

## CURRICULUM VITAE

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## POSITIONS HELD

- 2007-Present**, Associate Professor, School of Information Sciences, University of Pittsburgh
- 2007-Present**, Director, Sara Fine Institute, University of Pittsburgh
- 2007-Present**, Core Investigator, Advanced Center for Interventions and Services Research Network Development Core, University of Pittsburgh
- 2005-Present**, Director, Qualitative Data Analysis Program (QDAP), University Center for Social and Urban Research, University of Pittsburgh
- 2004-2007**, Assistant Professor, with a joint appointment in the School of Information Sciences and the Graduate School of Public and International Affairs, University of Pittsburgh
- 2000 – 2004**, Assistant Professor, Environmental Science and Policy Program, Drake University
- 1999 – 2000**, Adjunct Assistant Professor, Department of Political Science, Providence College
- 1999** – Visiting Assistant Professor, Department of Politics and Government, University of Puget Sound

## EDUCATION

### Ph.D. 1999

University of Oregon, Political Science

Dissertation: "The Origin of the Federal Farm Loan Act: Agenda-Setting in the Progressive Era Print Press" Dr. Gerald Berk (Chair)

### Ph.D. Program (1989-1991)

University of Oregon, English Department

### B.A. 1989

Boston University

Political Science and English (Cum Laude, with Honors Thesis Distinction)

## ARTICLES PUBLISHED IN REFEREED JOURNALS

David Schlosberg, Stephen Zavestoski, and **Stuart W. Shulman**, "Democracy and E-Rulemaking: Web-Based Technologies, Participation, and the Potential for Deliberation," *Journal of Information Technology and Politics* Vol. 4, No. 1 (2007), 37-55.

**Stuart W. Shulman**, "Whither Deliberation? Mass e-Mail Campaigns and U.S. Regulatory Rulemaking" *Journal of E-Government* Vol. 3, No. 3 (2006), 41-64.

Mack C. Shelley, Lisa Thrane, and **Stuart W. Shulman**, "Lost in Cyberspace: Barriers to Bridging the Digital Divide in e-Politics," *International Journal of Internet and Enterprise Management* Vol. 4, No. 3 (2006), 228-243.

Stephen Zavestoski, **Stuart Shulman**, and David Schlosberg, "Democracy and the Environment on the Internet: Electronic Citizen Participation in Regulatory Rulemaking," *Science, Technology & Human Values* Vol. 31, No. 4 (2006), 383-408.

Mack C. Shelley, Lisa E. Thrane, and **Stuart W. Shulman**, "Generational Differences in Informational Technology Use and Political Involvement," *International Journal of Electronic Government Research* Vol. 2, No. 1 (2006), 36-53.

**Stuart W. Shulman**, "eRulemaking: Issues in Current Research and Practice," *International Journal of Public Administration* Vol. 28 (2005), 621-641.

**Stuart Shulman**, Jonah Katz, Courtney Quinn, and Paritosh Srivastava, "Empowering Environmentally-Burdened Communities: An Emerging Role for Information Technology," *Local Environment* Vol. 10, No. 5 (2005), 501-512.

Sally Beisser, **Stuart Shulman**, and Teresa Larson, "Closing the Digital Divide with Service Learning," *Academic Exchange Quarterly* Vol. 9, No. 1 (Spring 2005), 31-35.

**Stuart W. Shulman**, "The Internet Still Might (but Probably Won't) Change Everything," *I/S Journal* Vol. 1, No. 1 (Winter 2005), 111-145.

Sally Beisser, **Stuart Shulman** and Teresa Larson, "Empowerment through Service-Learning: Teaching Technology to Senior Citizens," *The Innovation Journal* Vol. 10, No. 1 (2005), 1-13.

Lisa E. Thrane, Mack C. Shelley, and **Stuart W. Shulman**, Sally Beisser, Teresa Larson, "e-Political Empowerment: Age Effects or Attitudinal Barriers?" *Journal of E-Government* Vol. 1, No. 4 (2004), 21-37.

**Stuart Shulman**, Jamie Callan, Eduard Hovy, and Stephen Zavestoski, "SGER Collaborative: A Testbed for eRulemaking Data," *Journal of E-Government* Vol. 1, No. 1. (2004), 123-127.

Mack Shelley, Lisa Thrane, **Stuart Shulman**, Evette Lang, Sally Beisser, Teresa Larson, and James Mutiti, "Digital Citizenship: Parameters of the Digital Divide," *Social Science Computer Review*, 22, 2 (2004), 256-269.

**Stuart W. Shulman**, "An Experiment in Digital Government at the United States National Organic Program," *Agriculture and Human Values* 20, 3 (Fall 2003), 253-265.

**Stuart W. Shulman**, David Schlosberg, Stephen Zavestoski, and David Courard-Hauri, "Electronic Rulemaking: New Frontiers in Public Participation," *Social Science Computer Review* 21, 2 (Summer 2003), 162-178.

Stephen Zavestoski and **Stuart W. Shulman**, "The Internet and Environmental Decision-Making," *Organization and Environment* 15, 3 (Fall 2002), 323-327.

**Stuart W. Shulman**, "The Business of Soil Fertility: A Convergence of Urban-Agrarian Concern in the Early Twentieth Century," *Organization and Environment* 12, 4 (December 1999), 401-424.

**Stuart W. Shulman**, "The Progressive Era Farm Press: A Primer on a Neglected Source of Journalism History," *Journalism History* 25 (Spring 1999), 25-32.

Frederick H. Buttel and **Stuart W. Shulman**, "Introduction to the Special Issue on the Politics and Policies of Sustainable Agriculture," *Society and Natural Resources*, guest editor Stuart Shulman, 10, 3 (June 1997), 235-237.

## BOOK CHAPTERS

**Stuart Shulman**, "The Federal Docket Management System and the Prospect for Digital Democracy in U.S. Rulemaking," G. David Garson (Editor) *Modern Public Information Technology Systems: Issues and Challenges* (Hershey, PA: Idea Group Press, 2007).

David Schlosberg, **Stuart Shulman**, and Stephen Zavestoski, "Virtual Environmental Citizenship: Web-Based Public Participation on Environmental Rulemaking in the US," in Dobson & Bell (Eds.) *Environmental Citizenship: Getting From Here to There* (MIT Press, 2006), 207-236.

Lisa Thrane, **Stuart Shulman**, Mack Shelley, Sally Beisser, and Teresa Larson, "Does Computer Training Translate to E-political Empowerment among Midwestern Senior Citizens?" B. Jaeger (Editor), *Young Technologies in Old Hands—An International View on Senior Citizens' Utilization of ICT* (Copenhagen, Denmark: DJØF Publishing, 2005), 159-173.

**Stuart W. Shulman**, Lisa Thrane, and Mack C. Shelley, "eRulemaking," in G. David Garson (Ed.) the *Handbook of Public Information Systems* 2<sup>nd</sup> Ed. (Boca Raton, FL: CRC Press, 2005), 237-254.

**Stuart W. Shulman**, "The Origin of the Federal Farm Loan Act: Issue Emergence and Agenda-Setting in the Progressive Era Print Press," in Jane Adams (Ed.) *Fighting for the Farm: Rural America Transformed* (U. of Pennsylvania Press, 2003), 113-128.

## PEER-REVIEWED CONFERENCE PROCEEDINGS

Namhee Kwon, Eduard Hovy, Liang Zhou, and **Stuart Shulman**, "Identifying and Classifying Subjective Claims," *Proceedings of the Eighth National Conference on Digital Government Research, May 20-23, 2007* (Digital Government Research Center).

**Stuart Shulman**, Jamie Callan, Eduard Hovy, and Stephen Zavestoski, "Language Processing Technology for Electronic Rulemaking: A Project Highlight," *Proceedings of the Seventh National Conference on Digital Government Research, May 21-24, 2006* (Digital Government Research Center).

Namhee Kwon, **Stuart Shulman**, and Eduard Hovy, "Multidimensional Text Analysis for eRulemaking," *Proceedings of the Seventh National Conference on Digital Government Research, May 21-24, 2006* (Digital Government Research Center).

Grace Hui Yang, Jamie Callan, and **Stuart Shulman**, "Next Steps in Near Duplicate Detection for eRulemaking," *Proceedings of the Seventh National Conference on Digital Government Research, May 21-24, 2006* (Digital Government Research Center).

**Stuart Shulman**, "Whither Deliberation: Mass e-Mail Campaigns and U.S. Regulatory Rulemaking," *ICEG 2005: The International Conference on e-Government*.

**Stuart Shulman**, Jamie Callan, Eduard Hovy, and Stephen Zavestoski, "Language Processing Technology for Electronic Rulemaking: A Project Highlight," *Proceedings of the Sixth National Conference on Digital Government Research, May 15-18, 2005* (Digital Government Research Center).

**Stuart W. Shulman** and Mack C. Shelley, "Give the People What They Want: Research Notes from the Hunt for Better Rulemaking," *Proceedings of the Sixth National Conference on Digital Government Research, May 15-18, 2005* (Digital Government Research Center).

**Stuart Shulman**, Jamie Callan, Eduard Hovy, and Stephen Zavestoski, "SGER Collaborative: A Testbed for eRulemaking Data," *Proceedings of the Fifth National Conference on Digital Government Research, May 24-26, 2004* (Digital Government Research Center).

**Stuart Shulman**, Mack Shelley, and Lisa Thrane, "Digital Citizenship: Parameters of the Digital Divide," in *Proceedings of the Fourth National Conference on Digital Government Research, May 18-21, 2003* (Digital Government Research Center).

**Stuart Shulman**, Sally Beisser, Teresa Larson, and Mack Shelley, "Digital Citizenship: Lessons Learned as Service-Learning Meets the Digital Divide," in *Proceedings of the Third National Conference on Digital Government Research, May 20-22, 2002* (Digital Government Research Center).

**Stuart W. Shulman**, Stephen Zavestoski, David Schlosberg, David Courard-Hauri, and Dyson Richards, "Citizen Agenda-Setting: The Electronic Collection and Synthesis of Public Commentary in the Regulatory Rulemaking Process," in *Proceedings of the Second National Conference on Digital Government Research, May 20-23, 2001* (Digital Government Research Center).

## GRANTS AND AWARDS

**Principal Investigator and Project Director**, National Science Foundation, three linked "Research Grants" titled "Collaborative Research III-COR: From a Pile of Documents to a Collection of Information: A Framework for Multi-Dimensional Text Analysis" (\$900,000) 2007-2010, funded by NSF's III Program to further develop and field test language technologies tailored to the eRulemaking environment.

**Senior Personnel**, National Science Foundation, "Research Grant" (\$647,000) 2007-2010, titled "HSD: Issue Adoption in Human Rights Advocacy Networks," funded by the NSF's Human and Social Dynamics Program.

**Principal Investigator and Project Director**, National Science Foundation, "Workshop Grant" (\$25,000), 2006-2007, funded by NSF's Science and Society Program to run an interdisciplinary workshop titled "Coding across the Disciplines."

**Principal Investigator and Project Director**, National Science Foundation, four linked "Research Grants" plus one supplement from the U.S. Fish & Wildlife Service titled "Collaborative Research: Language Processing Technology for Electronic Rulemaking," (\$1,370,000) 2004-2008, funded by NSF's Digital Government Program to develop and test language technologies tailored to the eRulemaking environment.

**Co-Principal Investigator**, National Science Foundation, three linked "Research Grants" titled "Democracy and E-Rulemaking: Comparing Traditional vs. Electronic Comment from a Discursive Democratic Framework," (\$260,000) 2003-2005, funded by NSF's Societal Dimensions of Engineering, Science, and Technology program to compare traditional and electronic public comments in rulemaking.

**Principal Investigator and Project Director**, National Science Foundation, four linked "Small Grants for Exploratory Research" plus two EPA-funded supplements titled "SGER COLLABORATIVE: A Testbed for eRulemaking Data," (\$210,000) 2003-2005, funded by NSF's Digital Government Program and the EPA's eRulemaking Initiative to create an eRulemaking testbed.

**Principal Investigator and Project Director**, National Science Foundation, two linked "Research Grants" (\$440,000), funded by NSF's "ITR" Program, 2001-2004, for a four-year study titled "Digital Citizenship: Expanding Information Technology Literacy with a Service-Learning Approach."

**Principal Investigator**, National Science Foundation, "Research Experiences for Undergraduates" (\$10,000), funded by NSF's "ITR" Program, 2002, for research and travel with 6 undergraduate students to Copenhagen, Denmark for an interdisciplinary meeting titled "Environmental Justice and Global Citizenship."

**Principal Investigator and Project Director**, National Science Foundation, SGER titled "SGER: Citizen Agenda-Setting in the Regulatory Process: Electronic Collection and Synthesis of Public Commentary," (\$33,498) 2000-2001, funded by NSF's Digital Government Program for a one-year exploratory study.

**Honorable Mention Award**, American Journalism Historians' Association, 2000 Dissertation Contest

**Pass with Distinction**, Political Science - University of Oregon, 1996, Special Field Paper: "State Intervention in Agricultural Capital Markets"

**English Departmental Prize for Excellence in a Senior Honors Thesis**, English - Boston University, 1989, Senior Honors Thesis: "Political Extremism and the Novel"

**Dean's List**, English and Political Science Departments - Boston University, 1988 & 1987

### PROFESSIONAL ASSOCIATIONS

American Political Science Association – Member since 1995

Digital Government Organization (Digital Government Society, since 2006) – Member since 2001

American Bar Association – Associate member since 2003

Association for Computing Machinery – Member since 2006

American Library Association – Member since 2006

### TEACHING INTERESTS

Qualitative Research Methods, Tool-Building for Text Analysis

American National Government, Public Management, and Public Policy

Digital Citizenship, Digital Governance, eGovernment, and Service-Learning

Environmental Policy, Civic Environmentalism, Smart Growth, and Environmental Justice

### PROFESSIONAL SERVICE AND FACULTY ACTIVITIES

**Speaker/Specialist**, a week of U.S. Department of State-funded lectures on "Web 2.0 – Library 2.0: Citizen-Powered Information," Kazakhstan, 2007.

**Vice Chair**, "E-Rulemaking Committee" American Bar Association Section on Administrative Law, 2007-Present.

**Conference Co-Chair**, "dg.o 2008" International conference of the Digital Government Society of North America.

**Editor-in-Chief**, *Journal of Information Technology & Politics*, 2006-Present.

**Workshop Chair**, "Coding across the Disciplines," 15-person, two-day workshop at Pitt for social and computer scientists focused on the challenges inherent in manual annotation, supported by a \$25,000 NSF grant, 2006.

**Chair, Election Committee**, oversaw and implemented the first online election for officers of the Digital Government Society of North America, 2006 (see: [www.dgsociety.org](http://www.dgsociety.org)).

**Speaker/Specialist**, a week of U.S. Department of State-funded lectures on "E-government and Transparency," to government officials, NGOs, librarians, students, and the public, Almaty & Ust-Kamenogorsk, Kazakhstan, 2005.

**Workshop and Tutorial Chair**, "dg.o 2006" NSF's National Conference on Digital Government Research, 2005-2006.

**Proposal Reviewer**, National Science Foundation (multiple directorates), 2004-Present.

**Birds of a Feather Session Chair**, "dg.o 2005" NSF's National Conference on Digital Government Research, 2004-2005.

**Review Panel Member**, National Science Foundation, 2005.

**Program Committee**, NSF's National Conference on Digital Government Research, 2003-2008.

**Chair**, "eRulemaking Workshop 2.0," The George Washington University, supported by a grant from the NSF, 2004.

**Senior Research Associate**, Université de Genève-, European University Institute-, and Oxford Internet Institute-based E-Democracy Centre, 2004-Present.

**Editor**, *The ITP News*, the official newsletter of the Information Technology & Politics organized section of the American Political Science Association, 2004-Present.

**President**, IT & Politics Section of the American Political Science Association, 2004-2005.

**Senior Contributing Editor**, *Journal of E-Government*, 2004-2006.

**Editorial Board Member**, *International Journal of Electronic Democracy*, 2004-Present.

**Chair**, eRulemaking Workshop, National Science Foundation, supported by grants from the NSF and EPA, 2003.

**Executive Committee**, NSF's eRulemaking Workshop, Kennedy School of Government, 2003.

**Coordinator**, Drake University Working Group on Qualitative Data Analysis, supported by a \$2,700 grant from the Associate Provost for Interdisciplinary Programs, 2002.

**Chair**, "e-Rulemaking" Workshop, National Defense University, supported by a \$2,500 grant from Drake University, 2002.

**Arts and Sciences Council & University Faculty Senate**, Drake University, elected 2002.

**Chair**, "Citizen Participation in e-Rulemaking" Workshop at the Council for Excellence in Government, supported by grants from the National Science Foundation (\$3,500) and Drake University (\$1,500), 2001.

**Editorial Board Member**, *Agriculture and Human Values*, 2001-2004.

**Coordinator**, Providence College Working Group on Qualitative Data Analysis, supported by a \$2,500 grant from the Providence College Center for Teaching Excellence, 1999-2000.

**Assistant Program Chair**, University of Oregon, Annual Meeting of the International Studies Association - West Region. Conference theme: "Global Ecology, Global Economy, Global Security: Making Linkages," 1996.

**Program Chair**, University of Oregon, an interdisciplinary meeting sponsored by the Graduate School and Political Science Department. Conference theme: "The Politics of Sustainable Agriculture." Supported by a \$5,000 grant from the United States Department of Agriculture, 1995.

### **CONFERENCE, WORKSHOP, & RESEARCH PRESENTATIONS**

*Perverse Incentives: The Case against Mass E-mail Campaigns*, University of Massachusetts Amherst Political Science Department (March 2008) [invited]

*The Future of Public Participation in Governance: Electronic Rulemaking and Techniques for Analyzing E-mailed Public Comments*, University of Oregon Political Science Department (March 2008)

*Tools for Rules: Managing the Deluge*, Politics Online Conference, Washington, DC (March 2008) [invited]

*Software for Qualitative Data Analysis*, University of British Columbia (February 2008)

*Tools for Rules*, Hawaii International Conference on System Sciences (January 2008)

*Tools for Rules and the Future of Public Participation*, MeTTeg07: 1st International Conference on Methodologies, Technologies and Tools enabling e-Government (September 2007) [keynote]

*Perverse Incentives: The Case against Mass E-Mails*, American Political Science Association (September 2007)

*A Bridge to Somewhere: Coded Corpora, Text Mining, and the Future 'Beyond' Political Science*, American Political Science Association (September 2007)

*Web 2.0 – Library 2.0: Citizen-Powered Information*, US State Department Speaker/Specialist for the Consortium of Kazakhstan’s Public Libraries (September 2007) [Invited]

*Tools for Rules*, Environmental Protection Agency’s “Best Practices Practices in Regulatory Development” (August 2007) [Invited]

*Tools for Rules*, Penn State’s “Workshop on Computer-Based Text Coding” (August 2007) [Invited]

*Tools for Rules: The Future of Public Participation in the United States*, Carlton University Research Seminar (May 2007) [Invited]

*Coding for Human Language Tool Builders*, CAQDAS 07 Conference: Advances in Qualitative Computing (April 2007)

*Click-Through Democracy: A ‘Form’ of Participation, Engagement & Information Dissemination*, American Society of Public Administration (March 2007)

*Coding across the Disciplines*, NSF-sponsored Workshop, University of Pittsburgh (November 2006)

*Electronic Rulemaking and the Future of Public Participation*, eGov Workshop, Brunel University (September 2006) [keynote]

*eRulemaking and Public Participation in the 21<sup>st</sup> Century* FedWeb West (May 2006) [Invited]

*Moving Research into Practice: Technology Transfer Challenges for eRulemaking*, ACR Section of the National Association of Secretaries of State (February 2006) [Invited]

*Deliberation and Mass Participation in 21<sup>st</sup> Century Rulemaking*, Symposium on eRulemaking in the 21st Century sponsored by the Committee on the Judiciary, U.S. House of Representatives (December 2005) [Invited]

*21<sup>st</sup> Century Rulemaking: Collaboration without Consensus or Coordination*, Administrative Law Conference of the American Bar Association (November 2005) [Invited]

*eRulemaking and the Murky Future of Public Participation in the United States*, Administrative Law Conference of the American Bar Association (November 2005) [Invited]

*Electronic Rulemaking and the Future of Mass E-Mail Campaigns*, International Conference on Electronic Government Research, Ottawa, Ontario (October 2005)

*Mass E-Mail Campaigns and the U.S.E.P.A.: Do They Make a Difference?* American Political Science Association, Washington, DC (September 2005)

*E-Government & Transparency*, A weeklong series of US State Department Speaker/Specialist talks in Kazakhstan (September 2005) [Invited].

*Language Processing Technology for Electronic Rulemaking: Project Highlight for dg.o2005*, National Grantee Workshop for Digital Government Researchers: "dg.o 2005," Atlanta, GA (May 2005)

*Deliberation and Mass Participation in Regulatory Rulemaking*, Second Conference on Online Deliberation, Palo Alto, CA (May 2005)

*Deliberation and Mass Participation in Regulatory Rulemaking*, European University Institute, Florence Italy (April 2005) [Invited]

*Deliberation and Mass Participation in Regulatory Rulemaking*, American University, workshop on “The State of Rulemaking in the Federal Government” (March 2005)

*Technological Responses to Mass E-Mail Campaigns in U.S. Regulatory Rulemaking*, ACR Section of the National Association of Secretaries of State (February 2005) [Invited]

*Technological Responses to Mass E-Mail Campaigns in U.S. Regulatory Rulemaking*, Oxford Internet Institute (January 2005) [Invited]

*Whither Deliberation? Mass E-Mail Campaigns and U.S. Regulatory Rulemaking*, Institute of Public Administration of Canada’s “International Brainstorm: The Regulatory State of Tomorrow,” Toronto, Ontario (December 2004) [Invited]

*E-Rulemaking: The Next Wave*, EPA's Office of Environmental Information National Meeting on "Leveraging Information Management for Environmental Results," Miami, FL (December 2004) [Invited]

*Predictors of e-Political Involvement: Are Seniors Slipping Through the Digital Cracks?* Gerontological Society of America, Washington, DC (November 2004)

*The Internet Still Might (but Probably Won't) Change Everything* Council of Europe conference on "The Future of Democracy in Europe," Barcelona, Spain (November 2004) [Invited]

*The Internet Still Might (but Probably Won't) Change Everything* American Bar Association's Administrative Law Conference, Washington, DC (October 2004) [Invited]

*The Internet Still Might (but Probably Won't) Change Everything* United States Chamber of Commerce, Washington, DC (October 2004) [Invited]

*Online Deliberation: A Roundtable*, American Political Science Association, Chicago, IL (September 2004) [Organizer]

*SGER Collaborative: A Testbed for eRulemaking Data*, National Grantee Workshop for Digital Government Researchers: "dg.o 2004," Seattle, WA (May 2004)

*Technological Innovations and Tools to Enable Public Participation and Manage Public Comments*, Law and Society Association (May 2004) [Invited]

*Technological Innovations and Tools to Enable Public Participation and Manage Public Comments*, American University E-Rulemaking Conference (January 2004) [Invited]

*Information Access and Presentation to Support the Writing of Regulations*, U.S. Environmental Protection Agency (December 2003) [Invited]

*Information Access and Presentation to Support the Writing of Regulations*, U.S. Department of Transportation and the Federal eRulemaking Initiative Advisory Board (October 2003) [Invited]

*Information Access and Presentation to Support the Writing of Regulations*, eRulemaking Workshop at the National Science Foundation, Arlington, VA (September 2003)

*Roundtable on Digital Government Research Trends: Emergence & Evolution*, American Political Science Association, Philadelphia, PA (August 2003) [Organizer]

*Digital Citizenship*, Ed-Tech Grantee Workshop for "ITR" Researchers, Boulder, CO (July 2003) [Invited]

*Digital Citizenship: Parameters of the Digital Divide*, National Grantee Workshop for Digital Government Researchers: "dg.o 2003," Boston, MA (May 2003)

*Digital Citizenship: A Pathway to Environmental Justice*, Western Political Science Association, Denver, CO (March 2003)

*Curriculum Innovation in General Education*, AAC&U Network for Academic Renewal Conference: Faculty Work and Student Learning: Meeting New Challenges of a World in Transition, Indianapolis, IN (November 2002)

*Integrating Science and Public Values in Environmental Decision-Making: The Role of the Internet in Public Participation*, Euricom Colloquium, Nijmegen, Holland (October 2002) [Invited]

*Digital Citizenship: Expanding Information Technology Literacy with a Service-Learning Approach*, American Political Science Association, Boston, MA (August 2002)

*Electronic Rulemaking: New Frontiers in Public Participation*, American Political Science Association, Boston, MA (August 2002)

*Digital Citizenship: Lessons Learned as Service-Learning Meets the Digital Divide*, National Grantee Workshop for Digital Government Researchers: "dg.o 2002," Los Angeles, CA (May 2002)

*Digital Citizenship: A Pathway to Environmental Justice*, Interdisciplinary meeting: "Environmental Justice and Global Citizenship," Copenhagen, Denmark (February 2002)

*Digital Citizenship: Expanding Information Technology Literacy with a Service-Learning Approach*, Annual Meeting of the American Association of Colleges and Universities, Washington, DC (January 2002)

*Electronic Rulemaking and the Future of Citizen/Government Interaction*, Agriculture, Food, and Human Values Society, Minneapolis, MN (June 2001)

*Citizen Agenda-Setting: The Electronic Collection and Synthesis of Public Commentary in the Regulatory Rulemaking Process*, National Grantee Workshop for Digital Government Researchers: "dg.o 2001," Los Angeles, CA (May 2001)

*Citizens, Science, and the Democratic Process: The USDA's National Organic Program*, Taking Nature Seriously, Eugene, OR (February 2001)

*Citizen Agenda-Setting and the National Organic Program*, American Political Science Association, Washington, DC (September 2000)

*Citizen Agenda-Setting and the National Organic Program*, Agriculture, Food, and Human Values Society, New York, NY (June 2000)

*Citizen Agenda-Setting and the National Organic Program*, Western Political Science Association, San Jose, CA (March 2000)

*Issue Emergence and Agenda-Setting in the Progressive Era Print Press*, Social Science History Association, Fort Worth, TX (November 1999)

*Agrarian Agenda-Setting in the Progressive Era Business Press*, American Journalism Historians Association, Portland, OR (October 1999)

*Convergence of Concern: Urban Agrarians and Soil Fertility, 1907-1916*, Agriculture, Food, and Human Values Society, Toronto, Ontario (June 1999)

*Issue Emergence, Agenda-Setting, and (Re)Framing in the Progressive Era Print Press*, American Political Science Association, Boston, MA (September 1998)

*Farm Organizations and Rural Co-operative Credit in the 1910s*, Agriculture, Food, and Human Values Society, San Francisco, CA (June 1998)

*The Farm Press and Farm Credit, 1912-1916*, Western Political Science Association, Los Angeles, CA (March 1998)

*The Farm Press and Rural Credit, 1910-1916*, Northwest Political Science Association, Coeur d'Alene, ID (October 1997)

*Business Roots of an Urban Agrarian Credit Reform, 1900-1916*, American Political Science Association, Washington, DC (August 1997)

*Urban Agrarians, Business, and Credit Reform, 1907-1916*, Agriculture, Food, and Human Values Society, Madison, WI (June 1997)

*Urban Agrarians and the Role of Business in Agricultural Finance Policy*, Western Political Science Association, Tucson, AZ (March 1997)

*State Intervention in Agricultural Capital Markets*, Meeting of the International Federation of Organic Agriculture Movements, Copenhagen, Denmark (August 1996)

*State Intervention in Agricultural Capital Markets: The Rural Credit Reform Movement in the American Context*, Western Political Science Association, San Francisco, CA (March 1996)

*The Role of the State in Agricultural Capital Markets*, Interdisciplinary meeting on The Politics of Sustainable Agriculture, Eugene, OR (October 1995)

## OUTSIDE REFERENCES

### **Lawrence Brandt**

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### **Dr. Mack C. Shelley**

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### **Dr. Joe Cammarano**

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University of Southern California  
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### **David Lazer**

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Government, Harvard University  
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### **Jerry Goldman**

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Northwestern University  
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### **Peter Strauss**

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Columbia University  
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