**CHRISTINE MEISNER ROSEN**

***Curriculum vitae***

**ADDRESS** Walter A. Haas School of Business

 University of California

 Berkeley, CA 94720-1900

 (510) 642-8695

**EDUCATION**

Ph.D., Harvard University, November 1980, American History

M.A., Harvard University, 1974, American History

B.A., Wellesley College, 1973, History

**CURRENT ACADEMIC APPOINTMENT**

1992 to Associate Professor, Business and Public Policy

Present Walter A. Haas School of Business

 University of California, Berkeley

2010 to Associate Director for Business and Economics

Present Berkeley Center for Green Chemistry

 Berkeley Institute for the Environment

 University of California, Berkeley

**PAST ACADEMIC APPOINTMENTS**

2006 to Director of the American Studies Undergraduate Interdisciplinary Major

2011 University of California, Berkeley

1983-92 Assistant Professor, Business and Public Policy, Haas School of Business, University of California, Berkeley

1982- 83 Lecturer, Business and Public Policy, Haas School of Business

 University of California, Berkeley

1983 Lecturer, Legal Studies Program, University of California, Berkeley

1982 Lecturer, Department of History, University of California, Berkeley

1979 Lecturer, Department of City and Regional Planning, University of California, Berkeley

1976-77 Instructor, Department of History, Princeton University

**HONORS**

Second Prize, EBF Online debate “Has the Idea of Corporate Social Responsibility Outlived its Usefulness?” European Academy of Business in Society, Vlerick Leuven Gent Management School and European Business Forum (EBF) Magazine, November 2004.

Abel Wolman Award for Best Book on the History of Public Works, 1987 (awarded by American Public Works Association and Public Works Historical Society for my book, The Limits of Power)

Honorable Mention, John Hope Franklin Award for Best Book in Interdisciplinary History, 1987 (awarded by the American Studies Association for my book, The Limits of Power)

**FELLOWSHIP, GRANTS**

Co-Principal Investigator (with Alastair Iles and Megan Schwarzman), “Public Ethics for Greening Chemistry: An Experimental Learning Approach,” National Science Foundation Ethics Education in Science and Engineering Program, (PHY-1134364) $299,904, (10/01/2011 – 9/30/2013, extended to 12/30/14).

GROUP Summer Apprenticeship (for research for my forthcoming book, “Green Beginnings: Business Leadership and the Problem of Industrial Pollution in America, 1840-1920”), Geballe Research Opportunities for Undergraduates Program, Doreen B. Townshend Center for the Humanities, Summer 2005.

Research Assistantship in the Humanities, University of California, Berkeley, Fall 1998.

Co-Principal Investigator (with Paul Sheng, Catherine P. Koshland, David Dornfeld and Sara Beckman), "Hierarchical Decisionmaking in Life Cycle Processing and Planning for Computer and Electrical Products," National Science Foundation (DMI-94211194) $200,000, 1/1/95 - 12/31/96

Co-Principal Investigator (with Catherine P. Koshland), "Barriers to Hazardous Waste Minimization by Small Generators," University of California Toxic Substances Research and Teaching Program $18,530, 7/1/94 - 6/30/95

Faculty Career Development Grant, University of California, Berkeley, Fall 1989, to support research on history of pollution regulation

Harris Trust Research Grant, Institute for Governmental Studies, University of California, 1987, funding for research on history of pollution regulation

Research Grant from National Fire Prevention and Control Administration #76007, 1976-1977, participant in group project, dissertation support

Charles Warren Center Summer Grant, 1976, for dissertation research

Harvard Fellowship, 1973-1975

Wellesley Trustee Scholarship for Graduate Study

**PROFESSIONAL SERVICE**

Editorial Boards

**Environmental History**, 2001 - 2015

**California Management Review**, 2002 – 2016

American Society for Environmental History

Executive Committee, 1994-01 (elected position)

Leopold-Hildy Prize Committee, 2001 – present

Alice Hamilton Prize Committee, 2003-2004

George Perkins Marsh Prize Committee, 1996-1997, 1998-99

Business History Conference

Board of Trustees, 1994-1997, 2006-2009, (elected position)

Program Committee for 2007

Hagley Book Prize Committee 2006

Newcomen Dissertation Prize Committee 2005

 Newcomen Prize Committee, 2002-2004 (Chair, 2003)

 Chair, Dissertation Session and Herman E. Krooss Prize Committee, 1996

Member of the Advisory Committee of the Planning for California Chemical Policy Initiative, California Policy Research Center, University of California Office of the President, 2004-2005

 (provided technical oversight for a report prepared for California Senate Environmental Quality Committee and California Assembly Committee on Environmental Safety and Toxic Materials).

Economic and Business History Society

 President and Program Chair, 1987-1988

 Board of Trustees, 1984-1990

Society for American City and Regional Planning History

 Lewis Mumford Prize Committee, 1989-1990

Public Works Historical Society

 Nominating Committee, 1987-1989

Berkeley Faculty Association

Secretary, 2002 – 9/2009

Co-Chair, 9/2009 – 2015

Vice-Chair 2016 – present

Council of University Faculty Associations (University of California)

Secretary, 2003 – 2012

Secretary/Treasurer, 2013 – present

Association of Academic Women, University of California, Berkeley

 Board, 1991 - 2009

 President, 1995-1997

 Co-President, 1994-1995

 Treasurer, 1991-1994

UC Berkeley Senate Committee participation

 Parking Committee 1994 – 1999

 Status of Women and Ethnic Minorities (SWEM) 2003-2008

 Library Committee 2015 - present

**FIELDS OF RESEARCH SPECIALIZATION**

American Environmental History

American Business History

Corporate Environmental Strategy and Management

**REFEREED PUBLICATIONS**

**Books**

**Green Beginnings: Business Leadership and the Problem of Industrial Pollution in America, 1840-1920,**  (forthcoming, under contract with Harvard University Press).

**The Limits of Power: Great Fires and the Process of City Growth in America** (New York: Cambridge University Press, 1986).

 *Winner*, Abel Wolman Award, 1987.

 *Honorable Mention*, John Hope Franklin Award, 1987.

**Peer Reviewed Articles, Chapters, Cases, Edited Volumes**

(With Abigail Martin and Alastair Iles), “Applying Utilitarianism and Deontology in Managing Bisphenol-A Risks in the United States,” in Joachim Schummer and Tom Borsen (eds.), *Ethics of Chemistry: From Poison Gas to Climate Engineering*, (Singapore: World Scientific Publishing, 2021), 249-278.

(With Alastair Iles and Abigail Martin), “Undoing Chemical Industry Lock-ins: Polyvinyl Chloride and Green Chemistry,” in Joachim Schummer and Tom Borsen (eds.), *Ethics of Chemistry: From Poison Gas to Climate Engineering*, (Singapore: World Scientific Publishing, 2021), 279-316.

With Akos Kokai and Alastair Iles), "Green design tools: Building values and politics into material choices," *Science, Technology, & Human Values* (Dec. 3, 2020), 1-33.  <https://doi.org/10.1177/0162243920976840>

(With Susie Levy and Alastair Iles), "Mapping the Product Life Cycle: Rare Earth Elements in Electronics,” *Case Studies in the Environment*, (Sept. 2017) DOI: <https://doi.org/10.1525/cse.2017.000265>.

(With Alastair Iles and Abigail N. Martin), “Undoing Chemical Industry Lock-ins: Polyvinyl Chloride and Green Chemistry,” *HYLE – International Journal for Philosophy of Chemistry*, Vol. 23 (2017), 55-86. . <http://www.hyle.org/journal/issues/23-1/iles2.htm>

“Business Leadership in the Movement to Regulate Industrial Air Pollution in Early and Late Nineteenth Century America,” in Hartmut Berghoff and Adam Rome (eds), ***Green Capitalism? Business and the Environment in the Twentieth Century***, (University of Pennsylvania Press: 2017).

(With Abigail N. Martin and Alastair Illes), Applying Utilitarianism and Deontology in Managing Bisphenol-A Risks in the United States*,” HYLE – International Journal of the Philosophy of Chemistry,* Vol. 22, No. 1 (2016), pp. 79-103.[*http://www.hyle.org/journal/issues/22-1/iles.htm*](http://www.hyle.org/journal/issues/22-1/iles.htm)

“What is Business History?” ***Enterprise and Society: The International Journal of Business History*,** (September 2013), 475-485.

“Fact Versus Conjecture in the History of Industrial Waste Utilization,” ***Economic Journal Watch****,* (May 2012) 112-121. <http://econjwatch.org/articles/fact-versus-conjecture-in-the-history-of-industrial-waste-utilization>

“Comment: Conceptualizing Hazards,” in Paul D. Blanc, MD and Brian Dolan, PhD ( eds), ***At Work in the World: Proceedings of the Fourth International Conference on the History of Occupation and Environmental Health*** (San Francisco: University of California Medical Humanities Press, 2012), 29-32.

The Role of Business Leaders in Community Sustainability Coalitions: An Historical Perspective,” in Woodrow W. Clark II (ed.), ***Sustainable Communities*,**(Springer: 2010).

“Business Leadership in the Movement to Regulate Industrial Air Pollution in Late Nineteenth and Early Twentieth Century America,” ***Jahrbuch für Wirtschaftsgeschichte / Economic History Yearbook****,* 2(2009). <https://doi.org/10.1524/jbwg.2009.50.2.23>

“The Role of Pollution Regulation and Litigation in the Development of the U.S. Meatpacking Industry, 1865-1880,”***Enterprise and Society: The International Journal of Business History*** (June 2007), 297-347. DOI: <https://doi.org/10.1093/es/khm026>

“Doing Business History in the Age of Global Climate Change,” ***Enterprise and Society: The International Journal of Business History*** (June 2007), 221-226. [www.jstor.org/stable/23700976](http://www.jstor.org/stable/23700976).

“Environmental Sustainability in the Twenty-first Century,” in “Films Every Environmental Historian Should See,” ***Environmental History*** (April 2007), 362-364. <https://www.jstor.org/stable/25473094>

“Business and the Environment,” (with Christopher C. Sellers), in Regina Lee Blaszczyk and Philip B. Scranton (eds.), ***Major Problems in American Business History: Documents and Essays***, (Boston and New York: Houghton Mifflin Company, 2006), 28-35

(*reprinting of “The Nature of the Firm: Towards an Eco-cultural History of Business,” (with Christopher Sellers),* ***Business History Review*** *(Winter 1999)*.

“The Business-Environment Connection,” in “Anniversary Forum: What’s Next for Environmental History?” ***Environmental History*** (January 2005), 77-79.

“CSR Must Take Account of Market System Flaws,” in “Has CSR Outlived its Usefulness?” ***European Business Forum*** (Winter 2005), 33.

“'Knowing' Industrial Pollution: Nuisance Law and the Power of Tradition in a Time of Rapid Economic Change, 1840-1865,” ***Environmental History*** (October 2003), 563-595. <https://www.jstor.org/stable/pdf/3985884.pdf>

“Industrial Ecology and the Transformation of Corporate Environmental Management: A Business Historian’s Perspective,” in Arthur Molella and Joyce Bedi (eds.), ***Inventing for the Environment*,** (Cambridge: MIT Press in association with the Lemuelson Center, Smithsonian Institution, Washington, D.C., 2003), 318-338.

“Product Recovery With Some Byte: An Overview of Management Challenges and Environmental Consequences in Reverse Manufacturing for the US Computer Industry,” (with Charles D. White, Eric Masanet, and Sara L. Beckman), 11 ***Journal of Cleaner Production***, 4 (June 2003), 445 - 458. <https://www.sciencedirect.com/science/article/pii/S0959652602000665>

“The Role of Voluntary Industry Standards in Environmental Supply Chain Management: An Institutional Economics Perspective,” (with Sara Beckman and Janet Bercovitz), 6 ***Journal of Industrial Ecology*** (Summer-Fall 2002), 103-124. <https://onlinelibrary.wiley.com/doi/pdf/10.1162/108819802766269557>

“Environmental Strategy and Competitive Advantage: An Introduction,” ***California Management Review*** (Spring 2001), 8-15. <https://eds.a.ebscohost.com/eds/pdfviewer/pdfviewer?vid=0&sid=350e460b-2493-4b9e-8c72-b0cbb0599a51%40sessionmgr4007>

Guest Editor of “Environmental Strategy and Competitive Advantage,” ***California Management Review*** *(*Spring 2001), 8-84.

“Environmentally Sound Supply Chain Management: Implementation in the Computer Industry,” (with Sara Beckman and Janet Bercovitz) in Christian Madu (ed.), ***Handbook of Environmentally Conscious Manufacturing***, (Kluwer Academic Publishers, 2001). 362- 383).

“Environmental Supply Chain Management in the Computer Industry: A Transactions Cost Economics Perspective,” (with Janet Bercovitz and Sara Beckman), 4 ***Journal of Industrial Ecology*** (Fall, 2000), 83-103. <https://onlinelibrary.wiley.com/doi/pdf/10.1162/10881980052541963>

“The Nature of the Firm: Towards an Eco-cultural History of Business,” (with Christopher Sellers), ***Business History Review*** (Winter 1999), 577-600. <https://www.cambridge.org/core/services/aop-cambridge-core/content/view/517C2AE42DD6959EEB3EB3E8157D524D/S0007680500062437a.pdf/the-nature-of-the-firm-towards-an-ecocultural-history-of-business.pdf>

Co-guest editor (with Christopher Sellers) of “Special Issue on Business and the Environment,” ***Business History Review*** (Winter 1999).

“The Costs and Benefits of Pollution Control in Pennsylvania, New York, and New Jersey, 1840-1906, ***Geographical Review*** 88 **(**April 1998), 219-240. <https://onlinelibrary.wiley.com/doi/pdf/10.1111/j.1931-0846.1998.tb00106.x>

“Industrial Ecology and the Greening of Business History,” ***Business and Economic History***, (Fall 1997), 123-137. <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.392.3514&rep=rep1&type=pdf>

“Noisome, Noxious, and Offensive Vapors, Fumes, and Stenches in American Towns and Cities, 1840-1865,” ***Historical Geography*** 25 (1997), 49-82.

“Dissertation Session Comments,” 25 ***Business and Economic History***, 1 (Fall 1996), 38-45.

"Businessmen Against Pollution in Late Nineteenth Century Chicago," ***Business History Review*** (Autumn, 1995), 351-397.

"The Importance of an Urban Perspective in Environmental History" (with Joel Tarr), ***Journal of Urban History*** (May 1994), 299-310.

Special Issue on the City and the Environment (coedited with Joel Tarr), ***Journal of Urban History*** (May 1994).

"Balancing Doctrine in Pollution Nuisance Law: Differing Perceptions of the Value of Pollution Abatement Across Time and Place, 1840-1906," ***Law and History Review*** (Fall 1993), 303-380.

"Business, Democracy and Progressive Reform in the Redevelopment of Baltimore after the Great Fire of 1904," ***Business History Review*** (Summer, 1989), 283-328.

"Pollution Control in Late 19th Century America," in Edwin J. Perkins (ed.), **E*ssays in Economic History***, Vol. VI (Los Angeles, Business and Economic Historical Society, 1988), pp. 13-26.

"After the Fire: Politics and the Rebuilding of Boston's Public Works," in ***Planning and Financing Public Works: Three Historical Cases***, Essays in Public Works History, No. 15 (Chicago, Public Works Historical Society, 1987), 3-20.

"The Power of Business Elites in the History of the City," ***Reviews in American History*** (June 1987), 301-307.

***The Limits of Power: Great Fires and the Process of City Growth in America*** (New York: Cambridge University Press, 1986).

 *Winner*, Abel Wolman Award, 1987.

 *Honorable Mention*, John Hope Franklin Award, 1987.

"Infrastructural Improvement in 19th Century Cities: A Conceptual Framework and Cases," 12 ***Journal of Urban History*** (May 1986), 211-256.

"Class Tensions and the Mechanisms of Social Control: The Housing Experience," Comment in Bruce Stave (ed.), ***Modern Industrial Cities: History, Policy, and Survival*** (Beverly Hills: Sage Publications, 1982), 165-175.

"Samuel T. Armstrong," "Samuel A. Eliot," "Jonathan Chapman," "Martin Brimmer," "Thomas A. Davis" (biographies of Boston Mayors) in Melvin G. Holli and Peter D'A. Jones (eds.), ***Biographical Dictionary of American Mayors*** (New York: Greenwood Press, 1982).

**Public Ethics in Green Design Teaching Cases**

 ***(****funded by**National Science Foundation Ethics Education in Science and Engineering*

*Program grant, PHY-1134364)*

With Abigail N. Martin, *Case Study 1: An Introduction to Systems Thinking for Sustainable Innovation: The Case of Electric Vehicles*, Berkeley Center for Green Chemistry, University of California Berkeley, (2014).

With Abigail N. Martin, *Case Study 2:* *PVC: Green Materials from a Life Cycle Perspective*, Berkeley Center for Green Chemistry, University of California Berkeley (2013).

With Abigail N. Martin, *Case Study 3: Moral Agency in the Design and Use of Sustainable Materials*, Berkeley Center for Green Chemistry, University of California Berkeley, (2014).

With Laura Moreno and Alastair Iles, *Case Study 4: The Psychological, Social, and Organizational Challenges of Green Design*, Berkeley Center for Green Chemistry, University of California Berkeley, (2015).

With Susie Levy, *Case Study 5: Applying Life Cycle Ethics: Rare Earth Elements in Electronics and Green Energy/Products*, Berkeley Center for Green Chemistry, University of California Berkeley, (2015).

With Carl F. Cranor, Case Study 7: *The Tort Law as an Agent for Encouraging Sustainable Design*, Berkeley Center for Green Chemistry, University of California Berkeley (2015).

With Laura Moreno (with the assistance of Susie Levy), *Case Study 9: Change Through Corporate Supply Chain Initiatives: Retailer Sustainability Initiatives at Walmart*, Berkeley Center for Green Chemistry, University of California Berkeley, (2015).

With Akos Kokai and Alastair Iles,  *Case Study 10: The Public Ethics of Green Design Tools in the Building Industry*, Berkeley Center for Green Chemistry, University of California Berkeley, (2014).

**Book Reviews**

Review of Risk and Ruin: Enron and the Culture of American Capitalism, by Gavin Benke, **Journal of Southern History** (forthcoming).

Review of The Great Lead Water Pipe Disaster, by Werner Troesken, **Environmental History**,(October, 2010), 795-796.

Review of Urban Sprawl, Global Warming, and the Empire of Capital, by George A. Gonzalez, **Business History Review** (Summer 2010).

Review of Nuclear Implosions: The Rise and Fall of the Washington Public Power Supply System, by Daniel Pope. **Business History Review** (Summer 2009).

Review of The Culture of Flushing: A Social and Legal History of Sewage, by Jamie Benidickson. **Environmental History** (October 2007), 1002-1003.

Review of Cash for Your Trash: Scrap Recycling in America, by Carl A. Zimring. **Technology and Culture** (April 2007), 426-427.

Review of Diamond: A Struggle for Environmental Justice in Louisiana’s Chemical Corridor, by Steve Lerner, **Enterprise and Society** (March 2006), 221-223.

Review of Deceit and Denial: The Deadly Politics of Industrial Pollution, by Gerald Markowitz and David Rosner, **Environmental History** (January 2004), 147-148.

Review of The Sanitary City: Urban Infrastructure in America from Colonial Times to the Present, by Martin V. Melosi, **Urban History** (December 2002), 445-446.

Review of Thomas D. Beamish, Silent Spill: The Organization of an Industrial Crisis, **Enterprise and Society** (December 2002), 751-753.

Review of Smelter Smoke in North America: The Politics of Transborder Pollution by John D. Wirth, **Journal of American History** (March 2001), 1593-1594.

Review of Cleaning up the Great Lakes: From Cooperation to Confrontation by Terence Kehoe, **Business History Review** (Winter 1998), 660-663.

Review of Hazards of the Job: From Industrial Disease to Environmental Health Science by Christopher C. Sellers, **Environmental History** (October 1997), 493-496.

Review of Constructing Urban Culture: American Cities and City Planning, 1800-1920 by Stanley K. Schultz, **Technology and Culture** (March 1993).

Review of The City and Technology (special issue of *Journal of Urban History*. Vol. 14, no.1, 1987) , edited by Mark Rose and Joel A. Tarr, **Technology and Culture** (October 1989).

Review of The Parameter of Urban Fiscal Policy: Socioeconomic Change and Political Culture in San Francisco 1860-1906 by Terrence J. McDonald, **Journal of Economic History** (June 1988).

Review of The Hawks Nest Incident: America's Worst Industrial Disaster by Martin Cherniak, **Business History Review** (Spring 1988).

Review of The Fisherman's Problem: Ecology and Law in the California Fisheries 1850-1980) by Arthur McEvoy, **Business History Review** (Winter 1987).

Review of Coal Firms under the New Social Regulation by Richard A. Harris, **Business History Review** (Spring 1987).

**PROFESSIONAL PRESENTATIONS**

Participant “Capitalism and the Environment,” *Zoom* *Symposium*, American Society for Environmental History, Center for Ecological History, Renmin University of China, Beijing; and the Rachel Carson Center for Environment and Society, LMU, Munich, (April 23, 2021).

“Revolutionizing Renewable Energy in Developing Countries,” *BERC-U (Berkeley Energy and Resources Collaborative – Undergraduate) Panel*, University California, Berkeley, (April 22, 2021).

Participant, “Corporate Leadership in the Fight against Climate Change: What is Happening Now and What History Can Teach Us,” *American Studies Spring Colloquium*, University California, Berkeley, (May 10, 2019).

Participant, *Roundtable on “American Environmental Reform since the Turn of the Millennium,”* American Society for Environmental History, April 13, 2019, Columbus Ohio.

Chair, *“Markets and the Environment 1: The Environmental Logics of Finance,”* American Society for Environmental History, April 12, 2019, Columbus Ohio.

Chair, *“How Nature Met the Market: Histories of American Agriculture,”* American Society for Environmental History, April 11, 2019, Columbus Ohio.

“The Second-wave of Progressive Era Anti-Pollution Reform,” U.C. Berkeley Americanist Group Seminar, Sept. 30, 2018, Berkeley CA.

 “Business Leadership in the Fight Against industrial and Excremental Water Pollution” in *“Capitalism, Finance, and the Environment*,” Business History Conference Annual Meeting, Baltimore, April 6, 2018.

Chair, *Capitalism and Nature*,” American Society for Environmental History, Riverside CA, March 17, 2018.

Chair, “Corporate Environmentalism? Business and the Environment Since 1960,” Panel, American Society for Environmental History, Chicago, March 30, 2017.

“Pushing Disciplinary Limits: Integrating Business and Environmental History,” *A New Materialism? The Economic and Beyond*, Joint AHA and Business History Conference Luncheon Panel Discussion, American Historical Association, January 6, 2017, Denver Co.

“The Dynamics of Successful Business Leadership” and “The Great Transformation,” U.C. Berkeley Americanist Group Seminar, June 12, 2016, Berkeley CA.

Chair and Commentator: *Panel on “Air Pollution and Community Health*,” American Society for Environmental History, April 2, 2017, Seattle.

“The Failure to Regulate Industrial Water Pollution in the 1870s,” U.C. Berkeley Americanist Group Seminar, April 12, 2015, Berkeley CA.

Participant, *Roundtable on “Legal History and Environmental History: What Can They Learn from Each Other?”* American Society for Environmental History, March 20, 2015, Washington D.C.

Moderator, *Roundtable on “Environmental Histories of Capitalism,”* American Society for Environmental History, March 19, 2015, Washington D. C.

“What Case Law Can Tell Us About the Evolution of American Pollution Beliefs,” *Roundtable:* *Legal History and Environmental History: What Can They Learn From Each Other?*  American Society for Environmental History, Washington D.C., March 20, 2015.

“The Discovery of the New Industrial Pollution,” Newberry Library’s History of Capitalism Seminar, November 15, 2013, Chicago IL.

 “What is Business History?” *Hagley Symposium: How to Do Things with Time: Reflections on Method and Practice in Business History*, Hagley Center for the History of Business, Technology, and Society, Wilmington DE. May 18, 2012.

“Chapter 11: The Challenges of Regulating Industrial Smoke and Stench in the 1880s,” U.C. Berkeley Americanist Group Seminar, August 24, 2014, Berkeley CA.

“Sanitarians Confront the Hazard of Industrial River Pollution” U.C. Berkeley Americanist Group Seminar, June 16, 2013.

“Introduction to my Book: Take One,” U.C. Berkeley Americanist Group Seminar, March 11, 2013.

“Confronting the New Industrial Water Pollution: Action, Inaction, Conflict and Confusion,” U.C. Berkeley Americanist Group Seminar, Nov. 6, 2011.

“Regulation and Abatement of the New Industrial Air Pollution: The Struggle Begins,” U.C. Berkeley Americanist Group Seminar, Nov. 17, 2010.

Panelist, “Panel Discussion and Q &A” for Keynote Address by Christopher Sellers, “Occupation, Environment, and Health: A History of Interdependence,” *Fourth International Conference on the History of Occupational and Environmental Health*, San Francisco, CA, June 19-22, 2010.

Industrial Pollution in American Life: Perception vs. Cultural Representation vs. Reality,” *American Studies International Research Group:* *Conference on Visual Culture*, Giverny, France, May 31, 2010.

"A Contested Liability," U.C. Berkeley Americanist Group Seminar, April 18, 2010.

"The Discovery of the New Industrial Pollution," U.C. Berkeley Americanist Group Seminar Dec. 13, 2009.

“Business Leadership and Environmental Reform in Late 19th Century U.S.,” Deutscher Historikertag, Dresden Germany, October, 1, 2008.

“Business Leadership and Environmental Reform: Connecting the 19th and 21st Centuries,” *The American Studies International Consortium:* *The U.S.A. in the World, the World in the U.S.A*, University of California, Berkeley, June 19, 2008.

“A New Standard of Liability for Pollution Nuisances in the Meat Packing and Animal Waste Processing Industries: The Courts and the Abatement Ideal, 1860-1870,” UC Berkeley Americanist Group Seminar, May 11, 2008.

“Business Leadership and Environmental Reform: Connecting the 19th and 21st Centuries,” Business History Conference Annual Meeting, Sacramento, April 11, 2008.

"Pollution Abatement in the Traditional Nuisance Industries, 1865-1890,” Business History Conference, Minneapolis, May 21, 2005

"Stopping Stench and Other Forms of Industrial Pollution: The Role of the Courts in Pollution Abatement in the Meatpacking Industry, 1860-1880," *American Studies Program Spring Colloquium*, University of CA, Berkeley, May 7, 2004.

“Spatial Aspects of Pollution Abatement in the Meatpacking Industry 1860-1880,” American Society for Environmental History and the National Council on Public History 2004 Joint Annual Meeting, Vancouver, April 3, 2004.

“The Industrial Revolution and the Evolution of American Pollution Beliefs: Conflict and Confusion in the Courts, 1840-1864*,” Environmental Politics Colloquium*, University of California, Berkeley, November 19, 2003.

"Thinking Outside the Box of Extended Producer Responsibility: A Loose Loop Approach to Product Recovery," International Society for Industrial Ecology Annual Meeting, July 2, 2003, Ann Arbor, MI. (with Charles David White).

"Voluntary Standards in Environmental Supply Chain Management," BELL (“Business\*Environment\*Learning\*Leadership”) Conference, July 19-20, 2002, University of CA, Santa Barbara.

**“**Legal Responses to the Pollution of the American Industrial Revolution: Conflict and Confusion in the Courts: 1840- 1864,” paper presented at the *Smoke and Mirrors Workshop*, January 11-12, 2002, University of CA, Santa Cruz.

 “Conflict and Confusion in the Courts: Legal Responses to Industrial Pollution, 1840-1865,” and first take at a book outline for *To Quell the Raging Wastes: The American Response to Industrial Pollution, 1840-1920*, Americanist Group Seminar, University of California Berkeley, December 10, 2000.

“Product Recovery With Some Byte: An Overview of Management Challenges and Environmental Consequences in Reverse Manufacturing for the US Computer Industry,” (with Charles D. White, Eric Masanet, and Sara L. Beckman), working paper, August 2001.

“A Description of Computer Demanufacturing: New Challenges for Operations Management,” (With Chad White and Sara Beckman), working paper, Haas School of Business, April 2000

“Environmental Supply Chain Management in the Computer Industry: A Transactions Cost Economics Perspective,” (with Janet Bercovitz and Sara Beckman), working paper, Haas School of Business, October 1999

“The Nature of the Firm: Towards an Eco-cultural History of Business,” paper presented to East Bay Environmental History Group, September 8, 1999, and UCB Americanist Group, November 21, 1999.

“The Dawning Challenge of Environmentally Sound Supply Chain Management: A Study of Progress in the Computer Industry,” (with Janet Bercovitz and Sara Beckman), working paper, January 1999.

“Implementing Environmental Programs Across Dispersed Supply Chains,” (with Janet Bercovitz and Sara Beckman), paper presented to Academy of Management, August 1998, and BELL Conference, August 1999.

“Implementing Environmental Programs Across Dispersed Supply Chains: A Transactions Costs Framework for Conceptualizing Contract Hazards In Green Supplier Relations” (with Janet Bercovitz and Sara Beckman), Working Paper, Haas School of Business, January 1998.

“Industrial Ecology and the Greening of Business History,” *The Future of Business History: A Conference at the Hagley Museum and Library* (Wilmington, Delaware, April 4-5, 1997).

"Noisome, Noxious, and Offensive Vapors, Fumes, and Stenches and the Evolution of the American City, 1840-1865," UCB Americanist Group Seminar, September 15, 1996, and American Society for Environmental History (Baltimore, March 7, 1997).

"But Which Shall Give Way? The Contested Terrain of Pollution Nuisance Law in Pennsylvania and New York, 1840-1890," Business History Conference, College Park Maryland, March 16, 1998; American Society for Environmental History, Las Vegas, March 17, 1995; and Berkeley Americanist Group Seminar, July 1995. Earlier version given to Economic History Seminar, Departments of History and Economics, University of Colorado, Boulder, Colorado, November 12, 1994.

"Hierarchical Decision Making in Life Cycle Processing and Planning for Computer and Electronic Products" (with Paul Sheng, David Dornfeld, Cathy Koshland and Sara Beckman), Concept Paper for the NSF Management of Technological Innovation Program (1994).

"Businessmen Against Pollution: Chicago's Society for the Prevention of Smoke," paper presented to Business History Conference, Williamsburg, March 11, 1994. Earlier versions presented to Organization of American Historians, St. Louis, April 19, 1989; Academy of Management, August 14, 1989; Economic and Business Historical Society, Lexington, Kentucky, April 27, 1990; and Economic History Seminar, UCLA, December 5, 1990.

"Chicago's Society for the Prevention of Smoke: Education and the Law in the Fight Against Air Pollution in the 1890s," Business and Public Policy Working Paper No. BPP-45, Center for Research in Management, Walter A. Haas School of Business, University of California at Berkeley, October 1989.

"Differing Perceptions on the Value of Pollution Abatement across Time and Place: Balancing Doctrine in Pollution Nuisance Law 1840-1909," paper presented to American Society for Environmental History, Pittsburgh, March 4, 1993. Earlier versions presented to Economic and Business History Society, Houston, April 26, 1991; American Society for Legal History, Chicago, October 19, 1990; and Economic History Seminar, University of California at Berkeley, September 18, 1990.

"The Environmental and the Mechanized World," panel discussion, keynote plenary session, American Society for Environmental History, February 28, 1991.

"The Industrialized Environment: Pullman, Illinois," workship and walking tour presentation at Modes of Inquiry for American City History Conference, October 27, 1990, Chicago.

"Strategies for Changing Business Culture: The Management of Pollution Abatement by Businessmen in Chicago in the 1890s," paper presented to the Academy of Management, August 14, 1989, Washington, D.C. and to the Economic and Business Historical Society, April 27, 1990, Lexington, Kentucky.

"Cost Benefit Analysis in Pollution Law, 1840-1906," paper presented to Institute of Governmental Studies, University of California at Berkeley, April 26, 1989. Earlier version presented to Economic History Association, October 1987, San Francisco.

"A History of Pollution Regulation in the United States," Workshop presentation at Solving Environmental Problems: The Past as Prologue to the Present, program sponsored by the American Society for Environmental History and the Northwest Association for Environmental Studies, April 28, 1989, Olympia, Washington.

"A Litigious Approach to Pollution Regulation 1840-1906," paper delivered to the Economic and Business History Society, April 24, 1987, San Francisco.

"The Problems of Infrastructural Improvement: A Conceptual Framework," paper delivered to Berkeley-Stanford Economic History Seminar, Stanford University, February 26, 1987.

"Nuisance Law and the Regulation of Pollution 1840-1896," paper delivered to the American Society of Legal Historians, October 24, 1986, Toronto, Canada. Revised version given March 1987 to Economic History Seminar, Department of Economics, University of California at Berkeley.

"Business, Democracy, and Progressive Reform in Baltimore after the Great Fire of 1904," Business and Public Policy Working Paper No. BPP-14, Center for Research in Management, Haas School of Business, University of California at Berkeley. (1986).

"Pollution Control in Late 19th Century America," paper delivered at the Economic and Business History Society Meeting, Atlanta, Georgia, April 1986.

"The Problems and Processes of Infrastructural Improvement in Nineteenth Century Cities," Institute of Urban and Regional Development Working Paper No. 428 (July 1984).

"Urban Businessmen and Progressive Reform in Baltimore," paper delivered at the Economic and Business History Association meeting, Salt Lake City, March 1984.

"The Problems of City Building in 19th Century America," paper delivered at Institute of Urban and Regional Development, Urban History Dinner Seminar, February 16, 1986.

"Infrastructural Improvement in Chicago after the Great Chicago Fire," paper delivered at the Social Science History Association, Washington, D.C., October 1983.

"Land Use Change in the Central Business District of Boston after the Great Fire of 1872," paper delivered at the Conference on Canadian-American Urban Development: A Comparative Approach to the Urban Past," University of Guelph, August 24-28, 1982.

"Walking City into Industrial City: The Problems and Process of Spatial Change in Chicago after the Great Fire of 1871," paper delivered at the American Historical Association Convention, Washington, D.C., December 1980.

"Class Tensions and the Mechanisms of Social Control: The Housing Experience," comments on papers by Kenneth T. Jackson and Lutz Niethammer delivered at HUD Conference on the Dynamics of Modern Industrial Cities: Comparative Perspectives on Order and Disorder, Storrs, Conn., September 28-29, 1979.

"Implementing Green Programs" (with Sara Beckman and Paul Worhach), Seminar on Strategies and Methods in Environmentally Conscious Design and Manufacturing, Sun Microsystems, Menlo Park, California, March 27, 1995.

**LECTURES AND PRESENTATIONS TO OUTSIDE GROUPS**

“The Discovery of the New Industrial Pollution,” Newberry Library’s History of Capitalism Seminar, November 15, 2013, Chicago IL.

Testimony regarding the need for a well designed green chemistry and chemicals policy for California, delivered to a hearing before the California Senate Environmental Quality Committee, Senator Joseph Simitian, Chair, Sacramento California, June 28, 2006.

 “Alternative Visions,” *ReEnvisioning the Delta: “Hub of California’s Future*, Conference on the Future of the Bay Delta, Tommy Church Design Competition, Berkeley, CA., March 17, 2006.

“Costs and Benefits of Environmental Management Systems and ISO 14001 Certification,” Santa Clara Water District, Los Gatos, CA, June 8, 2005.

“A Business Historian’s Perspective on the Role of Industrial Ecology in Modern Corporate Environmental Management, ” *Lemuelson Center* *Symposium on Innovation and the Environment*, Museum of American History, Smithsonian Institution, Nov. 7, 1998.

“Implementing Environmental Programs Across Dispersed Supply Chains.” Lecture delivered to College of Engineering Industrial Liaison Program, March 12, 1997, and Design for Environment Workshop, Consortium for Green Design and Manufacturing, May 8, 1997.

“Industrial Ecology and Industrial Water Pollution Control: Historical Roots and Future Promise.” 13th Annual Frank Church Conference on Public Affairs: Troubled Waters, Preserving Life’s Most Precious Resource. Boise, Idaho, November 14, 1996.

"The Problems and Process of Public Works Development and Redevelopment." Lecture delivered to a meeting of Bay area members of the American Public Works Association, October 14, 1987.

"The Redevelopment of Public Works in Baltimore after the Great Fire of 1904." Lecture delivered to the annual meeting of Mid-Atlantic States chapter of the American Public Works Association, May 19, 1987.

"Is the Time for Corporate Social Responsibility Past?" Lecture delivered to Conference on Values in Turbulent Times, Rollo May Center for Humanistic Studies and Saybrook Society, May 14, 1987.

**CURRENT AND RECENT TEACHING:**

UGBA 193B – L&S 126: “Energy and Civilization” (with James Rector and Ahmed Badruzzaman). UC Berkeley Big Ideas Course Program, (2016-present).

UGBA-AS C 172: "History of American Business." (1999 – present).

Chem – SPH – ESPM - Eng 234: “Green Chemistry: And Interdisciplinary Approach to Sustainability,” (Sp 2011, Sp. 2013, Sp 2014).

ESPM 290 – MBA 296.1A: “Ethics and Decision Making in Green Product Design: Business, Science and Policy Perspectives,” (Sp. 2012).

ESPM 290 – MBA 290: “Designing Sustainable Materials and Products: Problem Solving for Society and the Environment,” (Sp. 2015).

MBA 290 – Eng 298 – Info 290: Energy, Sustainability, and Business Innovation (with Drew Isaacs) (2007- 2009)

**REFERENCES**

Available upon request.

Expert on history of business leadership of anti-air and water pollution movements and on today’s struggles over how to transition to clean energy