

## **Keith Douglass Warner OFM**

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### **Education**

PhD: Environmental Studies, UC Santa Cruz, 2004.

MA: Theology, Franciscan School of Theology / Graduate Theological Union, 1996.

BA: Geography and Environmental Studies, San Francisco State University, 1991.

### **Catholic religious profession**

Member of the Order of Friars Minor (Franciscans), Province of St. Barbara. First religious profession July 25, 1993; solemn profession August 23, 1997.

### **Professional experience**

Santa Clara University: Religious Studies Department and Environmental Studies Institute; Lecturer, 2003--; Center for Science, Technology & Society, Director of Education, 2008--.

St. Anthony Foundation, San Francisco: Justice Education Associate, 1996-9.

### **Teaching**

Introduction to Catholic Spirituality (F09, F10)

Spirituality & Sustainability (Sp 05 & 06, W08, F08, Sp09, Sp10, Sp11, W12)

Faith, Ethics & the Biodiversity Crisis (Sp 04, W05, 06 & 07, Sp09)

The Moral Vision of Cesar Chavez: Agriculture, Food & the Environment in Catholic Social Teaching (F 04, 05 & 06, Sp 08)

Environmental Justice in the Catholic Imagination: The Central Valley (W11, F11)

Environmental Justice Practicum: The Central Valley (F 04, 05, 06 & 07)

Environmental Vocation Internship (W-Sp 05, 06, 07)

Globalization, Food Systems and the Environment (Sp 03)

Introduction to Environmental Studies (W 07)

(the first six fulfill religious studies core curriculum requirements)

### **Academic program development**

Franciscan Philosophy Studium, director; the St. Barbara Province of Franciscan Friars (Western US) and USD – Division of Continuing Education jointly offer short courses for Franciscan seminarians and laity; 2008--

Xavier Residential Learning Community (SCU), Faculty Director, 2008—2011

Board of Regents of the Franciscan School of Theology, Academic Committee Chair, 2007--; Regent 2003--.

## **Scholarship**

### **Books**

Care For Creation: A Franciscan Spirituality of the Earth. With Ilia Delio OSF and Pam Wood. Cincinnati: St. Anthony Messenger Press, 2008.

Agroecology in Action: Social Networks Extending Alternative Agriculture. Cambridge: MIT Press, 2007.

Journey and Place: An Atlas of St. Francis. With John E. Isom. Quincy: Franciscan Press, 2003.

Ecology and Religion: Scientists Speak. Edited with John E. Carroll. Quincy: Franciscan Press, 1998.

### **Research grants**

National Science Foundation; Ethics & Values in Science, Engineering & Technology Program: "Managing Risk in the Public Interest: How Ethics and Values Shape Biological Control Practice and Policy;" \$105,000, 2007--2011.

California Department of Food and Agriculture; "Biological Control of Arthropod Pests in California Agriculture: Current Status and Future Potential – Social"; 2004: \$20,405; 2005: \$25,291; 2006-2008 \$68,096. "Institutional Aspects of Biological Control" 2009: \$34,181; 2010: \$19,892. Biological Control of Arthropod Pests in California Agriculture: Future Prospects with Special Emphasis on its Role in Managing Invasive Species (2011-13) \$39,543.

### **Refereed journal articles and chapters**

Manipulating Risk Communication: Value Predispositions Shape Public Understandings Of Invasive Species Science In Hawaii. With Frances M. Kinslow. In press. Public Understanding of Science. DOI:10.1177/0963662511403983

The Decline of Public Interest Agricultural Science and the Dubious Future of Crop Biological Control in California. With Kent M. Daane, Christy Getz, Stephen P. Maurano, Sandra Calderon, and Kathleen A. Powers. In press. Agriculture & Human Values. 28 (4) 483-496/

Franciscan Environmental Ethics: Imagining Creation as a Community of Care. 2011. Journal of the Society of Christian Ethics. 31 (1), 143-160.

The Incarnation Matters! Retrieving Franciscan Science for Ecological Literacy. 2011. Association of Franciscan Colleges and Universities Journal. 8 (1) 1-13.

Retrieving St. Francis: Tradition and Innovation for Our Ecological Vocation. 2011. In Tobais Winright, ed., Green Discipleship: Catholic Theological Ethics and the Environment. Winona, Minnesota: Anselm Academic. 114-127.

Teaching Environmental Scientists from Country: Integral Wisdom for a New Australia. 2010. Learning Communities: International Journal of Learning in Social Contexts 2 (1), 102-14.

Enhancing the Multifunctionality of US Agriculture. With Nicholas Jordan. 2010. Bioscience 60 (1) 60-66.

An Analysis of Historical Trends in Classical Biological Control of Arthropods Suggests Need for a New Centralized Database in the USA. With Christy Getz, Stephen Maurano, and Katy Powers. 2009. Biocontrol Science & Technology 19 (7), 675 – 688.

The Farm Workers and the Franciscans: Reverse Evangelization as Social Prompt for Conversion. 2009. Spiritus: A Journal of Christian Spirituality 9: 69-88.

Agroecology as Participatory Science: Emerging Alternatives to Technology Transfer Extension Practice. 2008. Science, Technology & Human Values 33, 754-777.

Agro-Environmental Partnerships Facilitate Sustainable Wine-Grape Production And Assessment. With Janet C. Broome. 2008. California Agriculture 62 (4) 133-141.

Economics and adoption of conservation biological control. With Ross Cullen, Mattias Jonsson and Steve D. Wratten. 2008. Biological Control 45 (2) 272-280.

A Socio-Economic Analysis Of The North American Commercial Natural Enemy Industry And Implications For Augmentative Biological Control. With Christy Getz. 2008. Biological Control 45 (2) 1-10.

The Greening of American Catholicism: Identity, Conversion and Continuity. 2008. Journal of Religion & American Culture 18:1, 113-142.

Sustainable Development of the Agricultural Bio-economy. With N. Jordan, G. Boody, W. Broussard, J. D. Glover, B.H. McCown, G. MacIsaac, M. Muller, H. Murray, J. Neal, C. Pansing, R.E. Turner, and D. Wyse. 2007. Science (June 15) 316: 1570-1571.

The Quality of Sustainability: Agroecological Partnerships and the Geographic Branding of California Winegrapes. 2007. Journal of Rural Studies. 23: 142–155.

Extending Agroecology: Grower Participation in Partnerships is Key to Social Learning. 2006. Regenerative Food and Agricultural Systems 21 (2): 84-94.

Integrated Farming Systems and Pollution Prevention Initiatives Stimulate Co-Learning Extension Strategies. With Christy Getz. 2006. Journal of Extension 44 (5) (online).

Shifting plates in the agrifood landscape: The tectonics of alternative food initiatives in California. With Patricia Allen, Margaret FitzSimmons, and Michael Goodman. 2003. Journal of Rural Studies 19:1, 61-75.

Are Life Patents Ethical? Conflict Between Catholic Social Teaching and Agricultural Biotechnology's Patent Regime. 2001. Journal of Agriculture and Environmental Ethics 14: 301-319.

A River Might Run Through It Again: Criteria for Consideration of Dam Removal, and Interim Lessons from California. With Liba Pejchar. 2001. Environmental Management 28 (5): 561-575.

Flooding and Fragmentation: How Physical Features Structure Political Conflict Over Flood Control in California's Pajaro Valley. 2001. Association of Pacific Coast Geographers Yearbook 63: 97-118.

Pilgrims and Strangers: The Evangelical Spirituality of Itinerancy of the Early Franciscan Friars. 2000. Spirit and Life: A Journal of Contemporary Franciscan Spirituality 10: 63-170.

### **Referee work**

African Journal of Entomology, 2010  
Agriculture and Human Values Journal, 2003-present  
Agronomy for Sustainable Development, 2008  
Australian Journal of Agricultural and Resource Economics, 2010  
Conservation Letters, 2009  
Biological Control, 2008-9  
Ecology & Society, 2011  
Geoforum, 2011  
Journal for the Study of Religion, Nature & Culture, 2008  
MIT Press 2010  
National Science Foundation, Science & Society Program, 2008  
Rural Sociology, 2008  
Science, Technology & Human Values, 2007-9  
Zygon: Journal of Religion and Science, 2007

### **Additional publications** (Non-refereed: e.g., book chapters, conference proceedings)

Warner, Keith Douglass, OFM. "Living the Gospel on a Climate Disrupted Planet." Conversations 3, no. 1 (2011): 1-19.

Justice, Education, and the Catholic Imagination. Santa Clara Magazine, Fall 2010.

Evaluating Scientific Institutional Capacity For Biological Control: A California Study As A Model Regional Network Assessment. With Christy Getz, Stephen Maurano, Sandra Calderon, Katy Powers, Lynn LeBeck, and Waide Hicks. 2009. Proceedings from the IIIrd International Symposium for the Biological Control of Arthropods, Christchurch, New Zealand, February 8-14; 535-543.

Sustainability in Catholic Higher Education. 2009. Explore: An Examination of Catholic Identity and Ignatian Character in Jesuit Higher Education. Spring, pages 5-9.

The Moral Significance of Creation in the Franciscan Tradition: Implications for Contemporary Catholics and Public Policy. 2008. University of St. Thomas Law Journal 5: 1, 37-52.

Made of the Stuff of Stars. 2008. Conversations in Jesuit Higher Education. Spring, 41-43.

- Agribusiness; Agriculture, Ethics of; Genetic Engineering. Encyclopedia entries, co-authored with Lisa H. Newton and Dustin Mulvaney. 2008. The Encyclopedia of Business Ethics and Society. Sage Publications: Thousand Oaks, California.
- What Every Biocontrol Researcher Should Know About the Public. With J.N. McNeil and C. Getz. 2007. Proceedings from the XIIth International Symposium for the Biological Control of Weeds, Montpellier, France, April 22-28, pages 398-402.
- Poverty & Environmental Justice in Franciscan Perspective. In Franciscan Responses to Poverty. With Luke Clause and Stephen Maurano. 2007. Michael Mutzner, editor. Geneva, Franciscans International.
- Agroecology In Action: How USEPA Links Policy With Practice by Supporting the Extension of Integrated Farming Systems. 2007. Proceedings from the Conference on the Future of Agriculture, Sacramento, August 7-9, 2006.
- Augmentative biological control in the United States: Identifying obstacles and proposing new strategies. With Alexander Hazlehurst and Christy Getz. 2006. Poster abstract published in the Proceedings from California Conference of Biological Control, Riverside California. 196-198.
- Agricultural Biological Control as Public Science: An Initiative to Enhance Support For Ecological Alternatives to Pesticides in California. With Christy Getz, Sandra Calderon, and Stephen Maurano. 2006. Poster abstract published in the Proceedings from the California Conference of Biological Control, Riverside California. 193-195.
- Geographies of Cultural Encounter in Early California: Proceeding with Kent Lightfoot's *Indians, Missionaries, and Merchants*. 2005. *Boletín* (the Journal of the California Mission Studies Association). Fall.
- Taking Nature Seriously: Nature Mysticism, Franciscan Spirituality, and Environmental Advocacy. 2004. In: Ilia Delio OSF, ed., Franciscans and Creation: What is Our Responsibility? St. Bonaventure, NY: The Franciscan Institute.
- Get him out of the Birdbath! In Franciscan Theology of the Environment: An Introductory Reader, edited by Dawn M. Nothwehr OSF. Quincy Il: Franciscan Press, 2003. Republished from "Out of the Birdbath: Following the Patron Saint of Ecology" The Cord. 48:2 March 1998: 74-85.
- Alternative Food Initiatives in California: Local Efforts Address Systemic Issues. With Patricia Allen, Margaret FitzSimmons, and Michael Goodman. 2003. Research Brief #3 for the Center for Agroecology and Sustainable Food Systems, UC Santa Cruz.
- Environmental Issues in Modern Agriculture, and Introduction to Sustainable Agriculture in Teaching. 2003. Organic Farming & Gardening: Resources for Instructors. UCSC Center for Agroecology and Sustainable Food Systems.
- Questioning the Promise: Critical Reflections on Agricultural Biotechnology from the Perspective of Catholic Teaching. 2000. A monograph published by National Catholic Rural Life Commission, Des Moines.

Explanation of Maps. In Francis of Assisi: Early Documents. Edited by Bill Short OFM, Regis Armstrong OFM Cap., and Wayne Hellman OFM Conv., Hyde Park NY: New City Press. Published in volumes I (The Saint), II (The Founder), and III (The Prophet); 1999, 2000, and 2001, respectively.

Back to Eden: The Sacredness of Wilderness Landscape in Christian Thought. 1998. In Ecology and Religion: Scientists Speak. Edited with John E. Carroll. Franciscan Press: Quincy IL, 333-351.

Was St. Francis a Deep Ecologist? 1994. In Albert LaChance and John E. Carroll, eds. Embracing Earth: Catholic Approaches to Ecology. Maryknoll NY: Orbis Press.

### **Research maps**

"Gazetteer and Maps" In Francis of Assisi: Early Documents" Edited by Bill Short OFM, Regis Armstrong OFM Cap., and Wayne Hellman OFM Conv., Hyde Park NY: New City Press. Published in volumes I (The Saint), II (The Founder), and III (The Prophet); 1999, 2000, and 2001; (cartographic researcher and designer for 11 color and 4 black & white maps, plus gazetteer); with John E. Isom. Two maps republished in J. Hoerberichts, Francis and Islam. Quincy IL: Franciscan Press, 1997. Expanded and republished in Journey and Place: An Atlas of St. Francis, cited above, in 2004.

Columbia River: Troubled Waters. Portland OR: Northwest Environmental Advocates, 1993. Cartographic supervisor, principal researcher and principal writer for a four-color, two-sided 26" x 39" environmental education map covering the Columbia River Basin and the Columbia River Estuary.

Portland/Vancouver Toxic Waters. Portland OR: Northwest Environmental Advocates, 1992. Cartographic supervisor, principal researcher and principal writer for a four-color, two-sided 26" x 39" environmental education map covering the Willamette River in the Portland Metro area.

### **Invited presentations and public testimony**

Catholic Coalition on Climate Change. Los Gatos, California. March 4, 2011. Theology and ethics presentation to Catholic Climate Ambassadors.

Graduate Geography Group, University of California – Davis. December 3, 2010. Enhancing the Multifunctionality of US Agriculture: Research into Sustainability and Human Values Using STS.

Microbial Biological Control Symposium. Shepherdstown, WV. November 29, 2010. Sociological strategies to allay unfounded perceptions of risk and encourage public/private support for microbial biocontrol projects.

Teilhard For a New Generation. Santa Clara University, November 20, 2010. The Teleology of Delio's Scholarship, or: Technology Might Help. A response to Ilia

Delio OSF's "Teilhard, Transhumanism and Techno Sapiens: Are We Still in Christogenesis?"

Western Conversations. Santa Clara University, October 23, 2010. On the Catholic Contributions to Sustainability and Justice.

Association of Franciscan Colleges and Universities conference. University of St. Francis, Ft. Wayne, Indiana. June 10, 2010. The Incarnation Matters! Retrieving Franciscan Science for Ecological Literacy.

Hawaii Invasive Species Council. Honolulu. March 19, 2010. Constructing constructive public engagement with invasive species management and biocontrol issues in Hawai'i.

w-2185 Workgroup on Biological Control. Lake Tahoe, October 8, 2009. Assessing institutional capacity for crop biological control at a regional and national scale (with Waide Hicks, Kent Daane and Christina Getz).

California Invasive Species Advisory Council. Sacramento, September 24, 2009. Invasive Species Have a Public Perception Problem.

Lincoln University Bio-Protection and Ecology Division, Christchurch, New Zealand. August 24, 2009. Ethics & Values Can Enhance the Multifunctionality of Agriculture: Introducing an Integrated Theory of Change (with Nicholas Jordan).

St. Francis Retreat Centre, Auckland, New Zealand, August 15, 2009. Following the Patron Saint of Ecological Consciousness – celebrating the 800<sup>th</sup> anniversary of the Franciscan Rule.

Teaching From Country International Seminar, Charles Darwin University, Darwin Australia, 27 July 2009. Teaching Environmental Scientists From Country: Integral Wisdom for a New Australia.

United States Department of Agriculture – Agricultural Plant Health Inspection Service, Technical Advisory Group for Weed Biological Control, October 6, 2008. Managing Risk in the Public Interest: The Challenge of Appropriate Biocontrol Regulation.

University of California Santa Cruz – Department of Environmental Studies, April 21, 2008. Managing Risk in the Public Interest: understanding contestations in hybrid scientific communities.

United States Department of Agriculture – Agricultural Plant Health Inspection Service – Plant Protection and Quarantine Permitting Unit Board of Advisors, Washington DC, February 6, 2008. Managing Risk in the Public Interest.

University of Minnesota, Applied Plant Sciences Program, Minneapolis, September 23, 2007. Environmental management in the public interest: challenges for scientists.

St. Thomas University Law School symposium on Catholic theology and Environmental Law, Minneapolis, September 20, 2007. The Moral Significance of Creation in the Franciscan Tradition: Implications for Contemporary Catholics and Public Policy.

Institute for Pacific Island Forestry, United States Forest Service, Hilo, July 19, 2007. Environmental management in the public interest: challenges for scientists.

Hawaii Department of Agriculture, Plant Pest Control Branch, Honolulu, July 16, 2007. Environmental management in the public interest: challenges for scientists.

USDA-Agricultural Research Service-Foreign Disease/Weed Science Research Unit, Ft. Dietrick, MD, June 22, 2007. The social context of scientific discovery: From the field to the lab and back again.

INRA-Versailles (April 18), INRA Ecodeveloppement Avignon (April 19), INRA-Antibes (April 20), and Agropolis International Montpellier (April 26). What is Agroecology? processus social d'apprentissage & nouveaux défis pour les chercheurs. In English.

AgroParisTech. What is Agroecology? Processus social d'apprentissage & construction de réseaux. April 17, 2007. In French.

Golden State Environmental Education Consortium, March 3, 2007, at Santa Clara University. The moral vision of Cesar Chavez: cultivating new environmental constituencies among faith communities. (With Melvin Gaines)

Assisi Symposium at Santa Clara University. November 10, 2005. The Franciscan Intellectual Tradition.

Franciscan, Capuchin and Conventual Franciscan Justice, Peace and Integrity of Creation animators. Easton, Pennsylvania, November 6-7, 2005. Contemporary trends in Catholic Eco-theology: Waiting for a Franciscan Perspective.

Presentation to the SCU Board of Fellows. Santa Barbara, CA. September 24, 2005. Sustainability at SCU.

Presentation to the Parish Sant'Esprit, Montpellier, France. September 2, 2005. *Science, Technologie et Nôtre Vocation Ecologique*. In French.

The Biologically Integrated Farming Systems DANR Work Group; UC Davis. May 17, 2005. Making Biocontrol Work.

Symposium on Kent Lightfoot's *Indians, Missionaries and Merchants: The Legacy of Colonial Encounters on the California Frontiers*, March 12, 2005; at the Bancroft Library at UC Berkeley. Co-sponsored by the Academy of American Franciscan History, The Bancroft Library, California Mission Studies Association, California Historical Society and Heyday Books. Geographies of Cultural Encounter in Early California.

Ethics at Noon, Santa Clara University. February 25, 2005. What Catholic Ethics Says About our Debt to the Future.

Franciscan Spirituality and Sustainability: Following an Ecology of Hope. Franciscan Renewal Center; Scottsdale, Arizona. February 3-5, 2005.

Franciscan Spirituality and Sustainability; Justice, Peace and Integrity of Creation Convocation, Franciscan Province of St. Barbara; January 25, 2005; Danville, California.

Grower Participation in Agricultural Partnerships. Biologically Integrated Farming Systems DANR Work Group; UC Davis. December, 12, 2003.

Taking Nature Seriously: The Franciscan Intellectual Tradition And Care For Creation. Seminar in Franciscan Theology, Franciscan School of Theology; Berkeley, California; September, 2003.

The Three Struts of Sustainable Agriculture; California Sustainable Agriculture Working Group Membership Congress; January 2003; Asilomar, California.

Reshaping the Foodshed: Research Into The Motivations And Alternative Visions Of Actors Creating Alternative Food Systems; First California Community Food Security Summit; June 2002; Oakland, California.

Biologically Integrated Farming Systems DANR Work Group, September 2002; Davis; Assessing the Importance Of Grower Participation In Agricultural Partnerships Ad Hoc Committee on Agricultural Policy, United States Catholic Conference, June 2001, Sacramento; Fruit of The Earth And Work Of Human Hands: Agricultural Stewardship And Sustainable Agriculture From The Perspective Of Catholic Social Teaching

National Catholic Rural Life Conference Annual Meeting, October 2000, Minneapolis; Are Patents on Life Ethical? Conflict Between Catholic Social Teaching and Life Patents

#### **Academic conference presentations & posters**

Society of Christian Ethics (national meeting). New Orleans, January 6, 2011.  
Epistemological assumptions and the distribution of risk: Katrina, environmental justice, and scientific ethics.

Entomological Society of America. San Diego, December 14, 2010. Engaging the Public with the Risks of LBAM.

BioControl for Nature Conference. Northhampton, Massachusetts. October 6, 2010.  
Fighting phytopathophobia: how to construct constructive public engagement with (pathogen) biocontrol for nature without augmenting public fears.

Society for the Social Studies of Science. Tokyo. August 29, 2010. The moral visions of conservation scientists disrupt the hybrid scientific community managing invasive species.

Agriculture and Human Values Society Meeting. Bloomington, Indiana. June 4, 2010.  
Letting the good pass while keeping the bad out: The invasive species paradigm transforms traditional quarantine and pest management.

Society of Christian Ethics (Pacific division). Santa Clara, February 12, 2010. Franciscan Environmental Ethics.

Society for the Social Studies of Science. Washington DC, October 30, 2009. Scientific Dissent: From Novel Perception to Networks of Practice.

American Phytopathology Society Meeting. Portland, Oregon, August 2, 2009.  
Improving the risk assessment of beneficial plant pathogens for biological control of weeds: Yellow starthistle and Russian thistle pathogens. By William Bruckart.

International Congress of Entomology. Durban, South Africa, July 7, 2008. On the frontier of risk management: potential nontarget effects of classical biocontrol agents stimulate innovation by entomologists in the U.S.A. With Waide Hicks.

Agriculture and Human Values Society Meeting. June 4, 2008, New Orleans. The Problematic of Public Interest Pest Management.

Entomological Society of America. San Diego, December 11, 2007. Strategies to link economics to policy in the public interest. With Waide Hicks.

Society for the Social Studies of Science. Montreal, October 12, 2007. How does the public know about biological control? Ethics, trust, and scientific communication in ecological pest management. With Christy Getz and Jeremy McNeil.

American Psychological Association. San Francisco, August 17, 2007. Psychological outcomes of merging environmental and religious studies classes. With Amara Brook and Brad Mills.

Ecological Society of America, San Jose, August 9, 2007. The decline of biological control in California and Hawaii. With Stephen Maurano.

Agriculture and Human Values Society Meeting, June 2, 2007, in Victoria, Canada. An Integrated Theory of Change: The Green Lands, Blue Waters Project as Vision and Roadmap for a New Agrofood System. With Nicholas Jordan.

Twelfth International Symposium for the Biological Control of Weeds, Montpellier, France, April 26, 2007. What every biocontrol research needs to know about the public. With Christy Getz and Jeremy McNeil.

Society for the Social Studies of Science. Vancouver, Canada, November 3, 2006. Explaining the Silence of Public Good Scientists: Operative Assumptions of Biological Control Entomologists.

Conference on the Future of Agriculture. Sacramento, August 8, 2006. Agroecology in Action: How USEPA links policy with practice by supporting the extension of integrated farming systems.

California Conference of Biological Control. Riverside California, July 25-27, 2006. Augmentative Biological Control In The United States: Identifying Obstacles And Proposing New Strategies. With Alexander Hazlehurst and Christy Getz. Poster.

California Conference of Biological Control, Riverside California, July 25-27, 2006. Agricultural Biological Control as Public Science: An Initiative to Enhance Support For Ecological Alternatives to Pesticides in California. With Christy Getz, Sandra Calderon, and Stephen Maurano. Poster.

Agriculture and Human Values Society Meeting. Boston, June 2, 2006. Making Biocontrol Work: Getting the Good Bugs to Eat the Bad.

The Inaugural Conference of the International Society for the Study of Religion, Nature & Culture. Gainesville, Florida, April 6-9th 2006. Why Franciscans Haven't Been Environmentalists and What is Being Done about This.

American Association for the Advancement of Science. St. Louis, February 17, 2006. Developing Perennial-based Agricultural Systems: The Green Lands Blue Waters Model. With Nicholas Jordan. In the organized (peer-reviewed) session "Ecology, Trade and Sustainable Agriculture in the American Midwest."

Society for the Social Studies of Science. Pasadena, October 22, 2005. Making Biocontrol Work: Managing Trophic Levels in Agroecosystems.

Commitment to Justice in Jesuit Higher Education. Cleveland, October 15, 2005. The Faith, Ethics and Vocation Project: Catholic Visions of Environmental Justice as Transformative Education. With Melvin Gaines.

Second International Symposium on the Biological Control of Arthropods. Davos, Switzerland, September 11-16, 2005. A Digital Commons for Biological Control: An Open Access Cyberinfrastructure for Enhanced Research and Regulation. Poster.

Agriculture, Food And Human Values Society. Hyde Park, New York, June 12, 2004. Agroecology In Action: How the Science of Alternative Agriculture Circulates Through Social Networks.

Actus Academicus. Franciscan School of Theology, Berkeley, March 6, 2004. "Subject even to all beasts and wild animals?" Franciscan responses to the biodiversity crisis: science, society and theology.

Association Of Pacific Coast Geographers. Portland, Oregon, September 2003. Quality In Place: The Geography Of Sustainability In California Winegrape Growing. Agriculture, Food And Human Values Society. Austin, Texas, June 2003. Riding Herd On Science: How To Enroll Agricultural Scientists In Environmental Protection.

Sixth Annual Franciscan Symposium. Washington Theological Union, May 28, 2003. Taking Nature Seriously: Nature Mysticism, Franciscan Spirituality, and Environmental Advocacy.

Association Of American Geographers. New Orleans, March 22, 2003. Riding Herd on Science: How To Enroll Agricultural Scientists In Environmental Protection. Agriculture, Food And Human Values Society. Chicago, June 2002. Agroecology In Action: Actors, Networks, And Scientists In California's Agricultural Partnerships.

Association Of American Geographers. Los Angeles, March 28, 2002. Commodity Organizations And The New Geographies Of Pest Management In California.

Association Of Pacific Coast Geographers. Santa Barbara, September 8, 2001. A River Might Run Through It Again: Criteria For Consideration Of Dam Removal, And Interim Lessons From California.

Agriculture, Food And Human Values Society. Minneapolis, June 4, 2001. The Gorilla Goes To The Farm: How EPA Staff Learned About Agriculture In Washington State; and Reconfiguring The Foodshed: Research Into The Motivations And Visions Of Actors Creating Alternative Food Systems.

Association of American Geographers. New York, February, 12, 2001. Flooding and Fragmentation: How Physical Features Structure Political Conflict Over Flood Control in California's Pajaro Valley.

Agriculture, Food and Human Values Society. New York, June 8, 2000. Are patents on life forms ethical? Religious problems with universal patents on genetically modified crops; and But HOW Will This Little Piggy Get to Market?: Retailing Sustainable Farm Products after the NOSB's Rules Announcement.

International Congress on Medieval Studies. Kalamazoo, Michigan, May 18, 1997. Brothers of the road: Itinerancy in the spirituality of Francis of Assisi.

### **Professional service**

#### **Leadership**

Council chair, Justice, Peace and Integrity of Creation Council for the Franciscan Province of St. Barbara, 2006--.

Chair, graduate studies committee, Franciscan Province of St. Barbara, 2006--.

Committee chair, program committee for the joint meeting of the Agriculture, Food & Human Values Society / Association for the Study of Food & Society, May 30-June 2, 2007, Victoria, British Columbia.

California Sustainable Agriculture Working Group; Santa Cruz, California; member of the board of directors 2000-2003; president of the board, 2002-2003.

#### **Academic society memberships**

Agriculture, Food & Human Values Society, 1999-present

Society for the Social Studies of Science, 2002-present

International Organization for Biological Control, 2005-present

International Society for the Study of Religion, Nature & Culture, 2006 (founding)-present

Society of Christian Ethics, 2009-present

Entomological Society of America, 2007-2009

Association of Pacific Coast Geographers, 2000-2006

Association of American Geographers, 2000-2003

#### **Community service & consulting**

Member, California Invasive Species Advisory Council. A 32-member group that advises the Secretary of Agriculture for the State of California about invasive species management and communication.

Sustainability consultant, the Almond Board of California, to advise the Environmental Stewardship Committee with their strategic planning.

Member, policy committee for the Association of Natural Biocontrol Producers.