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Dept of Philosophy and Religion Studies
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Currently

Professor, Dept of Philosophy, University of North Texas; Director, *Center for the Study of Interdisciplinarity*; Co-Director, *Center for Space Exploration Policy Research*; Advisory Committee, UNT Field Station, Cape Horn, Chile

AOS Environmental Ethics and Philosophy; Continental Philosophy; Science and Technology Studies; Philosophy of Science Policy

AOC History of Philosophy and the areas under 'courses taught.'

Education

1981: BA, History and Philosophy, St. Louis University, *Magna cum Laude*

1988: Ph.D., Philosophy, Pennsylvania State University

1996: MS, Earth Sciences, University of Colorado

Appointments

2008-	Founding Director, Center for the Study of Interdisciplinarity
2008	Chair and Professor, Dept of Philosophy and Religion Studies, UNT
2004-2008	Chair and Associate Professor, Dept of Philosophy and Religion Studies, UNT
2002-2004	University of Colorado (Research Scientist III, Center for Science & Technology Policy Research)
2001-2002	Hennebach Visiting Professor in the Humanities, Colorado School of Mines
1999-2001	US Geological Survey (Consultant, Center for Science Policy)
Fall, 1999	Northern Arizona University (Invited professor, Grand Canyon Semester)
Spring, 1999	El Paso Natural Gas Fellow, University of Colorado Law School
1997-1999	University of Tennessee, Chattanooga (Assistant Professor)
1996-1997	Fort Lewis College (Visiting Assistant Professor)
1993-1996	work toward a master's degree in the Earth Sciences
1992-1993	Fort Lewis College (Visiting Assistant Professor)
1988-1990	University of Texas, Pan American (Assistant Professor)
Spring, 1988	Eckerd College (Visiting Assistant Professor)

Courses Taught

Environmental Ethics; Science, Philosophy, and the Environment; Philosophy of Science and Nature; Philosophy of Science Policy; Philosophy in the Earth Sciences; Public Humanities; Philosophy of Science and Engineering; Philosophy of Culture and Technology; Ethics and the Professions; Social Philosophy; History of Political Philosophy; Metaphysics; 19th & 20th Century Philosophy; Aesthetics; Seminar in Post-Modernism; Philosophy of Science; History/Philosophy of Technology; Ethics; Contemporary European Philosophy; Philosophy of Religion; Ancient Philosophy; Senior Capstone; Intro to the Humanities; Intro to Philosophy; Intro to Logic; Ethics in Science; Heidegger's *Being and Time*, Seminar in Environmental Ethics

Single-authored Book

Geo-Logic: Breaking Ground between Philosophy and the Earth Sciences: SUNY Press, 2003

Current Book Project

Interdisciplinarity and the Limits of Knowledge (3 of 8 chapters completed)

Edited Volumes

6. Co-Editor, with Baird Callicott, *Encyclopedia of Environmental Ethics* (2 volumes, 320 entries), Cengage Publishing, 2008
5. "New Orleans and Katrina," *Science and Technology* (co-editor; winter 2006)
4. "Philosophy of Science Policy" (guest editor, with Carl Mitcham), *Philosophy Today* special supplement, 2004
3. *Rethinking Nature: Essays in Environmental Philosophy* (co-editor, with Bruce V. Foltz): Indiana University Press, 2004
2. *New Directions in the Earth Sciences and the Humanities*, a special issue of the *Colorado School of Mines Quarterly* (co-editor, with Carl Mitcham), 2003
1. *Earth Matters: the Earth Sciences, Philosophy, and the Claims of Community* (Editor): Prentice-Hall, 2000

Forthcoming Edited Volumes

2. Editor in Chief, *The Oxford Handbook of Interdisciplinarity*, Oxford University Press, 2009
1. Co-Editor, with Juan Armesto and Ricardo Rozzi, "Conserving Frontier Ecosystems: Scientific, Philosophic, and Policy Dimensions," special issue of *Environmental Ethics*, 2008

Grants/Awards

20. PI, "Comparative Assessment of Models for Integrating Societal Impacts Concerns into the Peer Review of Grant Proposals," NSF, \$394,000, 3 yrs beginning September 2008.
19. Participant, Fondos Basales Grant in support of the UNT-IEB Chile Field Station, CONICYT (Chilean NSF), \$15 million (\$1.5mil/10 years), December, 2007.
18. Co-PI, Workshop on NSF's 2nd Criterion, August 5 & 6, 2007; National Science Foundation, \$24,692 (with postdoc PI Britt Holbrook).
17. Co-PI, Workshop, "Frontier Ecosystems in Chile: Scientific, Ethical, and Policy Perspectives," to be held in central Chile, March 15-24, 2007; National Science Foundation, 54,348.
16. Co-PI, "Space Science, Environment Ethics, and Policy," held in April, 2007; at NASA-Ames, National Science Foundation, \$28,432
15. PI, "New Orleans, Katrina, and the Mississippi Delta: Lessons from the Past, Lessons for the Future;" National Science Foundation, \$48,437, March, 2006.
14. Senior Personnel, Center for Space Exploration Policy Research, Southwest Research Institute (SwRI internal grant \$198,000 total; \$34,000 directed to me)
13. Economic and Social Research Council (ESRC) fellowship to visit Lancaster University, England, to work on the connections between environmental philosophy and biotechnology, spring 2005, \$8000.
12. PI, "Cities and Rivers: Interdisciplinary and International Perspectives," St. Petersburg, Russia, National Science Foundation, \$54,442.
11. PI, "The New Directions Initiative: Integrating Ethics and Values into Science-Society Relations," National Aeronautics and Space Administration, \$146,000.
10. PI, "Flatirons Outdoor Classroom Workshop," Funded for the summer 2003, National Science Foundation, \$37,000.

9. PI, "Flatirons Outdoor Classroom Project," funds raised within community, \$48,000; Flatirons Crossing Arts and Music Fund, \$2500.
8. P.I., "Climate Modeling and Societal Impacts: Scientific, Political, and Philosophic Themes," An interdisciplinary REU program in science, philosophy, and public policy funded for the summers of 2001-2003, National Science Foundation, \$231,000.
7. P.I., "New Directions in the Earth Sciences and Humanities: Experiments in Interdisciplinarity," \$182,000 (from NSF, NEH, NASA, NCAR, and the EPA, and a consortium of universities)
6. PI & Director, "Humanities in the Park" internship program: \$5000 from the University of Colorado Institute for Global Change and Environmental Quality, and \$5000 from the Woodrow Wilson National Fellowship Fund, AY 2000-2001 (renewal of AY 1999-2000 program, also funded at \$10,000)
5. P.I. & Director, "Southwest Earth Studies Program," an interdisciplinary REU program in science, philosophy, and public policy, National Science Foundation, 1997-1999; \$245,000
4. 1999 El Paso Energy Fellow, Natural Resources Law Center, University of Colorado Law School, Spring, 1999, \$25,000
3. PI, "Future Funding Priorities in the Earth Sciences: Philosophical Perspectives," a workshop sponsored by the National Science Foundation to author a white paper of recommendations to the National Academy of Sciences, March 5th-7th, 1999, Boulder, CO, \$25,000
2. Invited Professor, "1999 Grand Canyon Semester," sponsored by the National Collegiate Honors, Grand Canyon National Park, the Grand Canyon Trust, and Northern Arizona University, Flagstaff, AZ, Fall, 1999
1. Co-Chair, "Conversations with the Earth: Philosophers and Geoscientists in Dialogue," a symposium to be held at the 1998 GSA Annual Meeting, Toronto, October 27, 1998; supported by the Geological Society of America, \$2670

Peer-Reviewed Articles

55. "Aquifers," *Encyclopedia of Environmental Ethics and Philosophy*, Cengage Publishing, 2008
54. "The Significance of Geologic Time" (with Cinzia Cervato), *Journal of Geoscience Education*, forthcoming.
53. "Philosophy Unbound: Environmental Thinking at the End of the Earth," *Environmental Ethics*, Vol. 30, no. 3 (2008)
52. "Redefining Ecological Ethics: Science, Policy, and Philosophy at Cape Horn," *Science and Engineering Ethics*, 2008.
51. Co-author, with Carl Mitcham, "New Directions in Interdisciplinarity: Broad, Deep, and Critical," *Bulletin of Science, Technology, and Society*, Vol. 27 (Fall 2007) no. 6; pp. 506-514.
50. Co-author, with Britt Holbrook, "Answering NSF's Question: What are the Broader Impacts of the Proposed Activity," (AAAS *Professional Ethics Report*, Vol. XX, No. 3, summer 2007).
49. "Transforming Environmental Ethics," *The Aesthetics of Stone and Rock*, Maahenki Oy, Helsinki (in Finnish) Yrjö Sepänmaa, Liisa Heikkilä-Palo and Virpi Kaukio, eds, forthcoming.
48. "Geoesthetics: New Orleans, Landscape, and Geology," *Contemporary Aesthetics*, 5 (2007), published at <http://www.contempaesthetics.org/newvolume/pages/article.php?articleID=489>.
47. "Mini-Symposium on Cities and Rivers: Introduction," *Nature and Culture* 2(2), Autumn 2007.
46. "Nueva Orlen, paisaje y eros," ("New Orleans, Landscape, and Eros,") *Revista Iberoamericana de Ciencia, Tecnologia y Sociedad*, vol. 8, no. 3 (April 2007), pp. 81-96.
45. "The Future of Environmental Philosophy," *Ethics and the Environment*, Vol. 12, No. 2, pp 2-4.
44. Co-author, with Britt Holbrook, "Science's Social Effects," *Issues in Science and Technology*, spring, 2007; can be found at http://www.issues.org/23.3/p_frodeman.html.
43. Co-author, with Erin Moore Daly, "Separated at Birth, Signs of Rapprochement: Environmental Ethics and Space Policy," *Ethics and the Environment*, Vol. 12, No. 4, pp. 36-47.
42. Co-author, with Carl Mitcham, Julie Thompson Klein, and Nancy Tuana, "Interdisciplinary Studies in Science, Technology, and Society: "Introduction," *Technology in Society Special*

- Issue on Katrina and New Orleans, special issue, February, 2007.
41. Co-author, "White Paper on the Ethical Dimensions of Climate Change," issued in Nairobi, Kenya at the UNFCCC COP-12, November 12, 2006.
 40. "Introducing a Policy Turn in *Environmental Philosophy*, (with Adam Briggles and J. Britt Holbrook), *Environmental Philosophy*, winter, 2006.
 39. "The Visible and the Invisible: Philosophic and Policy Dimensions of Nanotechnology," *Science as Culture*, winter, 2006.
 38. "The Role of Humanities Policy in Public Science," in *Public Science in Liberal Democracies*, University of Toronto Press, 2006.
 37. "The Policy Turn in Environmental Philosophy," *Environmental Ethics*, Vol. 28, no. 1. Spring, 2006.
 36. "Space Policy and Humanities Policy," *EOS*, May 24, 2005.
 35. "Science Policy," (second author, with C. Mitcham) *Encyclopedia of Philosophy*, MacMillan Reference, 2005.
 34. "Acid Mine Drainage," *Encyclopedia of Science, Technology, and Ethics*, MacMillan Reference, 2005.
 33. "Global Climate Change," *Encyclopedia of Science, Technology, and Ethics*, MacMillan Reference, 2005.
 32. "Knowledge," (with C. Mitcham), *Encyclopedia of Science, Technology, and Ethics*, MacMillan Reference, 2005.
 31. "Decision Support," (second author, with R. Harrap), *Encyclopedia of Science, Technology, and Ethics*, MacMillan Reference, 2005.
 30. "Place," *Encyclopedia of Science, Technology, and Ethics*, MacMillan Reference, 2005.
"Creating a 'Humanities Policy': New Directions in the Earth Sciences and Humanities," *AIS Newsletter*, MacMillan Reference, 2005
 29. "Environmental Philosophy and the Shaping of Public Policy," *Environmental Philosophy*, Vol. 1, No. 1, pp. 7-16 (2004).
 28. "The Policy Implications of the NSF Second Criterion," *Ogmios*, second author with Britt Holbrook, fall, 2004.
 27. "Philosophy in the field," in *Soils, Stones and Symbols: Archaeological and Anthropological Perspectives on the Mineral World*, Nicole Boivin & Mary Ann Owoc, eds., 2004.
 26. "Prolegomena to a Future Humanities Policy," *Philosophy Today*, special supplement, 2004.
 25. "Humanities Policy—and a Policy for the Humanities," (first author, with R. Pielke and C. Mitcham), *Issues in Science and Technology*, Fall 2003, p. 29-32.
 24. "Initiative Bridges Gap Between Humanities, Science, and Society," *EOS*, 22 April, 2003.
 23. "A Plea for Balance in the Public Support for Science," (second author, with C. Mitcham) *Technology in Society*, vol. 23, no. 4, 2002 (Science and Technology Policy" volume).
 22. "What is it Like to be a Geologist?" (second author, with T. Raab), *Philosophy and Geography*, Volume 5, Number 1 (February 01, 2002), pp.69-81.
 21. Bullock, M.A., and R.L. Frodeman, "Undergraduates study Climate Change Science, Philosophy, and Public Policy," *Eos* 83, 23, 2002
 20. "Corrosive Effects: Environmental Ethics and the Metaphysics of Acid Mine Drainage," (invited paper), *Research in Phenomenology*, Vol. XXXI (2001), pp. 156-172.
 19. "Questioning Interdisciplinarity," (first author, with C. Mitcham and A.B. Sacks), *Science, Technology, and Society Newsletter*, Nos. 126 & 127 (Winter/Spring 2001), pp. 1-5.
 18. "Science and the Public Self," *Technology in Society*, vol. 22, number 3, (Summer, 2000), pp. 341-352.
 17. "Beyond the Social Contract Myth: Integrating Science and the Common Good," (first author, with Carl Mitcham), *Issues in Science and Technology*, vol. XVI, no. 4 (Summer, 2000), pp. 37-41.
 16. "Toward a Sense of the Whole: Understanding Acid Mine Drainage in the West," in *Earth Matters: the Earth Sciences, Philosophy, and the Claims of Community*, Robert Frodeman, ed., Prentice-Hall, 2000. Anthologized in *Environmental Philosophy: From*

- Animal Rights to Social Ecology*, Michael E Zimmerman, et al., editors (New York: Prentice-Hall 2004).
15. "Geophilosophy: Philosophers and Geoscientists Thinking Together on the Future of the Earth Sciences" (first author, with Carl Mitcham), *GSA Today*, v. 9, no. 7 (July, 1999). pp. 18-19.
 14. "Bringing Philosophy Down to Earth" (first author, with Carl Mitcham), *Hastings Center Report*, vol. 29, no. 3, May-June, 1999, p. 47-48.
 13. "Research Priorities in the Geosciences: Philosophical Perspectives." *The Board on Earth Sciences and Resources, National Research Council*, (first author, with Carl Mitcham), 1999, at http://www7.nationalacademies.org/besr/research_priorities.html.
 12. "The Rebirth of Gaia and the Closure of Homo Technologicus," *Research in Philosophy and Technology: Vol. 18, Philosophy of Technology and Environmental Philosophy*, Marina Banchetti, ed. (Stamford, CN: JAI Press), 1999.
 11. "The Epistemology of the Earth Sciences," *Geoscience in the Secondary School Curriculum/ Geociências nos Currículos dos Ensinos Básico e Secundário* (Bi-lingual edition: English-Portuguese), Aveiro: Universidade de Aveiro Press, Portugal, 1998.
 10. "Rethinking Geology's Role: The Earth Sciences and the Public Sphere," *Geotimes*, March, 1997, pp. 22-26.
 9. "Philosophy at 10,000 Feet," *Science, Technology, and Society Newsletter*, No. 113 (fall, 1997)
 8. "Envisioning the Outcrop," *J Geoscience Education*, v. 44 (September, 1996), pp. 417-427.
 7. "The Rhetoric of Science," *GSA Today*, v. 6, no. 8 (August, 1996). pp. 12-13.
 6. "Geology in a Post-Industrial Society", (first author, with Christine Turner); January, 1996, *Journal of Geological Education*.
 5. "Geological Reasoning: Geology as an Interpretive and Historical Science"; *Geological Society of America Bulletin*, August, 1995, vol. 107; no. 8, pp. 960-968.
 4. "Radical Environmentalism and the Political Roots of Post-Modernism: Differences that Make a Difference"; *Environmental Ethics*, vol. 14, no. 4 (winter, 1992), pp. 307-19. Reprinted in *Postmodernist Environmental Ethics*, Max Oelschlaeger, ed., SUNY Press, 1995, pp. 121-136.
 3. "Geology includes Philosophy, Politics" *AAPG American Association of Petroleum Geologists Explorer*, August, 1995.
 2. "Being and Space: A Re-Reading of Existential Spatiality in Being and Time"; *The Journal of the British Society for Phenomenology*, vol. 23, no. 1 (spring, 1992), pp. 23-35
 1. "Ecology and the Limits of Community"; *Contemporary Philosophy*, vol. XIII, no. 7, Jan/Feb 1991, pp. 15-20.

Book Reviews

5. Gerhard Sonnert, *Ivory Bridges: Connecting Science and Society*, MIT Press, 2002, in *Contemporary Sociology: A Journal of Reviews*, 2003, 32, 4, July, 468-469
4. Klein, Julie Thompson, et al., eds. *Transdisciplinarity: Joint Problem Solving among Science, Technology, and Society*. Basel, Switzerland: Birkhuser Verlag, 2001. xiii + 332 pp., reviewed in *Science, Technology & Human Values*, (w/ C. Mitcham), 1 January 2003, vol. 28, no. 1, pp. 180-183(4).
3. *Research in Philosophy and Technology: Vol. 16, Technology and Social Action*, Carl Mitcham, ed., in *Bulletin of Science, Technology, and Society*, No. 6 (Dec. 1997), pp. 121-123.
2. Bruce Foltz, "Inhabiting the Earth," *Environmental Ethics*, vol. 19, no. 1 (Spring, 1997), pp. 108-110.
1. Carl Mitcham, "Thinking through Technology," *Environmental Ethics*, vol. 18, no. 1 (spring, 1996), pp. 111-112.

Meetings Organized

4. Co-Organizer, "Making Sense of 'Broader Impacts,'" Colorado School of Mines, August 6-8, 2008.
3. Co-Organizer, "The Future of Environmental Philosophy," a by-invitation meeting of 15 prominent environmental philosophers at the University of North Texas, February 2 & 3, 2007.
2. 2008-2010, Co-Organizer, "Seeing the Connections between Environmental Philosophy and the Philosophy of Technology," (with Twente University and the Colorado School of Mines)
1. 2004-2009, Co-organizer, Annual Joint ISEE/IAEP Conference in Environmental Philosophy, Allenspark, CO.

Selected Presentations/Lecture Series (since 1994)

80. Invited Participant, "Synthesis in the Geosciences," a week-long retreat in New York State, June 20-27, 2008, funded by the NSF.
79. "Development, Protection, and Restoration in Wilderness-Development Frontiers," Ecological Society of America Annual Meeting, Santa Clara, CA, August 7, 2007.
78. "Critical Interdisciplinarity," *Tensions and Trends in Interdisciplinary Research*, Helsinki, Finland, June 16, 2007.
77. "Assaying Geology," Plenary Speaker, *Aesthetics of Stone and Rock*, Koli, Finland, June 11, 2007.
76. "Space Science, Environmental Ethics, and Policy: Philosophical Vignettes," NASA-Ames, April 14, 2007
75. "Political Philosophy and Space Governance," Boston Space Conference, April 13, 2007
74. "Environmental Ethics of Space," Denver Museum of Nature and Science, April 11, 2007
73. "The Philosophy of Science Policy," University of Chile, Santiago, March 26, 2007.
72. "Double Takes: Contrarian Views of NSF's 2nd Criterion," University of South Florida, Tampa, March 2, 2007
71. Workshop Leader, The Future of Environmental Philosophy, University of North Texas, February 9-10, 2007
70. Workshop Organizer, Interdisciplinary Education and Research, University of Bielefeld, Germany, November 13, 2006
69. "Humanities Policy," 4S/PSA meeting, Vancouver, Canada, November 4, 2006.
68. "Contradictions within the Culture of Expertise," Conference on Knowledge Production, Hamburg, October 10, 2006
67. "The Role of the Humanities in Resolving Environmental Controversies," plenary speaker at the Second International Conference on Environmental Science and Technology, Houston, TX, August 19, 2006; and at the Dallas Center of Humanities and Culture, October 25, 2006.
66. "Science, Policy, and Philosophy at Cape Horn," 91st annual Ecological Society of America meeting, Memphis, TN, August 9, 2006.
65. "Bringing the Humanities into the Policy Sciences: the New Directions Example," Delft, Holland, July 20, 2005.
64. "On the Use and Abuse of Knowledge for Life," IMLAB Postgraduate Conference, Lancaster University, April 29, 2005
63. "The Policy Turn in Environmental Philosophy," University of Wales, Bangor, April 8, 2005
62. "Using Environmental Ethics in a Government Agency: A Personal Experience," Association for Professional and Applied Ethics, San Antonio, Texas, Feb 28, 2005
61. "The Death of Environmentalism—and After," Fort Lewis College, Durango, CO, Feb 21, 2005
60. "Humanities Policy: what it is, and Why it's Needed," Policy Center Speaker's Series, University of Colorado, November 1, 2004.
59. "The Role of Humanities Policy in Public Science," Public Science in Liberal Democracy, University of Saskatchewan, Oct 16, 2004
58. "The Visible and the Invisible: Representing Nanoscience and Technology." 4S/EASST meeting,

- Paris, Aug 28, 2004
57. "The Policy Turn in Environmental Philosophy," International Association for Environmental Philosophy, Boston, MA, November 9, 2003; University of North Texas, February 6, 2004.
 56. "Interdisciplinary Research and Pedagogy across the Sciences and the Humanities: The Global Climate Change Example," Biocomplexity LWI/CC Workshop, Wrigley Marine Science Center, University of Southern California, Catalina Island, California, October 4, 2003,
 55. "Philosophy of Science Policy," NEH Seminar, *Dialogues on Two Cultures*, University of Colorado, April 3 and 4, 2003.
 54. "Philosophy of (Field) Science," Penn State University, February 28, 2003.
 53. "A Philosophy of Global Climate Change," *Socially Robust Ecological Design* workshop, University of Bielefeld, Germany, October 5, 2002.
 52. "The Future of Biotechnology," Columbia University Center for Science, Policy, and Outcomes, July 19, 2002.
 51. "The New Directions Initiative: A Case Study in Inter-and Transdisciplinarity," University of Bielefeld, Germany, April 29, 2002.
 50. "Social and Political Implications of Technology," (1 week of lectures), School of Technology and Management, Reims Management School, Reims, France, April 22-26, 2002.
 49. "Geopoetry," and "Science and the Public Self," University of North Texas, March 28 and 29, 2002.
 48. Workshop Leader, Biosphere2, Arizona, March 22-24, 2002.
 47. Invited Workshop Leader, *Environmental Sustainability and the Humanities*, Associated Colleges of the South, Southwestern University, Georgetown, Texas, March 1, 2002.
 46. "Geology and Geopoetry," Environmental Philosophy Program, Eckerd College, Grand Canyon National Park, AZ, January 17, 2002.
 45. "Global Climate Change and Society," American Geophysical Union, San Francisco, CA, December 12, 2001.
 44. Keynote Address, ESS Common Ground Workshop, Geological Survey of Canada, Vancouver, December 6-7, 2001.
 43. "Environmental Philosophy, Gender, and Environmental Justice," Faculty of Cross-Cultural Studies, Kobe University, Japan, November 4, 2001.
 42. "Border Crossings: Rethinking the Boundaries between the Earth/Environmental Sciences and Society" (4 lectures), 2001-2002 Hennebach Lecture Series, Colorado School of Mines, Golden, CO.
 41. "Toward a Philosophy of the Field," International Interdisciplinary Environment, San Francisco, July 3, 2001; Dept of Philosophy, Colorado State University, Ft. Collins, CO, April 13, 2001
 40. "The Philosophy of (Field) Science," Keynote Address, 2001 AGI Geoscience Associate's Conference, Denver, CO, March 23, 2001
 39. "Making USGS Information Effective in the Electronic Age," Invited Speaker, US Geological Survey, Woods Hole, MA, February 5-8, 2001
 38. "Science in the Public Interest," US Geological Survey Leadership Team, Denver, CO, January 23, 2001
 37. "Scientific Reason, Religious Faith: Non-Overlapping Magisteria?" US Geological Survey INCLUDE Lecture Series, December 12, 2000
 36. "Science and the Public Self," Society for Human Ecology, Jackson Hole, Wyoming, October 18, 2000
 35. "Shifting Plates: Continental Philosophy and the Earth Sciences," International Association for Environmental Philosophy, Penn State University, PA, Oct. 9, 2000
 34. "The Place of the Earth Sciences in Contemporary Culture," Stanford University, CESIR Seminar Series, May 10, 2000.
 33. Co-organizer (with Eugene Hargrove), "Environmental Philosophy and the Earth Sciences," University of North Texas, April 7-9, 2000.
 32. "The Philosophy of (Field) Science," "Environmental Philosophy and the Earth Sciences,"

- University of North Texas, April 7-9, 2000.
31. "Philosophy and the Geosciences: From Epistemology to Politics," American Association for the Advancement of Science, Washington, D.C., February 18, 2000.
 30. "Mining's Legacy: the Ontology of an Environmental Controversy," International Association for Environmental Philosophy (IAEP), Eugene, OR, October 11, 1999.
 29. Organizer and co-Chair (with Eldridge Moores), "Crossing the Greatest Divide: the Earth Sciences, the Humanities, and the Needs of Society," Geological Society of America Annual Meeting, Denver, October 25, 1999.
 28. "Humanities in the Parks," Chiefs of Interpretation Conference, National Park Service, Albuquerque, NM, July 28, 1999.
 27. Invited Speaker, New West Conference, Northern Arizona University, Flagstaff, AZ, June 11-12, 1999.
 26. "Acid Mine Drainage in the West: Philosophical Perspectives," Earth Justice Legal Defense Fund (formerly Sierra Club Legal Defense Fund), Denver, CO, March 10, 1999
 25. "The Law and the Sacred," Tate Inn at Court, Boulder, CO, February 16th, 1999
 24. Organizer and co-Chair (with Victor R. Baker), "Conversations with the Earth," Geological Society of America Annual Meeting, Toronto, October 27, 1998.
 23. Presidential Scholar, California State University, Chico, (a series of 5 lectures on the Earth sciences, philosophy, and contemporary culture), September 28-October 2, 1998.
 22. "The Epistemology of the Earth Sciences," invited speaker at *The Geosciences in the Secondary School Curriculum*, Universidade de Aveiro, Portugal, May 28-30, 1998.
 21. "Philosophy at 10,000 Feet: an Exploration of Topical Philosophy," Union College, Schenectady, NY, February 5, 1998.
 20. Invited speaker, "Advocacy, Ethics, and the Geosciences", Geological Society of America Annual Meeting, Salt Lake City, October 22, 1997.
 19. Co-Organizer and speaker, "The Geosciences in Context," Geological Society of America Annual Meeting, Salt Lake City, October 21, 1997.
 18. "The Geosciences and the Public Realm: Recent Developments in Ethics, Objectivity, and Advocacy," a two-day seminar at the US Geological Survey, Sept. 25-26, 1997.
 17. Invited participant, GSA Presidential Conference, "Ethics in the Geosciences," Mt. Hood, Oregon, July 16-20, 1997.
 16. "The Earth Sciences and Contemporary Culture," Dept. of Geology, University of California, Davis, May 7, 1997; and the University of South Florida, Tampa, February 3, 1997.
 15. "Science in the Public Interest," United States Geological Survey, Reston, VA., January 7, 8, and 9, 1997; Anchorage, AK., September 16, 17, & 18, 1996.
 14. "Redefining the Terms: Geology's Place in Contemporary Culture," 1996 Annual Meeting, the Geological Society of America, Denver, October 29, 1996.
 13. "Beyond Cynicism: the Future of the U.S. Geological Survey," *USGS Distinguished Lecturer Series*, Reston, Virginia, October 18, 1996.
 12. "Science as Narrative: Improving Communication between Scientists and their Community," American Academy for the Advancement of Science, Anchorage, September 19, 1996.
 11. "Earth Narrative Symposium," a one-day seminar at Woods Hole Oceanographic Institution, U.S. Geological Survey & Woods Hole Research Center, May 30, 1996.
 10. "Yucca Mountain: Intersections of Epistemology and Politics," Colorado School of Mines, April 8, 1996.
 9. "Ethics and the Engineer," Senior Capstone Seminar, Dept. of Engineering, University of Colorado, Feb. 27, Mar. 6, 13, and 20, 1996.
 8. "The Politics of Scarcity and the Reconstitution of the Self," Dept. of Philosophy, University of Montana, February 20, 1996.
 7. "The Nature of Geological Reasoning," Dept. of Geology, Cornell University, October 24, 1995.
 6. "The Earth Sciences in the 21st Century," Invited speaker at the United States Geological Survey Strategic Planning Team, Breckenridge, CO, July 18, 1995
 5. "Science in the Public Interest," (five-day series of lectures), United States Geological Survey,

- Woods Hole, MA., May 15-19, 1995; Denver, CO, May 22-26 and July 5-11, 1995.
4. "Geology and the Post-Industrial Society," (five-day series of lectures), United States Geological Survey, Woods Hole, MA, April 10-14, 1995.
 3. "The Need to Bring Philosophy Back into Geology: Efforts at the USGS" (with Christine Turner); invited paper, Geological Society of America Annual Meeting, Seattle, October 25, 1994.
 2. "Critical Reasoning in Scientific Research," a series of one-day seminars delivered to the US Geological Survey (5 sites nationwide), Sept. 1993 to October 1994.
 1. "Redefining the Earth Sciences," American Geophysical Union, Chapman Conference on Undergraduate Education, Washington D.C., September 7-11, 1994.

Institution Building

Co-Organizer, Joint ISEE-IAEP Environmental Conference, 2004-2008
 Founder, UNT Center for the Study of Interdisciplinarity (2008)
 Co-founder (with Ricardo Rozzi), UNT Field Station in Environmental Philosophy

Website Projects

New Directions: Science, Humanities, Policy: <http://www.ndsciencehumanitiespolicy.org>: a website of more than 100 pages that reports on New Directions experiments in interdisciplinary research and education, and that presents a venue for the policy-relevant dimensions of philosophy and humanities research.

Chile Field Station: <http://www.chile.unt.edu>: a Philosophy Department-led UNT field station in environmental philosophy, environmental science, and environmental policy.

Center for the Study of Interdisciplinarity: <http://www.csid.unt.edu>

Professional Associations and Committees

2008 member, NSF Advisory Committee for GPRA Performance Assessment (AC/GPA)
 Co-founder (1996) & Executive Officer, *International Association for Environmental Philosophy*
 Editorial board, *Environmental Ethics*
 Editorial board, *Encyclopedia of Science, Technology, and Ethics*
 Editorial board, *Journal of Agricultural and Environmental Ethics*
 Editorial board, *Encyclopedia of Applied Ethics*
 Book Reviewer, State University of New York Press, Temple Press
 Member, American Association for the Advancement of Science
 Panel Reviewer, National Science Foundation
 Reviewer, National Endowment for the Humanities

Ph.D. Dissertation: "Heidegger and the Proper Place of Thought"

(Alphonso Lingis, Director); Penn State University, 1988

Masters Thesis: "The Philosophy of Geology"

(Erle Kauffman, Director); University of Colorado, 1996

References

1. Carl Mitcham, Professor, Division of Liberal Arts and International Studies, Colorado School of Mines, Golden, CO, cmitcham@mines.edu

2. C. Baird Callicott, Professor, Dept of Philosophy and Religion Studies, University of North Texas, Denton, TX, callicott@unt.edu
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