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EDUCATION:

University of Utah, Salt Lake City, Advisor: Gerald W. Hohmann (deceased)
Ph.D. in electromagnetic geophysics, 1992
M.S. in electromagnetic geophysics, 1988
University of California, Berkeley
B.S. in geophysics with emphasis in earthquake seismology, 1978

FOCUS:

Bridging the gap between theory and application of electrical and electromagnetic geophysical methods in environmental, hydrological, geotechnical, crustal investigations, and natural resource exploration

PROFESSIONAL EXPERIENCE:

03/14 to date	President & Chief Scientist, Green Geophysics, Inc. Berkeley, CA
07/17 to date	Co-director, the Summer of Applied Geophysical Experience (SAGE), Santa Fe, NM
05/03 to 03/14	Manager Geophysical Services, Green Engineering, Inc., Anchorage, AK
06/03 to 07/17	Faculty, the Summer of Applied Geophysical Experience (SAGE), Santa Fe, NM
04/05 to 08/10	Consulting Professor, School of Earth Sciences, Stanford University, Palo Alto, CA
05/01 to 05/03	Consulting Geophysicist, Berkeley, CA
03/00 to 05/01	Visiting professor, Dept. of Earth Science, Aarhus University, Aarhus, Denmark
02/00 to 02/02	Senior scientist, University of Utah, Energy & Geoscience Institute, Salt Lake City, UT
01/99 to 01/00	Geophysicist, GSY-USA, Inc., San Francisco, CA
01/96 to 09/98	Staff Geological Scientist, Lawrence Berkeley National Laboratory, Berkeley, CA
06/93 to 06/02	Adjunct Faculty, the Summer of Applied Geophysical Experience (SAGE), Santa Fe, NM
05/92 to 01/96	Research Geophysicist, US Geological Survey, Branch of Geophysics, Denver, CO
From 1978	Field geophysicist in mineral and geothermal exploration geophysics, AK, and the western USA

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71. Braile, L.W., Baldridge, W.S., Jiracek, G.R., Biehler, S., Ferguson, J.F., Pellerin, L., McPhee, D.K., Bedrosian, P.A., Snelson, C.M., and Haster ok, D.P., 2011.,Field Geophysics at SAGE: Strategies for Effective Education: American Geophysical Union Annual Meeting, San Francisco, CA, USA
72. Jiracek, G.R., Zablowski, P., Castro, B., Le Pape, F., Biagini, B., Kennedy, M., Feucht, D.W., Pellerin, L., Bedrosian, P.A., Hasterok, D.P., Biehler, S., McPhee, D.K., and Ferguson, J.F., 2011, Geophysical Characterization by the SAGE Program of a Newly Proposed, Low Temperature-EGS Prospect in the Central Rio Grande Rift, New Mexico: American Geophysical Union Annual Meeting, San Francisco, CA, USA
73. Friedman, D., Hollingshaus, B., Lee, B., Wilson, C., Bedrosian, P. and Pellerin, L., 2012, Evaluating Transient Electromagnetic Data in a High Noise Environment: Symposium on the Application of Geophysics to Engineering and Environmental Problems, 25 , no. 1, 201-201.
74. Joiner C., Ferguson, J., Nolan, J., Gillies, P., Litherland, M., Johnston, G.,McPhee, D.K., and Pellerin, L., 2012, El Mapo Grande: A Geophysical Investigation of the San Marcos Pueblo, NM: Expanded Abstract for the Society of Exploration Geophysics, pp. 1-5 (5 pages), http://dx.doi.org/10.1190/segam2012-1387.1
75. Webb, S.,J, Ngobeni, D., Lee, S-A, Sepato, O., Jones, M., Abiye, T., Lee, M.D., Pellerin, L., Burrows, D., 2012, Time-lapse resistivity and geophysical measurements at Dayspring Children's Village: Expanded Abstract for the Society of Exploration Geophysics, pp. 1-5 (5 pages), http://dx.doi.org/10.1190/segam2012-1353.1
76. Jiracek, G.R., Feucht, D.W., Brown, D., Castro, B., Chang, J., Goff, D., Hardwick, C., Hollingshaus, B., Bowles-martinez8, E., Nakai, J., Wilson, C., Bertrand, E.A., Bennie, S., Caldwell, G., Hill, G.J., Wallin, E., Bedrosian, P.A., Hasterok, D.P. and Pellerin, L. 2012, Magnetotelluric Phase Tensor Applications to Geothermal Assessment in New Zealand and New Mexico: American Geophysical Union Annual Meeting, San Francisco, CA, USA
77. Pellerin, L., Gallegos, M., Goebel, M., Murphy, B., Smith, J., Soto, D., Swiatlowski, J., Volk, C., Welch, M., Feucht, D., Hollingshaus, B., Bedrosian, P.A., McPhee, D.K., 2012, Mapping the edge of the Cerros del Rio volcanic field, New Mexico: a piece of the puzzle to understanding a potential geothermal resource: American Geophysical Union Annual Meeting, San Francisco, CA, USA
78. Jones, D., Chu, S., Barghouty, L., Mostafanejad, A., Lasscock, B.,. McCormack, K., Bedrosian, P.A., Pellerin, L., 2013, Magnetotelluric Investigation of Structures Related to a Geothermal Anomaly in the Buckman Well field in the Rio Grande Rift, New Mexico: American Geophysical Union Annual Meeting, San Francisco, CA, USA
79. Grimes, K., Joiner, C.J., Musa, D., Allred, I., Delhaye, R., Zorin, N., Feucht, D.W., Johnston, G., Pellerin, L., McPhee, D.K., Ferguson, J.F, 2013, Archaeological Geophysics at the San Marcos Pueblo, New Mexico, USA: American Geophysical Union Annual Meeting, San Francisco, CA, USA
80. Pellerin, L., Schnabel, G.R., Schnabel, E., Moscoso, K.M., Brophy, P, 2013, Searching for Warm Waters at the Mt. Cobb Sai Sho Zen-ji: American Geophysical Union Annual Meeting, San Francisco, CA, USA
81. Poje, M.,S.,L. Berry, K., Brandt, T., Irwin, T., Creighton, A., MacLennan, K., Ferguson, J.F. and Pellerin, L., 2014, The San Marcos Pueblo Archaeological Site: A Review and Update of Ongoing Work by the Summer of Applied Geophysical Experience (SAGE): American Geophysical Union Annual Meeting, San Francisco, CA, USA
82. Adams, A., Moeller, M.M., Snyder, E., Workman, E., Urquhart, S., Bedrosian, P.A., and Pellerin, L., 2014, Geological Hypothesis Testing and Investigations of Coupling with Transient Electromagnetics: American Geophysical Union Annual Meeting, San Francisco, CA, USA
83. Derosier, B., Dennis, K.N., Plata-Martinez, R.O., Montahaei, M., Bedrosian, P.A. and Pellerin, L., 2014, Dimensionality and geological implications of a sparse magnetotelluric dataset: American Geophysical Union Annual Meeting, San Francisco, CA, USA
84. Liberty, L., Pellerin., and Jacobs., R., 2014, Introduction to the special section: Humanitarian geophysics, The Leading Edge, Vol. 33, No. 12, pp. 1328-1328.
85. Capello, M.A., Pellerin, L., and Bakamjian, T., 2015, Full Spectrum: The Leading Edge, Vol. 34, No. 6, pp. 708-714
86. Pellerin, L., Ferguson, J.F., McPhee, D.K., Creighton, A., Goldhagen, G., Skakun, M., Farrugia, D., 2016, Archaeological Investigation of the San Marcos Pueblo, NM by the Summer of Applied Geophysical Experience: Expanded Abstract for the Society of Exploration Geophysics: SEG Technical Program Expanded Abstracts 2016: 5078-5082.

87. Layton, M.E., Speed, C., Shukla, M., Vila, A., Chon, E., Kitamikado, C., Feucht, D.W, Bedrosian, P.A., and Pellerin, L., Electromagnetically Inferred Structure of the Caja del Rio Plateau, New Mexico 2016, : American Geophysical Union Annual Meeting, San Francisco, CA, USA
88. Wilson, A., Taylor-Offord, S., Rosado, A., Ly, P., Gonzales, J., Ferguson, J.F., McPhee, D.K., Pellerin, L., Civitello, J.A., Johnston, G., 2016, Geophysical Exploration of Tyuonyi Ruins in Bandelier National Monument, New Mexico, USA: American Geophysical Union Annual Meeting, San Francisco, CA, USA
89. Barker, J., Daneshvar, S., Langhans, A., Okorie, C., Parapuzha, A., Perez, N., Turner, A., Smith, E., Carchedi, C., Creighton, A., Folsom, M., Bedrosian, P.A., Pellerin, L., Feucht, D.W., Kelly, S., Ferguson, J.F., and McPhee, D.,K., 2017, Multi-scale, multi-method geophysical investigations of the Valles Caldera: American Geophysical Union Annual Meeting, New Orleans, LA USA
90. Sica, C., Graham, D., Peacock, E., Suen, C., Creighton, A., Carchedi, C., Feucht, D.W., Civitello, J.A., Jarret, J., Martin, C., Ferguson, J.F., McPhee, D.,K., and Pellerin, L., 2017, Geophysical Exploration of Tyuonyi Pueblo in Bandelier National Monument, New Mexico, USA: American Geophysical Union Annual Meeting, New Orleans, LA USA
91. Pratscher, K., Grab, J.B., Wang, T., Chi-Duran, R., Feucht, D., Bedrosian, P.A., Pellerin, L., 2018, Analysis of the Magnetotelluric Profile Data from the Española Basin, New Mexico: American Geophysical Union Annual Meeting, Washington DC, USA
92. Pellerin, L., Bedrosian, P.A., Ferguson, J.F., Feucht, D.W., Kelley, S., Lumley, D.E., McPhee, D., Mostafanejad, A., Peacock, J., and Ralston, M.D., 2019, Engaging Geophysics Students in the Field — the Summer of Applied Geophysical Experience (SAGE): American Geophysical Union Annual Meeting, San Francisco, CA, USA

INVITED TALKS:

1. University of California, Berkeley, Engineering Geosciences Seminar: "Use of transient electromagnetic inversion for correction of the magnetotelluric static shift" (9/88)
2. San Diego Supercomputer Center Seminar: "3D Visualization of transient electric fields" (9/89)
3. The Association for Women Geoscientists, Salt Lake Chapter Seminar: "3D Visualization of transient electric fields" (11/89)
4. Schlumberger–Doll Research Seminar: "A numerical study of the vertical electric source in a 3D earth" (9/91)
5. SEG mini–workshop on electrical methods – a poster and talk: "Evaluation of electromagnetic techniques in geothermal exploration" (9/92)
6. International Workshop on Airborne Electromagnetic Methods, Univ. of Arizona: "Interpretation of a low–level helicopter electromagnetic survey flown over the Idaho National Engineering Laboratory" (9/93)
7. U.S. DOE Buried Waste Integrated Demonstration Geophysics Workshop: " Interpretation of a low-level helicopter electromagnetic survey flown over the Idaho National Engineering Laboratory" (9/93)
8. U.S. Department of Energy Buried Waste Integrated Demonstration Geophysics Workshop: "VETEM – a Very Early Time Electromagnetic System (9/93)
9. ERIM Thematic Conference on Geological Remote Sensing: "New technologies in environmental characterization at the Branch of Geophysics" (2/93)
10. U.S. Department of Energy Buried Waste Integrated Demonstration Exhibition: "Interpretation of a low-level helicopter electromagnetic survey flown over the Idaho National Engineering Laboratory" (7/93)
11. U.S. Department of Energy Buried Waste Integrated Demonstration Exhibition: "VETEM, a very early time electromagnetic system" (8/94)
12. National Academy of Sciences, Seeing Into the Earth Workshop: "VETEM, a very early time electromagnetic system" (10/95)
13. Stanford University, Department of Geology and Geophysics Seminar: "Environmental Geophysics" (3/96)
14. Aarhus University, Denmark, Geophysical Earth Science Seminar: "VETEM, a very early time electromagnetic system" (9/96)
15. University of Köln, Germany, Seminar: "VETEM, a very early time electromagnetic system" (9/96)
16. BGR (German Geological Survey), Hannover, Germany, Geophysical Seminar: "VETEM, a very early time electromagnetic system" (9/96)
17. Environmental and Engineering Geophysical Society – European Section Annual Meeting, Aarhus, Denmark, plenary session speaker: "Environment investigations within government facilities in the US" (9/97)

18. Nordic workshop on the environment, Lund, Sweden: “Environmental investigations in the USA” (9/97)
19. National Academy of Sciences Workshop: “Verification of subsurface barriers’ (9/97)
20. Aarhus University, Denmark, Dept. Of Earth Science Seminar: “Exploration at the South Pole” (9/98)
21. Uppsala University, Sweden, Dept. Of Geosciences Seminar: “Exploration at the South Pole” (9/98)
22. University of Köln, Germany, Dept. Of Earth Science Seminar: “Exploration at the South Pole” (9/98)
23. ETH, Zurich, Switzerland, Dept. Of Earth Science Seminar: “Exploration at the South Pole” (9/98)
24. Bay Area Geophysical Society, monthly meeting: “Exploration at the South Pole” (2/99)
25. Association for Women Geoscientists, Annual Award Banquet: “Exploration at the South Pole” (4/99)
26. Aarhus University, Denmark, Dept. Of Earth Science Seminar: “Subsurface Barrier Verification” (11/99)
27. Danish Greenland Geological Survey, Copenhagen, Denmark: “Exploration at the South Pole” (11/99)
28. Norwegian Geological Survey, Trondheim, Norway, Distinguish lecturer seminar: “Exploration at the South Pole” (12/99)
29. University of Wisconsin, Madison, Distinguish lecturer seminar: “Subsurface Barrier Verification” (1/00)
30. University of Wisconsin, Madison, Geo Club monthly meeting: “Environmental Investigations” (1/00)
31. 15th International Workshop on Electromagnetic Induction in the Earth, Cabo Frio, Brazil: “Applications of Electrical and Electromagnetic Methods for Environmental and Geotechnical Investigations (8/00)
32. Engineering and Environmental Geophysical Society – European Section Annual Meeting, Birmingham, UK: Environmental and engineering geophysics in the USA in 2001 (8/01)
33. Alaska Miner Association Annual Meeting, Anchorage, AK: “Geophysical investigations related to the mineral potential of southcentral Alaska: A summary of results from the Talkeetna Mountains Transect project” (11/02)
34. Society of Exploration Geophysics Summer Research Workshop on Hydrogeophysics, Vancouver, BC, Mapping Large Areal Coverage and Deep Sounding Depths – EM Methods for the Regional Watershed Scale (07/06)
35. National Groundwater Association annual meeting, Las Vegas, NV, Geophysics for Geologic and Hydrostratigraphic and Aquifer Basin Mapping (12/06)
36. National Groundwater Association annual meeting, Orlando, FL, Geophysical Technology for Groundwater Resource Evaluation: Electrical and Electromagnetic Methods, (12/07)
37. American Geophysical Union, The use of Near-surface Geophysics in Evaluating and Assessing Natural Hazards, San Francisco, CA, (12/07)
38. The German Geophysical Society, The role of Electrical and Electromagnetic Modeling and Inversion in Near-surface Applications, Freiburg, Germany (3/08)
39. Stanford University, The role of Electromagnetic Modeling and Inversion in Near-surface Applications, Palo Alto, CA (2/09)
40. Colorado School of Mines, Heiland Lecture, The role of Electromagnetic Modeling and Inversion in Near-surface Applications, Golden, CO (3/09)
41. University of Kansas, The role of Electromagnetic Modeling and Inversion in Near-surface Applications, Lawrence KS (10/12)
42. University of California Berkeley, The role of Electromagnetic Modeling and Inversion in Near-surface Applications, Berkeley, CA, (10/12)
43. University of Aarhus, Imaging Levees, Aarhus. Denmark (8/13)
44. University of Witswaterand, Electromagnetic Methods in Near-surface Applications, Johannesburg, South Africa (10/13)
45. University of San Francisco, Near-surface Geophysics, San Francisco, CA (9/17)
46. University of Arizona, Tucson, The EarthScope MT USArray, Tucson, AZ (11/18)
47. University of Wyoming, The MT Array, online (11/20)
48. COOPERATE EM Webinar, The MT Array (2/21)

PROFESSIONAL SERVICE/MEMBERSHIP/HONORS:

Alaska Mining Association
Member 1978 to 1984, 2002 to date
American Association for the Advancement of Science (AAAS)
Member 1999 to date
American Geophysical Union (AGU)

Member 1985 to date
Founding member Near-Surface Geophysics Focus Group, 2005 to date
Vice Chair Near-Surface Geophysics Focus Group, 2008- 2010
President of the Near Surface Geophysics Focus Group, 2010-2012
Council member 2010-2012
Meeting Committee member, 2013-2014
General Secretary (treasurer), term 2015-2018

Association for Women Geoscientists (AWG)
Founding member 1977 to date
Founding president Salt Lake chapter 1989-1991
National Board of Director – SF Bay Area Chapter delegate 1997-1999
Brunton Award committee chair 2005 to 2022
Enhance Award, 2008
AWG Foundation President/past President 2009-2011/2011-2013

Australian Society of Exploration Geophysicist (ASEG)
Member 2003 to date

Bay Area Geophysical Society
Member 1996-date
Secretary 2013-2015

Consortium of Universities for the Advancement of Hydrologic Sciences
Hydrologic Measurement Facility (HMF) 2005-2007
Member of the Geophysics Module 2005-2007

Environmental & Engineering Geophysical Society (EEGS)
Founding member 1992 to 2018
Organizer/moderator all–day workshop on Electromagnetics at SAGEEP, Boston, MA, 1994
Co–chair research committee 1995–1997
General meeting chair SAGEEP ’99, Oakland CA

European Association of Geoscientists and Engineers
Member 1996 to date
Associate editor *Journal of Near Surface Geophysics*, 2002-2006
Editor Hydrogeophysics: Methods and Processes, 2009, ISBN Number978-90-73781-75-7, 661 pg

Gerald W. Hohmann Memorial Trust
Trustee 1995 to date

Nordic Summer Course in Environmental Geophysics (NorFA)
Lecturer in electromagnetic geophysics, 1998

Reviewer for:
Department of Energy
Geophysical Prospecting
Geophysics
Journal of Applied Geophysics
Journal of Environmental and Engineering Geophysics
Journal of Near Surface Geophysics
Mine Safely and Health Administration
US Geological Survey
Irish Science Foundation
University of Uppsala, Sweden

Society of Exploration Geophysicist (SEG)
Member 1980 to date
University of Utah student chapter, president 1989-90
Founding member Near Surface Geophysics Section (NSGS) 1993 to date
Associate editor for *Geophysics*, electromagnetic and electrical methods, 2002-2006
Near Surface Geophysics Section VP/President-Elect/President/past-President, 2004/2005/2006/2007
2nd Vice President 2007-2008

Geoscience Without Borders founding committee member, 2008-2010
Governance Review Committee, 2008-2011
Publication committee member, 2008-date
Youth Education committee chair 2007-2008, member 2008-2009
Recipient of the NSGS Harold Mooney Award, 2009
Bylaws Committee member 2009-2011, chair 2011-2013
American Geoscience Institute Representative, 2012 to date
Distinguish Lecturer Committee member 2008-date, chair 2013-2015
Women's Networking Committee founding member 2013-2022
Life Membership awarded 2014

CLIENTS, SUBCONTRACTORS, COLLABORATORS – PAST AND PRESENT

Aarhus Geophysics Aps
Adam Schultz, Oregon State University
AMEC Geomatrix Consultants, Inc
Andrew Frassetto IRIS/EarthScope
Argus Geophysics
Buelent Tezkan, Univ of Cologne, DE
California Department of Water Resources
Condor Engineering
Danny W Feucht, ORMAT
Darcy K. McPhee, US Geological Survey
David L. Alumbaugh, Lawrence Berkeley National Lab
David E Lumley, University of Texas, Dallas
Dragonfly Air LLC
ElectroMagnetic Instruments (EMI), a Schlumberger company
Esben Auken, Aarhus University, DK
Esther Babcock, Logic Geophysics
Flur Hanford
Geometrics
Geonics
GeothermEx, a Schlumberger Company
GroundMetrics, Inc
HydroGeophysics Group, University of Aarhus, DK
IRIS EarthScope Magnetotelluric Transportable Array
Jacobs Engineering
John Ferguson, University of Texas, Dallas
Kerry Key, BlueGreen Geophysics
Klaus Spitzer, Technische Universitat Bergakademie Freiberg, DE
Lawrence Braile, Purdue University
Lee D. Slater, Rutgers University
Lee Liberty, Boise State University
NEOS GeoSolutions
Nevada Star Resource Corp.
Paul A. Bedrosian, US Geological Survey
Philip E Wannamaker, University of Utah
Rosemary Knight, Stanford University
Schlumberger Water Services
Sensors & Software
Shari Kelly, Bureau of Geology and Mineral Resources New Mexico
SkyTEM Aps
Southern Nevada Water Authority
Steven Constable, UC San Diego
Susan Webb, University of Witwatersrand, ZA
Tremaine and Associates
US Army Corp of Engineers
URS Corporation
US Dept of Labor, Mine Safety and Health Administration
US Geological Survey, Alaska Science Center, Denver, and Menlo Park
Victor Pankratius, Massachusetts Institute of Technology
Zonge International

Louise Pellerin, 14 November 2022