

Hilary Nixon

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Education

Ph.D., Planning, Policy & Design, University of California Irvine June 2006
Area of Specialization: Environmental Policy

M.A., International Business, National University, San Diego, CA May 1996
Thesis: Marketing on the Internet: A Focus on the World Wide Web and the Implications for International Business Transactions.

B.A., Environmental Management, University of Rochester, NY May 1993
Senior Project: The Scientific, Regulatory, and Economic Context of a Major Environmental Decision: The Subsurface Disposal of Incinerator Ash.

Dissertation

“Electronic Waste Management: Willingness to Pay, Policy Alternatives, and the Role of NGOs.”

Director: Jean-Daniel Saphores. *Committee:* Joseph F. C. DiMento and Oladele A. Ogunseitan.

Dissertation uses an interdisciplinary approach to examine electronic waste management. Key areas of this research include consumer behavior and attitudes toward e-waste recycling and “green” electronics, the role of NGOs and corporate engagement as a mechanism to address the North-South trade of e-waste, and the resulting implications for public policy at multiple levels (local, state, national, and international).

Research Interests

- Industrial ecology; ecological behavior / green consumerism; transportation and environment linkages; nongovernmental organizations and corporate engagement; and international trade and the environment.

Teaching Interests

- Environmental policy; land use and environmental planning; transportation planning; research design; and quantitative methods.

Research

Research Assistant, U.C. Irvine 2000-present

Graduate R.A. with the Program in Industrial Ecology and the Institute for Transportation Studies. Conducted mail, telephone, and Internet surveys. Cleaned and screened data. Conducted extensive quantitative data analysis (principle components analysis, regression models for categorical and limited dependent variables, contingent ranking). Qualitative data analysis on archival and interview data. Participated in grant submissions, including a successful \$1.5 million NSF grant. Prepared written reports and oral presentations of research. Supervised undergraduate research assistants.

Publications, Proceedings, Book Reviews

Saphores, J.-D., Nixon, H., Ogunseitan, O., & Shapiro, A. (in press). Household willingness to recycle electronic waste: An application to California. *Environment and Behavior*.

Nixon, H. (in press). [Review of the book *Environmental peacemaking*, by Ken Conca and Geoffrey D. Dabelko, Eds; Woodrow Wilson Press 2002]. *International Environmental Agreements: Politics, Law, and Economics*.

Ogunseitan, O., Schoenung, J. M., Saphores, J.-D., Shapiro, A., Bhuie, A., Kang, H.-Y., Nixon, H. & Stein, A. (2003). The devil that we know: Pb replacement policies under conditions of scientific uncertainty. In *Proceedings, The Third International Symposium on Microelectronics and Packaging*, ISBN 0-930815-69-6, Israel (June).

Nixon, H. & Saphores, J.-D. (2002). Used oil policies to protect the environment: An overview of Canadian experiences. In K. Wang, G. Xiao, L. Nie, & H. Yang (Eds.), *Conference Proceedings of the Third International Conference on Traffic and Transportation Studies: Vol. 1* (pp. 73-80). Reston, VA: American Society of Civil Engineers.

Working Papers

Nixon, H. & Saphores, J.-D. *The environmental impacts of motor vehicle operation on water quality: A preliminary assessment*. U.C. Transportation Center, Berkeley, CA Working Paper #671.

Nixon, H. & Saphores, J.-D. *Financing electronic waste management: California's willingness to pay*.

Nixon, H., Lejano, R. & Funderburg, R. *Industrial ecology and the spatial geometries of land use*.

Selected Conference Presentations

Saphores, J.-D., Nixon, H., Ogunseitan, O. A., & Shapiro, A. (2005, October) *Household willingness to recycle electronic waste: An application to California*. Paper presented at the annual meeting of the Canadian Society for Ecological Economics, Toronto, Canada.

Saphores, J.-D., Nixon, H., Ogunseitan, O. A., & Shapiro, A. (2005, June) *Consumer willingness to recycle electronic waste in California*. Paper presented at the annual meeting of the International Society for Industrial Ecology, Stockholm, Sweden.

Saphores, J.-D., Nixon, H., Ogunseitan, O. A., Schoenung, J. M., & Shapiro, A. (2005, January). *Willingness to recycle electronic waste in California: A semi-nonparametric extended ordered probit analysis*. Paper presented at Greening XIV, Irvine, CA.

Nixon, H. & Saphores, J.-D. (2004, May). *Willingness to pay for electronic waste recycling in California: Preliminary survey results*. Poster session presented at the IEEE International Symposium on Electronics and the Environment, Scottsdale, AZ.

Nixon, H., & Funderburg, R. (2003, January). *Do dirty industries cluster? A digital mapping of associated firms in Orange County*. Paper presented at Greening XII, Santa Barbara, CA.

Nixon, H. & Saphores, J.-D. (2002, November). *The environmental impacts of motor vehicle operation on water quality: A preliminary assessment*. Paper presented at the annual meeting of the American Collegiate Schools of Planning, Baltimore, MD.

Nixon, H. & Saphores, J.-D. (2002, November). *The environmental impacts of motor vehicle operation on water quality: A preliminary assessment*. Poster presented at the fall research conference of the Association for Public Policy Analysis and Management, Dallas, TX.

Nixon, H. & Saphores, J.-D. (2002, July). *Used oil policies to protect the environment: An overview of Canadian experiences*. Paper presented at the Third International Conference on Transportation and Traffic Studies, Guilin, China.

Nixon, H. & Saphores, J.-D. (2002, February). *The environmental impacts of motor vehicle operation on water quality: A preliminary assessment*. Paper presented at annual University of California Transportation Center research conference, Berkeley, CA.

Teaching

Teaching Associate/Lecturer, U.C. Irvine Summers 04/05; Spring 05

Transportation and the Environment

Introduction to Urban and Regional Planning

Syllabus and course design. Prepared and presented lecture material using a variety of media (website, videos, audio, guest lecturers from local and regional transportation and planning agencies). Developed and graded all assignments and examinations.

Teaching Assistant, U.C. Irvine 2000-present

Environmental Law (graduate course)

Geographic Information Systems (undergraduate and graduate level course)

Naturalistic Field Research (required upper-level writing course for Social Ecology undergraduates)

Research Design

Water Resource Policy

Ethics and Personal and Private Life

Natural Disasters

Fundamentals of Management

Typical duties: Developed and maintained course websites. Prepared and presented weekly discussion/laboratory sections (mandatory attendance required for Geographic Information Systems and Naturalistic Field Research). Prepared and presented examination review sessions. Held regular office hours. Graded assignments and examinations. Wrote exam questions. Maintained student grade records and prepared reports for instructor. Participated in final assignment of student grades.

Adjunct Faculty, Hawaii Pacific University, Honolulu, HI 1998-2000

Instructor for core introductory and intermediate accounting courses. Prepared course lectures, assignments, and examinations. Met with students one-on-one on an as-needed basis to provide additional instruction. Adapted schedule to meet the needs of nontraditional students. Assigned final grades.

Pedagogical Training

“Principles of Course Design” certification, UC Irvine 2001

Training in pedagogical theory and techniques to design a new university-level course. Topics included syllabus design, learning styles, preparation of daily activities, examination methods, and course logistics.

Teaching Assistant Training, UC Irvine 2000

Multi-day workshop for graduate students to develop teaching skills for university-level courses. Topics included course design, instructional techniques, evaluation methods, dealing with problem students, and the use of technology in teaching.

Adjunct Faculty Training Workshops, Hawaii Pacific University 1998-2000

Participated in numerous workshops on pedagogical theory, course design and administration, and addressing the needs of nontraditional students.

Relevant Professional Experience

Consultant, Orange County Business Council, Irvine, CA 2003-2004
Assisted in preparation of annual report on economic trends in Orange County, CA. Developed datasets from multiple information sources. Conducted data analysis on economic, education, and employment trends. Created graphic displays of information. Prepared written summary of statistical information.

Consultant, Legal Aid Society, Santa Ana, CA 2003
Created exercise and solutions manual to accompany a geographic information system (GIS) tutorial using ArcView 3.2. Collected and cleaned necessary spatial data for the manual. Developed GIS exercises to accompany individual chapter tutorials. Prepared and tested solutions manual for all exercises. Publication was distributed nationally to legal aid societies.

Personal Financial Management Program Coordinator, Marine Corps Base Hawaii 1998-2000
Developed and taught a wide variety of personal financial management courses for active-duty, reserve, and retired military personnel, their family, and local community members.

Awards

- Martha Newkirk Award for Excellence in Research, 2003-2004
- Summer Research Fellowship, School of Social Ecology, 2004
- Data Collection Fellowship, School of Social Ecology, 2003
- “Promise as a Future Faculty Member” award, University of California Irvine, 2001-2002
- Outstanding Mentor, School of Social Ecology, 2000-2001
- National Scholar Fellowship, University of California Irvine, 2000-2001
- Department of the Army, Commander’s Medal for Public Service, 1997

Professional Service and Activities

- Ph.D. Student Representative, Dept. of Planning, Policy and Design, U.C. Irvine, 2002/2003 and 2004/2005.
- Member, Women’s Environmental Council, Orange County Chapter, 2003-present. Community Outreach Program Co-Chair, 2005.
- Conference coordinator, *The North American Free Trade Agreement and the Environmental Consequences of Trade*, U.C. Irvine, 2002.
- Seminar series coordinator, Dept. of Urban and Regional Planning, U.C. Irvine, 2001/2002.
- Member, Focused Research Group in International Environmental Cooperation, U.C. Irvine, 2001-present.
- Research Team Member, Global Environmental Change and Human Security (GECHS) project, U.C. Irvine, 2000-present.
- Member, International Society of Ecological Economics and International Society of Industrial Ecology.
- Volunteer Naturalist, Orange County, CA, 2005.

Software Skills

- STATA, SPSS, SAS, MathCAD
- ArcView 3.x, ArcGIS

References

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