faculty Research Forum, University of Wisconsin – Eau Claire, Eau Claire, WI, February 13.
- Jol, H.M., 2002. Return to the Cave of Letters – The Movie. Pizza with a Professor, Honors Program, University of Wisconsin – Eau Claire, Eau Claire, WI, April 19.
- Jol, H.M., 2002. Return to the Cave of Letters – The Movie. Geography Club Presentation, University of Wisconsin – Eau Claire, Eau Claire, WI, April 18.
- Jol, H.M., 2001. Cave of Letters, Israel. Association of Christian Geologists, Geological Society of America Annual Meeting Boston, MA, November 6.
- Jol, H.M., 2001. Cave of Letters. GTU Dinner Speaker, University of Wisconsin-Eau Claire, May.
- Jol, H.M., 2001. Cave of Letters, Israel. Lake Street United Methodist Church Lecture Series, May.
- Jol, H.M., 2001. Resumes and Cover Letters. Geography Club, University of Wisconsin-Eau Claire, May.
- Jol, H.M., 2001. Adventures from Down Under. Geography Club, University of Wisconsin-Eau Claire, May.
- Jol, H.M., 2001. Cave of Letters. Breakfast with Professor, Honors Program, University of Wisconsin-Eau Claire, March 13.
- Jol, H.M., 2001. Ground penetrating radar: methodology and applications. Spring 2001 Department of Geological Sciences Seminar Series, University of Minnesota, Duluth, March 8.

- Jol, H.M., 2000. Dunes, coasts and caves: ground penetrating radar studies. VU (Free University), Amsterdam, The Netherlands, October 6
- Jol, H.M. 2000. Ground Penetrating Radar: Planes, Tanks, FBI, Rivers and Lakes. Chippewa County In-service Training Lecture Series. Chippewa Falls, WI, January 17.
- Jol, H.M. 1999. Return to the Cave of Letters (Israel): a GPR perspective. Faculty Research Forum, University of Wisconsin – Eau Claire, Eau Claire, Wisconsin, November 10.
- Jol, H.M. and Mahoney, B., 1999. Update on the computers. Faculty Research Forum, University of Wisconsin – Eau Claire, Eau Claire, Wisconsin, May 2.
- Jol, H.M. 1998. Ground penetrating radar: bodies, planes, peat bogs and coasts. University of Wisconsin-Eau Claire Honors Class Lecture Series, Eau Claire, WI, October 22.
- Jol, H.M. 1998. Progress report of ground penetrating radar research along the West Coast. City of Long Beach Community Awareness Lecture Series, Long Beach City Hall, Long Beach, WA, August 5.
- Jol, H.M. 1998. Progress report of ground penetrating radar research along the West Coast. Columbia River Estuary Study Taskforce (CREST) Public Lecture Series, Astoria Maritime Museum, Astoria, Oregon, August 4.
- Jol, H.M. 1998. Remote sensing update for teachers of Wisconsin. Wisconsin Geographic Alliance, University of Wisconsin-Eau Claire, Wisconsin, June 19.
- Jol, H.M. 1998. Geographic information systems (GIS) update for teachers of Wisconsin. Wisconsin Geographic Alliance, University of Wisconsin-Eau Claire, Wisconsin, June 19.
- Jol, H.M. 1998. Ground penetrating radar: methodology and applications. Department of Geosciences Lecture Series, Indiana University Northwest, Gary, Indiana, April 10.
- Jol, H.M. 1998. Ground penetrating radar: methodology and applications. Department of Geology Lecture Series, University of Illinois – Chicago, Chicago, Illinois, April 9.
- Jol, H.M. 1998. Ground penetrating radar: methodology and applications. Department of Geology Lecture Series, University of South Florida, Tampa, Florida, March 18.
- Jol, H.M. 1998. Ground penetrating radar: methodology and applications. Coastal and Marine Division, United States Geological Survey, St. Petersburg, Florida, March 17.
- Jol, H.M. 1998. Ground penetrating radar results - SW coastal erosion program. SW Coastal Erosion Program Workshop, Ocean Shores, Washington, March 6.
- Jol, H.M. 1998. Ground penetrating radar: methodology and applications. Faculty Research Forum, University of Wisconsin – Eau Claire, Eau Claire, Wisconsin, February 18.
- Jol, H.M. 1997. Ground penetrating radar: methodology and applications. Jonathan O. Davis Colloquium Series, Quaternary Sciences Center of the Desert Research Institute, Reno, Nevada, December 15.
- Jol, H.M. 1997. Ground penetrating radar results - SW coastal erosion program. SW Coastal Erosion Program Workshop, Department of Ecology, Lacey, Washington, November 21.
- Jol, H.M. 1997. Ground penetrating radar: methodology and applications. Center for Geophysical Investigation of the Shallow Subsurface, Boise State University, June 26.

- Jol, H.M. 1997. Ground penetrating radar: methodology and applications. University of Calgary, Alberta, April 22.
- Jol, H.M. 1996. Ground penetrating radar of Quaternary Environments. Pacific Geoscience Centre, Geological Survey of Canada, Sydney, British Columbia, May 24.
- Jol, H.M. 1996. Ground penetrating radar: coastal environments. University of Wisconsin-Eau Claire, Wisconsin, April 25.
- Jol, H.M. 1996. Environmental hazards: debris flows in mountainous terrain. University of Wisconsin-Eau Claire, Wisconsin, April 25.
- Jol, H.M. 1996. Ground penetrating radar: applications in Quaternary studies. University College of the Fraser Valley, British Columbia, March 1.
- Jol, H.M. 1996. Jobs in physical geography: a geomorphologist's perspective. Trinity Western University, Langley, British Columbia, February 29.
- Jol, H.M. 1996. Ground penetrating radar: a new approach to the earth sciences. Western Michigan University, Kalamazoo, Michigan, February 19.
- Jol, H.M. 1996. Geotechnical aspects of debris flows in mountainous terrain. University of New Brunswick, Fredericton, New Brunswick, February 8.
- Jol, H.M. 1996. Ground penetrating radar: a new approach to the earth sciences. University of New Brunswick, Fredericton, New Brunswick, February 9.
- Jol, H.M. 1995. Ground penetrating radar: a new approach to the earth sciences. Douglas College, New Westminster, British Columbia, December 5.
- Jol, H.M. 1995. GPR: An effective geophysical approach for selected geologic environments. University of British Columbia, Department of Geology and Geophysics, November 2.
- Jol, H.M. 1995. Ground penetrating radar: applications and analogues for oil and gas exploration. Ulster Petroleum, Inc., Burnaby, British Columbia, October 25.
- Jol, H.M. 1995. Ground penetrating radar: a new approach to the earth sciences. The University of Utah, Salt Lake City, Utah, October 23.
- Jol, H.M. 1995. Ground penetrating radar: application to geomorphic and Quaternary problems. Institute for Quaternary Research, Simon Fraser University, Burnaby, British Columbia, April 7.
- Jol, H.M. 1995. Ground penetrating radar: a research summary. Jacksonville University, Jacksonville, Florida, April 11.
- Jol, H.M. 1995. Geotechnical aspects of debris flows in mountainous terrain. Jacksonville University, Jacksonville Florida, April 11.
- Jol, H.M. 1995. Ground penetrating radar: a new approach to the earth sciences. The University of West Florida, Pensacola, Florida, April 12.
- Jol, H.M. 1995. GIS: Data Quality. The University of West Florida, Pensacola, Florida, April 13.
- Jol, H.M. 1995. Ground penetrating radar: a new approach to the earth sciences. University of Toronto, Toronto, Ontario, April 6.

- Jol, H.M. 1995. Geotechnical aspects of debris flows in mountainous terrain. University of Toronto, Toronto, Ontario, April 5.
- Jol, H.M. 1995. Application of geophysical methods to environmental and geomorphic problems. Indiana University, Bloomington, Indiana, March 23.
- Jol, H.M. 1995. Ground penetrating radar: a new approach to the earth sciences. Indiana University, Bloomington, Indiana, March 22.
- Jol, H.M. 1995. Ground penetrating radar: a new approach to the earth sciences. University College of the Fraser Valley, Abbotsford, British Columbia, March 15.
- Smith, D.G. and Jol, H.M. 1994. Ground-penetrating radar (GPR): applications to coastal plain sedimentology and depositional models. Exxon Production Research, Houston, Texas, Feb.
- Jol, H.M. 1993. 25 MHz example from Utah. Sensors and Software Inc., EKKO Update, April.
- Jol, H.M. 1993. Ground penetrating radar. Can. Assoc. of Geog. (WD), Newsletter, January, p.1.
- Jol, H.M. 1993. Ground penetrating radar: recent results. Presentation for FATS (Friday Afternoon Talks), Department of Geology and Geophysics, University of Calgary, January 22.

Newsletters

Editor for the Coastal Letters – the newsletter of the Coastal and Marine Geography Specialty Group of the Association of America Geographers (from 1997 – 2002)

Newspaper and Website Articles (reporting about research and teaching)

- available upon request

Videos (that research is presented in)

Nova Productions, 2005. Ancient Refuge in the Holy Land, Public Broadcasting Corporation.

Milone, C., 2001. Return to the Cave of Letters, University of Nebraska at Omaha Public Television

Wessells, S.M., Gelfenbaum, G., Kaminsky, G., 1998. At ocean's edge: coastal change in Southwest Washington, Washington State Department of Ecology, coastal Monitoring and Analysis Program, Publication No. 98-116 (video), 20 min.

DataSets

The Southwest Washington Coastal Erosion Study: Catalog of Data Sets, 1999. Ground penetrating radar datasets 1996, 1997, 1998. p. 35-36.

RESEARCH AND ACADEMIC SUPPORT & CONTRACTS

2009	Antarctica Dry Valleys Georeferencing (NSF – University of Minnesota)
2008	United States Geological Survey – Sand Point (with University of Toledo)
2008	Louisiana State University – Gulf Coast
2008	Summer Research Experiences for Undergraduates (UWEC) - Michigan
2008	Summer Research Experiences for Undergraduates (UWEC) - Chippewa
2008	University of Nebraska at Omaha – Himalayan Workshop

2007 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire (x3)
 2007 Peatland Geophysics Workshop (NSF -Rutgers University)
 2007 University Research and Creative Activity Grant - UW-Eau Claire
 2007 Summer Research Experiences for Undergraduates (UWEC) - Israel
 2007 Summer Research Experiences for Undergraduates (UWEC) - Chippewa
 2007 Solid Waste Research Program (UW-System)
 2007 Birbeck – University College of London
 2007 Mount Sinai (Negev, Israel) Research Expedition
 2007 University of Hartford
 2007 Half Moon Lake Outlet Project – City of Eau Claire
 2007 UWEC – Israel
 2006 UWEC - Office of Research and Sponsored Programs –Antarctica
 2006 UWEC – Provosts Office - Antarctica
 2006 University of Auckland
 2006 Antarctica New Zealand
 2006 University of Auckland
 2006 Lesson Study Training Grant Award
 2006 Portland State University
 2006 Oregon Department of Geology and Mineral Industries
 2006 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire (x2)
 2006 Summer Research Experiences for Undergraduates (UWEC)
 2006 UWEC – Foundation
 2006 Foundation Stone – Yavne, Israel
 2006 University of Hartford - Israel
 2005 United States Fish and Wildlife
 2005 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire
 2005 United States Geological Survey (USGS - W. Loope)
 2005 Summer Research Experiences for Undergraduates (UWEC)
 2005 University Research and Creative Activity Grant - UW-Eau Claire
 2005 Foundation Stone – Yavne, Israel
 2005 University of Hartford - Israel
 2004 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire
 2004 Sea Grant, University of Toledo, OH (T. Fisher)
 2004 United States Geological Survey (USGS - W. Loope)
 2004 Natural Sciences and Engineering Research Council (NSERC - D.G. Smith)
 2004 Summer Research Experiences for Undergraduates (UWEC)
 2004 University Research and Creative Activity Grant - UW-Eau Claire
 2004 Mitchum Law Firm
 2003 Foundation Stone - Yavne
 2003 University Research and Creative Activity Grant - UW-Eau Claire
 2003 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire
 2003 University of Hartford - Israel
 2003 Mitchum Law Firm
 2003 Summer Research Experiences for Undergraduates (UWEC)
 2002 John F. Merrill, Jr. Multi-Site Archaeological Project Israel 2002 Season
 2002 University Research and Creative Activity Grant - UW-Eau Claire
 2002 Geographix Software Grant
 2002 Academic Affairs Professional Development Grant – Guest Speaker Program
 2002 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire (x 2)
 2002 University of Nebraska - Omaha, Bethsaida, Israel
 2002 University of Hartford - Israel
 2002 Ayres and Associates – GPR Testing of Wastewater Site
 2002 Summer Research Experiences for Undergraduates (UWEC)
 2002 Sea Grant – Oregon Paleo-Dune Study
 2002 United States Geological Survey (Michigan)

2002 UWEC Sabbatical
 2002 Sea Grant – Oregon Dune Aquitard Study
 2001 John F. Merrill, Jr. Multi-Site Archaeological Project Israel 2001 Season
 2001 University Research and Creative Activity Grant - UW-Eau Claire
 2001 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire (x 2)
 2001 University of Nebraska - Omaha, Bethsaida, Israel
 2001 University College of the Fraser Valley, Abbotsford, Canada – Dune Study
 2001 United States Geological Survey – Coastal Erosion Study
 2001 Summer Research Experiences for Undergraduates (UWEC)
 2001 Sea Grant – Oregon Paleo-Dune Study
 2001 United States Geological Survey (Michigan)
 2000 John F. Merrill, Jr. Expedition to the Cave of Letters 2000 Season
 2000 Summer Research Experiences for Undergraduates (UWEC)
 2000 United States Geological Survey (Michigan)
 2000 United States Department of Agriculture (Minnesota)
 2000 Minnesota Department of Transportation
 2000 University Research and Creative Activity Grant - UW-Eau Claire
 1999 Small Research Grant - UW-Eau Claire - Equipment Rental - Israel
 1999 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire - Junck
 1999 University of Wisconsin-Eau Claire - Arts and Science - Dean's Office -
 Computer for 3D Visualization
 1999 University of Wisconsin-Eau Claire - Office of University Research
 Computer for 3D Visualization
 1999 University of Nebraska - Omaha, Cave of Letters Expedition, Israel
 1999 Geographix Software Grant
 1999 Washington Department of Ecology (Shorelands) - High Resolution - GPR
 1999 US Geological Survey - National Coastal Program (with C. Peterson/PSU)
 1999 University Research and Creative Activity Grant - UW-Eau Claire
 1999 Fort McCoy - Native Burial Mound Investigations
 1999 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire (x 2)
 1999 Summer Research Experiences for Undergraduates (UWEC)
 1998 Summer Research Experiences for Undergraduates (UWEC)
 1998 University Research and Creative Activity Grant - UW-Eau Claire
 1998 Fort McCoy – Native Burial Mound Investigations
 1998 Apostle Islands National Lakeshore
 1998 US Geological Survey - National Coastal Program (with C. Peterson/PSU)
 1998 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire (x 2)
 1997/98 Funding for Notebook PC's in Capstone Courses (UWEC)
 1997 US Geological Survey - National Coastal Program (with C. Peterson/PSU)
 1997 Apostle Islands National Lakeshore
 1997 North Carolina Division of Parks and Recreation (with K. Havholm, UWEC)
 1997 Summer Research Experiences for Undergraduates (UWEC)
 1997 Student Travel for Presentation (UWEC)
 1997 Laboratory Renewal Funding, University of Wisconsin - System
 1997 University Research and Creative Activity Grant - UW-Eau Claire
 1997 Small Research Grant (UWEC)
 1997 Faculty/Student Collaboration Grant University of Wisconsin-Eau Claire (x 3)
 1996 US Geological Survey - National Coastal Program (with C. Peterson/PSU)
 1996 Geological Survey of Canada - Brookwood Aquifer Characterization
 1996 Faculty/Student Research Collaboration - (UWEC)
 1995 Exxon Production Research - GPR - Processing - Utah
 1995 Exxon Production Research - Oil and Gas Reservoir Modeling - Utah
 1995 Frontier Geophysics - GPR - Environmental Testing
 1995 Geological Survey of Canada - Brookwood Aquifer Characterization
 1995 University of Northern British Columbia - Fluvial/Salmon Habitat

1994	University of Illinois (Geosciences) - Fluvial
1994	Komex, International - Environmental Spill
1993	University of Calgary Post-Doctoral Fellowship Research Grant
1993	University of South Florida (Marine Science) - GPR - Deltaic Study
1993	Eagle Resources - Platform Assessment
1993	Carnaghan Limited - Placer Exploration
1992	Killam Scholarship Research Allowance
1992/91/90	Northern Science Training Program (3 years)
1992	Exxon Production Research - GPR presentation
1992	Amoco Ltd. - Seismic - GPR comparison project/statics
1992	Surface Search - Environmental and Training
1992	Geophysicon - GPR Training
1991	University of Calgary Thesis Research Grant
1991	Petrel-Robertson Research - GPR Applications
1990	University of Manitoba - GPR - Flood Deposits
1990/92/93	Academic Projects Fund (3)
1988	Cominco Exploration - Shallow Seismic Exploration
1987	Foundex Geophysics - Shallow Seismic Exploration

PROFESSIONAL DEVELOPMENT

Research

- 1999 - 2008 - have conducted *research projects at over 1200 sites worldwide* including Canada, United States, Israel, New Zealand, Australia, Europe and Antarctica. The projects have been funded by numerous agencies and foundations.
- *list of research projects available upon request – also see www.uwec.edu/jolhm for selected examples*
- 1996/97/98 University of Wisconsin-Eau Claire
- ground penetrating radar (GPR) of Washington/Oregon state coastline - erosion study (with USGS and Curt Peterson -PSU)
- ground penetrating radar (GPR) research projects
- Lake Superior shoreline
- Apostle Islands National Lakeshore
- Superior/Duluth Barrier
- Geoarchaeological investigations – Fort McCoy
- Indiana Shoreline of Lake Michigan
- Michigan Catastrophic and Glacial Deposits
- Omaha, Nebraska - location of grave sites
- Nebraska Sand Hills
- Boise, Idaho - fluvial test site
- North Carolina/Virginia - aeolian and coasts study
- writing of grants/research funding for GPR field experiments of coastal, aeolian, and glacial environments in Wisconsin, Illinois, Indiana, Michigan, North Carolina, Minnesota, North and South Dakota, Nebraska and Oregon - funding is pending but collaborative research projects have been set up at all sites
- incorporating remote sensing to site selection of geophysical surveys
- 3-D imaging of GPR datasets - visualization of stratigraphy
- 1994/95/96 NSERC Post-Doctoral Fellow, Simon Fraser University
- ground penetrating radar, reflection seismic, coastal environments
- GPR surveys of Yukon braided streams and placer gold deposits
- seismic survey to characterize Langley aquifer

- reservoir characterization of fluvial deposits, Book Cliffs, Utah
 - environmental GPR surveys
 - imaging and processing of GPR and seismic data
 - use of various geophysical techniques to characterize Langley aquifer
- 1993 University of Calgary Post-Doctoral Fellow, University of Calgary
- ground penetrating radar, lacustrine environments, radar stratigraphy
 - participated in collaborative research program of barriers (Washington, Oregon, Texas, Florida, Georgia)
 - 3D interpretation of coastal environments
- 1992 Research Project - France (Camargue Delta and Rhone River, Evieu)
- 1989-93 Doctoral Research, University of Calgary
- conducted, processed and interpreted ground penetrating radar (GPR) surveys from over 250 sites across North America (Alberta, British Columbia, Saskatchewan, Manitoba, Ontario, Montana, Idaho, Utah, Washington, Florida)
 - streamline GPR survey methodology
 - effectively budgeted, administered and handled logistics
 - trained colleagues and collaborated with industry and research institutions
- 1986-88 Master of Science Research, Simon Fraser University
- successfully coordinated a shallow seismic reflection investigation of the Fraser River delta including running, processing and interpreting all seismic surveys (20 line km)
- 1987 Researcher, Geological Survey of Canada
- coordinated and conducted shallow seismic reflection surveys
 - supervised a productive field team
- 1985&86 NSERC Summer Research Assistant
- operation and maintenance of engineering seismographs
 - operation and maintenance of geophysical logger (Mount Sopris)
 - utilized diamond drilling rig and Vibracoring techniques
 - field and laboratory sediment analysis

Field Trips

- 2008 South Island, New Zealand
- 2007 North Shore Lake Superior, MN
- 2007 Central Maine – Peat Bogs
- 2007 Southern Utah/Northern Arizona
- 2007 Israel- Har Kakom (southern Israel)
- 2007 Desert Southwest (NV, CA, AZ, UT)
- 2006 Antarctica – Dry Valleys, November/December
- 2006 New Zealand – South Island (coasts and mountains), November/December
- 2006 Alpine Environments, Canadian Rockies, September
- 2006 Coastal Hydrology and Processes of Atlantic Barrier Islands, GSA, October
- 2006 Coastal Environments of Israel, July
- 2006 Southern Ohio, June
- 2005 Northern Arizona, October
- 2005 Black Hills, SD, August
- 2005 Rocky Mountain National Park, US, April 2005
- 2004 Northern tidal flats of the Netherlands, June 2004
- 2004 Northeastern Shoreline of Florida, June 2004

- 2004 Glacial and postglacial landscape evolution in the Glacial Lake Aitkin and Upham Basin, Northern Minnesota, Institute on Lake Superior Geology, May 8.
- 2003 Coastal evolution, dynamic shoreline processes, and beach management controversies of the Columbia River Littoral Cell, Southwest Washington and Northern Oregon. GSA, Oct. 30 – Nov. 1
- 2003 Holocene coastal processes in the Columbia River Cell, Northwest Friends of the Pleistocene Field Conference, Sept. 26-28.
- 2003 Physical Geography of Israel (Yavne and Nazareth region)
- 2003 Mid-Conference Field Trip – Westport, NZ, AQUA and NZ Friends of the Pleistocene, Feb. 6
- 2003 Physical Geography of New Zealand (North and South Island)
- 2002 Physical Geography of US Desert SW
- 2002 Physical Geography of Israel (Dead Sea and southern environs)
- 2002 Deglaciation and Holocene landscape evolution in Eastern Upper Michigan, 48th Midwest Friends of the Pleistocene, Field Conference, May 31 – June 2
- 2002 Santa Barbara and surrounding areas including Morro Bay
- 2001 Quaternary Sea-level Change and Coastal Evolution in Eastern Maine, GSA, Nov. 1-4
- 2001 Field Studies of the Big Island, Hawaii, September 21 - 30
- 2001 Physical Geography of Israel (Sea of Galilee, Dead Sea and Northern Israel), July
- 2001 Northern Lake Superior, 47th Midwest Friends of the Pleistocene, Field Conference, May 21-23
- 2000 Finger Lakes and Catskill Mountains, New York
- 2000 Southeast England Coastal Landforms
- 2000 Pictured Rocks National Lakeshore
- 2000 Southern Manitoba
- 2000 Physical Geography of Israel (Sea of Galilee, Dead Sea and Judean Desert)
- 2000 Australia, Queensland – Tropical Rainforest, Coast and Great Barrier Reef
- 2000 Southern Pennsylvania
- 2000 Colorado Plateau
- 1999 Physical Geography of Nevada and Utah
- 1999 Alpine Geomorphology of Mount Rae, Alberta, August 25
- 1999 Physical Geography of Israel (Sea of Galilee, Dead Sea and Judean Desert)
- 1999 Physical Geography of Nevada and Utah
- 1999 Pleistocene Geology of North-Central Indiana and South-Central Michigan, 45th Midwest Friends of the Pleistocene, Field Conference, May 21-23
- 1999 Geomorphology of the Big Island, Hawaii, March
- 1999 Physical Geography of Central New Mexico
- 1998 Western Nevada/Eastern California, October
- 1998 Tri-State Geological Field Conference – West Central Wisconsin
- 1998 Death Valley Field Study
- 1997 Lake Tahoe/Pyramid Lake/Carson Sink/Lake Lahontan
- 1997 Lake Bonneville Classic Depositional Shore Features: Geochronology, Geomorphology, Stratigraphy, and Sedimentology, GSA Annual Meeting
- 1997 New Explorations Along the Northern Shores of Lake Bonneville, GSA Annual Meeting
- 1997 Glacial Geomorphology and Glaciology of the Green Bay Lobe During the Last Deglaciation, Southeastern Wisconsin GSA-NC (Colgan, Mickelson, Clayton, Attig)
- 1997 Conditions Around the Margin of the Green Bay Lobe During the Height of the Wisconsin Glaciation, GSA-NC (Clayton, Attig, Mickelson)
- 1997 Death Valley, CA
- 1996 Wisconsin - Baraboo, Eau Claire, Chippewa Falls, Apostle Islands - various leaders
- 1996 Olympic Peninsula, Washington - Friends of the Pleistocene
- 1995 West Coast of Newfoundland, Canadian Quaternary Association
- 1995 Eastern Avalon, Newfoundland, Canadian Quaternary Association
- 1995 Washington Scablands, Simon Fraser University
- 1995 Greater Victoria Watershed, Canadian Association of Geographers, Western Div.

- 1994 Salmon River Watershed, Soil and Water Conservation Society, B.C. Chapter
 1994 Transgressive and Early Highstand Systems Tracts, Pleistocene Terrace Deposits, Willapa Bay, Washington, SEPM (Clifton)
- 1994 Rocky Mountain Section/SEPM- Models for the Stratigraphy of Ramp Margins: Sequence Stratigraphy and Facies Architecture of the Desert and Castlegate, Book Cliffs, Utah and Colorado (Van Wagoner)
- 1994 Langley District Watershed and Environmental Implications
 1994 Geological - Drumheller, Alberta, University of Calgary
 1994 Mass Movement, Southwestern British Columbia, Simon Fraser University
- 1993 Friends of the Pleistocene - Quaternary Geology of the Mission Valley, Montana.
 1993 Marine Geological Studies of Coastal Areas: Saanich Inlet to the Fraser River Delta - Applied Quaternary Research Meeting
- 1992 Extended Geological Field Trip to Central Utah - Panther Tongue, Book Cliffs (also, Arches, Canyonlands, Grand Tetons, Yellowstone)
- 1992 Friends of the Pleistocene - Quaternary Geology of Jackson Hole, Wyoming.
 1992 Geomorphic landform analysis of playas, volcanoes, alluvial fans in Death Valley, California, U.S.A., University of Lethbridge
- 1992 Alberta Geomorphology Group - Quaternary reconstructions, glacial landforms and catastrophic subglacial flooding in central Alberta.
- 1991 Coastal Depositional Systems of the Gulf of Mexico, GCSEPM (Penland & Suter)
 1991 Tidal and Coastal Deposits, Willapa Bay - Petrel Robertson Field Trip
 1991 Assisted with Alberta Geomorphology Group - Glacial Lake Missoula, Western Montana, and Channeled Scabland, Central Washington.
- 1991 Assisted with Alberta Geomorphology Group - Quaternary Reconstruction of the Elk Valley area, SE British Columbia
- 1990 Extended field trip to learn of pluvial lake Bonneville and the Bonneville flood sites, Utah, U.S.A.

Workshops/Short Courses (Research and Teaching)

- 2008 Green Learning – Course Design from the Ground Up, Eau Claire, WI
 2008 Diversity in Teaching, Eau Claire, WI
 2007 Team Based Learning, Eau Claire, WI
 2007 National Science Foundation - Workshop of Peatland Geophysics, University of Maine, Orono, Maine
- 2007 The Assessment Toolbox: Assessing Student Learning Part 1: Creating Meaningful Assignments for your Students
 2007 The Assessment Toolbox: Assessing Student Learning Part 2: Using Multiple choice Tests and Reflective Writing to Assess Complete Learning Outcomes
- 2007 Diversity in the Classroom, Eau Claire, WI
 2007 Lesson Study Training Workshop, Menomonie, WI
 2006 Engaging Students in the College Classroom, Eau Claire, WI
 2006 Motivating Students in the College Classroom, Eau Claire, WI
 2006 Hands-On Fundamentals of GPR, Columbus, OH
 2006 Collaborative Learning: Facilitating Group Work in the Classroom, Eau Claire, WI
 2006 Speaking Millennial: Understanding and Teaching a New Generation of Students
 2006 When Backwards is Forward Thinking: Recreating Courses Through a New Design
- 2005 When Students Have Power, Eau Claire, WI
 2005 Scholarship of Teaching and Learning Workshop, Eau Claire, WI
 2005 Learner Centered Teaching, Eau Claire, WI
- 2002 Three-Dimensional Acquisition, Processing and Imaging of Ground-Penetrating Radar Data, Ninth International Conference on Ground-Penetrating Radar, Santa Barbara, CA
- 2001 Seisvision Software Workshop, Geographix, Denver, CO
 2000 Advanced Ground Penetrating Radar Processing, Gold Coast, Australia

- 1999 CORONA Revealed: The Secret Geography of the US' First Satellite Program, Honolulu, HI
- 1999 Maneuvering through the Mist: Clarifying Map Projections Concepts, Issues, and Implementation, Honolulu, HI
- 1997 How to Develop Undergraduate Research in Geology/Programs in Geology /Instrumentation and Laboratory Improvement Program, Bethesda, Maryland
- 1997 Your Business and Satellite Imagery - Spot Image Corporation, Minneapolis, MN
- 1995 Teaching Large Classes, The Centre for University Teaching
- 1995 Cooperative and Participatory Learning, The Centre for University Teaching
- 1995 The Use of Voice in Teaching, The Centre for University Teaching
- 1994 Applied Geophysics Workshop, Environmental & Engineering Geophysics Society
- 1994 Instructional Skills Workshop, Simon Fraser University, BC (3 days-intensive sessions)
- 1993 Sequence Stratigraphy Course (Van Wagoner) - Geological Association of Canada
- 1991 Recent Sand Models Course (Meckel and Smith) - Professional Seminar Group
- 1988 Seismic Stratigraphy (Vail and Sangree) - American Association of Petroleum Geologists
- 1988 Seismic Expressions - American Association of Geologists
- 1987 Geophysics for the Exploration Geologist: Traditional Approaches and Recent Innovations (Woods) - Geological Association of Canada

Conferences

- 2007 9th Annual Batchelder Conference for Biblical Archaeology
- 2007 Geological Society of America Annual Meeting, Denver, CO
- 2006 Geological Society of America Annual Meeting, Philadelphia, PA
- 2006 Author's Celebration, Eau Claire, WI
- 2006 3rd Annual Teaching and Learning Symposium, Eau Claire, WI
- 2006 11th International Conference on Ground Penetrating Radar (GPR 2006), Columbus, OH
- 2006 Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19th Annual Meeting, Seattle, WA
- 2006 Association of American Geographers (AAG), 102nd Annual Meeting, Chicago, IL
- 2005 2nd Annual Teaching and Learning Symposium, Eau Claire, WI
- 2005 The Land and the People Conference, Galilee & Jerusalem, Israel
- 2005 Geological Society of America, 39th Annual Meeting of the North-Central Section, Minneapolis, MN, May 19-20
- 2005 Association of American Geographers, 101st Annual Meeting, Denver, CO, April 5-9,
- 2004 Geological Society of America Annual Meeting, Denver, CO, November 7-10
- 2005 6th Annual Batchelder Biblical Archaeological Conference, University of Nebraska at Omaha, Omaha, NE, October 28-30,
- 2004 Tenth International Conference on Ground Penetrating Radar GPR 2004, Delft University of Technology, Delft, The Netherlands, June 21 - 24,
- 2003 Geological Society of America Annual Meeting, Seattle, WA, November 2-5
- 2003 International Conference on Archaeology, History and Technology, University of Hartford, Hartford, CT, Sept. 7-10.
- 2003 Australasian Quaternary Association Biennial Conference, Westport, NZ, Feb. 3-7
- 2002 The 4th Annual Batchelder Biblical Archaeology Conference, Omaha, NE
- 2002 72nd Annual Meeting of the Society of Exploration Geophysicists, Salt Lake City, UT
- 2002 Ninth International Conference on Ground-Penetrating Radar, Santa Barbara, CA
- 2001 American Schools of Oriental Research, Boulder, CO
- 2001 Geological Society of American Annual Meeting, Boston, MA
- 2001 GPR in Sediments: Applications and Interpretations International Conference, London, England
- 2001 Society of Biblical Literature International Conference, Rome, Italy
- 2001 Association of American Geographers, 97th Annual Meeting, New York,

- 2000 Fifth Southwest Washington Coastal Erosion Study Workshop, Olympia, WA
- 2000 2nd Biblical Archaeology for the 21st Century: A Symposium, Omaha, NE
- 2000 International Binghamton Geomorphology Symposium: Integrating of Computer Modelling and Field Observation in Geomorphology, Binghamton, NY
- 2000 The Millennium Conference on the Sea of Galilee and the City of Jerusalem. Israel Museum, Jerusalem, Israel
- 2000 8th International Conference on Ground Penetrating Radar (GPR 2000), Gold Coast, Australia
- 2000 96th Annual Meeting of the Association of American Geographers, , Pittsburgh, PA
- 1999 Biblical Archaeology for the 21st Century: A Symposium, Omaha, NE
- 1999 International Workshop: Testable Stochastic Features of Subsurface Structures, Flow and Transport, Centro Stefano Fancini of the Swiss Federal Institute of Technology, Monte Verita, Ascona, Switzerland.
- 1999 Canadian Quaternary Association and Canadian Geomorphology Research Group Joint Conference, Calgary, AB
- 1999 95th Annual Meeting of the Association of American Geographers, Boston, MA
- 1998 Third Southwest Washington Coastal Erosion Study Workshop, Olympia, WA
- 1998 Joint Meeting of the West Lakes Division of the Association of American Geographers (49th Annual Meeting) and Wisconsin Geographical Society (52nd Annual Meeting)
- 1998 7th International Conference on Ground Penetrating Radar, Lawrence, Kansas
- 1998 94th Annual Meeting of the Association of American Geographers, Boston, MA
- 1997 Second Southwest Washington Coastal Erosion Study Workshop, Olympia, WA
- 1997 Geological Society of America, 1997 Annual Meeting, Salt Lake City, Utah
- 1997 Geological Society of America, 31st Annual North-Central Section, Madison, Wisconsin
- 1997 Council of Undergraduate Research (CUR), Bethesda, Maryland
- 1997 93rd Annual Meeting, The Association of American Geographers, Fort Worth, Texas
- 1996 17th Annual Research Conference GCSEPM, Houston, Texas
- 1996 First Southwest Washington Coastal Erosion Study Workshop, Olympia, WA
- 1996 Sixth International Conference on Ground Penetrating Radar, Sendai, Japan
- 1995 American Geophysical Union, San Francisco, CA
- 1995 Canadian Quaternary Association, St. John's, Nfld.
- 1995 Geological Association of Canada, Victoria, B.C.
- 1995 Aggregate Forum, Vancouver, B.C.
- 1995 Canadian Association of Geographers - Western Division, Victoria, B.C.
- 1994 Watershed Management in Transition, Vancouver, B.C.
- 1994 Geological Society of America, Seattle, WA.
- 1994 Clastic Deposits of the Transgressive Systems tract: Facies, Stratigraphy and Reservoir Character, SEPM Research Conference, Long Beach, WA.
- 1994 5th International Conference on Ground Penetrating Radar, Waterloo, Ont.
- 1994 Symposium on the Application of Geophysics to Engineering and Environmental Problems, Boston, MA
- 1993 4th International Geomorphology Conference, Hamilton, Ont.
- 1993 Applied Quaternary Research - Canadian Quaternary Association, Victoria, B.C.
- 1993 Geological Association of Canada Annual Meeting, Edmonton, AB
- 1992 European Association of Exploration Geophysicists Annual Conference, Paris
- 1992 Sequence Stratigraphy of European Basins Conference, Nice, France
- 1992 Fourth International Conference on Ground Penetrating Radar, Rovaniemi, Fin.
- 1992 Canadian Society of Exploration Geophysicists Convention, Calgary, AB
- 1991 Coastal Depositional Systems in the Gulf of Mexico, Quaternary Framework and
- 1991 NUNA Conference on High-Resolution Sequence Stratigraphy, Banff, AB
- 1991 Society of Exploration Geophysicists - International Conference and Shallow Seismic Source Test, Houston, TX
- 1991 CREWES (Consortium for Research in Elastic Wave Exploration Seismology) Annual Meeting, Banff, AB
- 1991 Canadian Society of Exploration Geophysicists Convention and Geophysical Fair

1991	Canadian Sedimentology Research Group Meeting, Calgary, AB
1991	Western Division, Canadian Association Geographers Meeting, Calgary, AB
1990	Third International Conference on Ground Penetrating Radar, Denver, CO
1989	Second International Conference on Geomorphology, Frankfurt, Germany
1987	Society of Exploration Geophysicists Convention, New Orleans, LA
1987	Western Division, Canadian Association of Geographers Meeting, Burnaby, B.C.

PROFESSIONAL AFFILIATIONS

Member of

Association of American Geographers (AAG)
 American Association for the Advancement of Science (AAAS)
 American Geophysical Union (AGU)
 Canadian Geomorphology Research Group (CGRG)
 Environmental and Engineering Geophysical Society (EEGS)
 European Association of Exploration Geophysicists (EAEG)
 Geological Society of America (GSA)
 International Society for Archaeological Prospection (ISAP)
 International Association of Sedimentologists (IAS)
 Near-Surface Geophysics Section (NSG of SEG)
 Society of Exploration Geophysicists (SEG)
 Society of Sedimentary Geology (SEPM)

Academic and Research Associations:

- Associate Researcher - Bethsaida Excavations Project
- Adjunct - Associate Professor of Geophysics - Department of Earth, Ecological and Environmental Sciences, University of Toledo, OH

ACADEMIC SERVICE

Conference Organization

- Technical Program Committee – 12th International Conference on Ground Penetrating Radar, Birmingham, UK, June 15 – 19, 2008
- Session Chair (with William Johnson) – Quaternary Geology/Geomorphology – Geological Society of America Annual Meeting, Denver, CO, October 28-31, 2007
- Organizing Committee – 11th International Conference on Ground Penetrating Radar, June 19-22, 2006 (Technical Program)
- Chair (invited) – Sedimentology Session (Reviewed papers submitted and chaired session) – 11th International Conference on Ground Penetrating Radar, June 19-22, 2006
- Chair (with L. Conyers - invited) – Archaeology Session (Reviewed papers submitted and chaired session) – 11th International Conference on Ground Penetrating Radar, June 19-22, 2006
- Chair (invited) – Archaeology Session – at the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19th Annual Meeting, Seattle, WA, April 2-6, 2006.
- Chair (invited) – Geological Applications Session– at the 10th International Conference on Ground Penetrating Radar, Delft, The Netherlands, June 21-24, 2004
- initiated and co-organized (with G. Baker – University of Buffalo) and chaired session – Advances in Stratigraphic Analyses using Ground Penetrating Radar) - at the Annual Meeting of the Geological Society of America, Seattle, WA, November 2-5, 2003

- initiated and co-organized (with R. Young – University of Oklahoma) and chaired session - Subseismic resolution GPR Imaging - at the 72nd Annual Meeting of the Society of Exploration Geophysicists, Salt Lake City, UT, Oct. 6 –11, 2002
- chaired (invited) session - Reservoir Characterization and Time-lapse (RCT P1) - at the 72nd Annual Meeting of the Society of Exploration Geophysicists, Salt Lake City, UT, Oct. 6-11, 2002.
- chaired (invited) session – Sedimentology/Environmental Applications – at the 9th International Conference on Ground Penetrating Radar, Santa Barbara, CA, April 29 – May 2, 2002
- initiated, planned and ran a Topical Session at the Geological Society of America 2001 Meeting. T33 – Coastal Erosion Programs: Collaborative Research in Action. Geological Society of America, Annual Meeting, Boston, MA, November 1-10, 33(6).
- initiated, planned and successfully ran the first GPR in Sediments: Applications and Interpretations Conference with Charlie Bristow. Held at the Geological Society of London and the University College of London, London, England, August 20-21, 2001

Peer - Reviewer of Manuscripts

- 8 manuscripts reviewed in past year

Regular Proposal Reviewer for:

- National Science Foundation
- Petroleum Research Foundation

Graduate Advising

- University of Wisconsin-Milwaukee - MSc Geosciences – Andrew J. Mumpy, Title: Three-dimensional Architecture and Sedimentology of a Modern Braid Bar in the Wisconsin River: Analysis using Ground Penetrating Radar – May 2004, co-advisor
- advise students from various universities on data collection, processing and interpretation of ground penetrating radar data

University of Wisconsin-Eau Claire Committees (present and former)

- University Senate
- Center for Excellence in Teaching and Learning Advisory Council
- University Senate Technology Committee (presently Chair)
- Network for the Excellence in Teaching (NET) Advisory Council
- Recreation Advisory Committee
- Judicial Issues Committee
- Internal Review Committee - Physics and Astronomy Review
- University Search Committee for the Assistant Vice Chancellor and CIO
- University Research Council
- University Research and Creative Activity Council
- Thesis – co-supervisor (UW-Milwaukee)
- Riverbank Evaluation
- Computational Science committee (development of new minor)
- Phillips Hall Renovation committees
- Input to new Environmental Science minor

University and Departmental

- Graduate Faculty 1996 - present
- faculty mentor – incoming faculty
- lead organizer University of Wisconsin- Eau Claire - Earth Science Seminar Series (every Spring and Fall)
- organized “Sanctuaries” photo exhibition from Hartford School of Art. Exhibition which was held at the UWEC McIntyre Library (Spring 2008)
- organized visit by Dr. Richard Freund (multiple seminars – November 2006)
- organized “Baths, Burials and Beyond” photo exhibition from Hartford School of Art. Exhibition was held at the UWEC McIntyre Library (November, 2006)
- participated in University Alumni Gathering, Bellevue (April 2006)
- co-organized University Alumni Gathering, Chicago (March, 2006)
- lead organizer 2005/2006 (Spring and Fall) Earth Science Seminar Series
- organized “Holy Sites, Holy Sights” photo exhibition from Hartford School of Art. Exhibition was held at the UWEC Foster Gallery
- initiated and co-organized (with P. Ihinger and D. Faulkner) - Earth Science Seminar Series (Fall 2004)
- initiated and co-organized (with G. Running and D. Faulkner) - Physical Geography Seminar Series (Spring 2004)
- co-organized (with K. Havholm) a seminar by Glenn Berger (Desert Research Institute) – Dating sediment using fossil light: case histories in sand dunes and polar lakes.
- Geography Majors Day -aided in planning
- GIS Day - aided in planning
- Presentation “Thriving as Faculty” for New Faculty and Staff Orientation, UWEC (1998, 1999)
- Presentation to New Faculty and Academic Staff on the balance between teaching and research - request from the Dean's Office

Vice-President (2006 – present)

Coastal and Marine Geography Specialty Group of the Association of American Geographers

Secretary/Treasurer/Newsletter Editor (1999-2002)

Coastal and Marine Geography Specialty Group of the Association of American Geographers

University of Wisconsin System - Board of Regents Presentation

- on the Student/Faculty Research Collaboration Program at UWEC - requested by the Chancellors Office

Lecturer

- University of Wisconsin-Eau Claire - Continuing Education – Community Program on Explorations in Biblical Archaeology
- In-Service Training Day Speaker -Chippewa County - on Ground Penetrating Radar
- Wisconsin Geography Alliance - on Updates within in Remote Sensing and Geographic Information Systems

Faculty Advisor (1996-2002)

- Geography Club
- Geography Honors Society (Gamma Theta Upsilon)
- Participate in “Taking a Wing Under Your Wing” program

Technical Advisor

- advising universities, government institutions and industry on the use and purchase of Ground Penetrating Radar

Video Production

- invited participant in the *production of a film* entitled "Secrets of the Cave of Letters" The video was filmed during the research project that was conducted in Israel during the summer of 2000. The film is being produced by NOVA.
- invited participant in the *production of a video* entitled "Return to the Cave of Letters" The video was filmed during the research project that was conducted in Israel during the summer of 1999. (produced by University of Nebraska TV).
- video shot of Geography 491 class for university commercials
- invited participant in the production of the video "At Ocean's Edge: Coastal Change in Southwest Washington" (United States Geological Survey Production)

Graduate Representative

- Geography Department Graduate Program Review Committee
- Council of the Faculty of Graduate Studies
- Faculty of Graduate Studies Policy Committee
- Graduate Student Association
- Geography Department; Graduate Lounge Committee

Co-Registrar - Canadian Association of Geographers (Western Division, 1991)

Director at Large - Graduate Student Association (University of Calgary)

Undergraduate Representative - Geography Department Undergraduate Program Review Committee (Simon Fraser University)