

# Curriculum Vitae

Patrick Carroll  
Associate Professor  
Department of Sociology  
Science & Technology Studies (STS) Program  
University of California, Davis  
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## Areas of Research

Science & Technology Studies (STS), Historical and Cultural Sociology, Material Culture Studies, Governance & State Formation, Theory.

## Degrees

Ph.D. Sociology & Science Studies, University of California, San Diego, 1999.

MA. Sociology, University of California, San Diego, 1995.

MA. Modern History - First Class Honors (US equiv. *summa cum laude*), National University of Ireland, Maynooth, 1991.

BA. History & Sociology - Double First Class Honors (US equiv. *summa cum laude*), National University of Ireland, Maynooth, 1989.

## Select Awards and Honors

National Science Foundation Grant for Project: "California Delta: The Engineered Heart of a Modern State Formation." \$163,000; funding period 2008-2011.

Mellon Sawyer Postdoctoral Fellowship, International Institute for Advanced Studies, New York University, 1998. \$36,000 (Declined in order to take faculty position at UC Davis).

Dissertation Fellowship, NSF/Science Studies Program. University of California, San Diego, 1995. \$25,000

Regents Fellowship, University of California, 1991. \$17,000

Fulbright Scholarship, Irish-American Fulbright Commission, 1991. \$8,000

Faculty of Arts Scholarship, National University of Ireland, Maynooth, 1989. \$6,000

### **Current Major Book Project**

*California Delta: The Engineered Heart of a Modern State Formation*. Funded by the National Science Foundation (\$163,000).

### **Publications**

Haraway, Sam and Patrick Carroll, "Actor-Network Theory," in James Mattingly and J. Geoffrey Golson (eds.), *The SAGE Encyclopedia of Theory*. Forthcoming.

Carroll, Patrick and Nathaniel Freiburger, "State-Environment Relationality: Organic Engines and Governance Regimes," in Daniel Kleinman and Kelly Moore (eds.), *Handbook of Science, Technology, and Society*. New York: Routledge, 2014.

Carroll, "Water and Technoscientific State Formation in California," *Social Studies of Science* 42:4 (2012), 489-516.

Review of: Jo Guldi, Roads to Power: Britain Builds the Infrastructure State, Technology and Culture (2012).

Carroll, "Articulating Theories of States and State Formation," *Journal of Historical Sociology*, 22:4 (2009), 553-603.

Review of: William Smyth, Map-making, Landscapes and Memory: A Geography of Colonial and Early Modern Ireland, c. 1530-1750, *American Historical Review* (2008).

Review of: Amy L. Fairchild, Ronald Bayer, and James Colgrove, Searching Eyes: Privacy, the State, and Disease Surveillance in America. Berkeley: University of California Press, 2007, *Journal of Interdisciplinary History*, (2008).

Review of: Oz Frankel, States of Inquiry: Social Investigations and Print Culture in Nineteenth-Century Britain and the United States. Baltimore, M.D.: Johns Hopkins University Press, 2006, *American Journal of Sociology* 113:3 (2007), 869-871.

Review of: Jonathan Engel, Poor People's Medicine: Medicaid and American Charity Care since 1965, *American Journal of Sociology* 112:5 (2007), 1581-1582.

Carroll, *Science, Culture, and Modern State Formation*. University of California Press: Berkeley, 2006.

Reviewed in: *Contemporary Sociology*; *American Journal of Sociology*; *Canadian Journal of Sociology*; *Social History*; *Social Studies of Science*; *Technology and Culture*; *Social History of Medicine*; *American Historical Review*; *Leonardo Reviews*; *Science Studies*.

Special Feature Review of: Pierre Bourdieu, Science of Science and Reflexivity, *Social Forces* 85:1 (2006), 583-585.

Review of: Margaret Jacob and Larry Stewart, Practical Matters: Newton's Science in the Service of Industry and Empire, *Journal of Social History* 31:2 (2006), 252-254.

Essay Review of: Michael Thad Allen and Gabrielle Hecht (eds) "Honoring Thomas Hughes, Appealing to Historians," Technologies of Power: Essays in Honor of Thomas Parke Hughes and Agatha Chipley Hughes, *Social Studies of Science* 35:2 (2005), 313-321.

Carroll, "Kilmainham Gaol," in *The Encyclopedia of Ireland*. Dublin: Gill & Macmillan, 2003.

Carroll-Burke, "Material Designs: Engineering Cultures and Engineering States - Ireland, 1650-1900," *Theory and Society*, 31 (2002), 75-114.

Carroll, "Medical Police and the History of Public Health," *Medical History*, 46 (2002), 461-494.

Review of: Maggie Mort, Building the Trident Network: A Study of the Enrollment of People, Knowledge and Machines, *American Journal of Sociology* 108:2 (2002), 502-504.

Carroll-Burke, "Moralizing Economics, Making the Social Scientific: From Political Economy to Social Economy in the Early NAPSS", *Histoire Sociale/Social History*, 35:69 (2002), 141-169.

Carroll-Burke, "Tools, Instruments, and Engines: Getting a Handle on the Specificity of Engine Science," *Social Studies of Science* 31:4 (2001), 593-626.

Review of: John Kurt Jacobsen, Technical Fouls: Democratic Dilemmas and Technological Change, *Contemporary Sociology* 30:5 (2001), 478-479.

Carroll-Burke, *Colonial Discipline: The Making of the Irish Convict System*. Dublin:

Four Courts Press, 2000.

Reviewed in: *British Journal of Criminology*; *Irish Historical Studies*; *Irish Studies Review*; *New Hibernia Review*; *Crime, Histoire, & Sociétés/Crime, History, & Society*; and online at <http://www.uhb.fr/langues/cei/escarb1.htm>; <http://www.emigrant.ie/files/indexfile.asp?id=245>

Carroll, "Science, Power, Bodies: The Mobilization of Nature as State Formation," *Journal of Historical Sociology* 9:2 (1996), 139-167.

Reprinted in Yoke-Sum Wong and Derek Sayer (eds.) *Twenty Years of the Journal of Historical Sociology* Vol. I, *Essays on the British State* (Blackwell Publishing: Malden MA, 2008).

## **Presentations**

"State/Environment Relationality: Organic Engines and Governance Regimes," American Sociological Association, San Francisco, August 2014.

"What Kind of 'Thing' is the Technoscientific State?," Society for Social Studies of Science, San Diego, October 2013.

"Nature, Environment, and the Technoscientific Enviro-State," Society for Social Studies of Science, Copenhagen, October 2012.

"Ontologies of the Technoscientific State: Heterogeneous Assembly, Obligatory Passage Point, and Discursive Punctualization," Society for Social Studies of Science, Cleveland, November 2011.

"Science and the State," commentary on papers presented at American Sociological Association, Las Vegas NV, August 2011.

"California: The Networking of Science and Governance and the Powers of the Modern State." Invited Keynote Presentation at the 2<sup>nd</sup> International Conference on Power and Knowledge, University of Tampere, Finland, September 2010.

"Governmentalities: Liberal, Police, and Engineering." Invited Keynote Presentation at the Nordic Summer School on History of Medicine, Tampere University, Finland, September 2010.

"California as a Technoscientific Actor-Network: Micro Practices, Macro Effects, and the Formation of the State as a 'Thing'." Society for Social Studies of Science, Tokyo, August 2010.

"Reclamation, Water Infrastructure, and Technoscientific State Formation in California." Society for Social Studies of Science, Washington DC, October 2009.

Presenter and Discussant, UC Davis Humanities Institute Conference: "California, the University, and the Environment: A Multidisciplinary Conference." May 2009.

"Science, Culture and Modern State Formation in Ireland and California." Council of European Studies, Chicago, March 2008.

"Beyond the Regulatory State Idea: The Constitutive State as a Co-production of Science and Government." Society for Social Studies of Science, Montreal, October 2007.

"From Landmass to Techno-territory: Engine Science and Modern State Formation." Society for Social Studies of Science, Vancouver, November 2006.

"Modern Engineering Culture and the Co-Production of Science and Governance." Session on Science, Ingenuity and Social Orders, American Sociological Association, Philadelphia, August 2005 (invited).

"Constructing Social Economy as a Moral Counter to Economics in Mid-nineteenth Century Social Science." Workshop on *Knowing Society, Making Society*, Science Studies Program, UC San Diego, June 2005 (invited).

"Engine Science and the Technoscientific State: Articulating Science Studies with Historical Sociology of State Formation." Science Studies Colloquium, UC San Diego, November 2004 (invited).

"The Science/State Plexus: Mutant Likely, Hybrid Surely, Monster Hardly." Science, Technology and Knowledge Section Session, American Sociological Association, San Francisco, August 2004.

"The Science/State Plexus Exemplified: The Case of the Irish Ordnance Survey: 1824-46." Society for Social Studies of Science, Cambridge MA, 2001.

"Land & Bodies as Boundary Objects Between Science and Government." Pacific Sociological Association, San Francisco CA, 2001.

"Tools, Instruments, and Engines: Getting a Handle on the Specificity of Scientific Practice". Conference by invitation on "The Demarcation Socialized." Cardiff University, Wales/UK, 2000 (unable to attend due to INS foreign travel restriction).

Co-organizer and participant, Discussion Panel on GMOs in Agriculture, Cultural Studies of Technoscience Series, University of California, Davis CA, 2000.

"Engineering States." Discussion Group on the State, St. Peter's College Oxford, England/UK, 2000 (invited).

"Engineering Cultures and the Technoscientific State: Science, Government and the Colonization of Natural Bodies in Ireland, 1650-1880." Council of European Studies

Annual Conference, Chicago IL, 2000.

"'What ish (sic) My Nation?' The New English and the New Science in Early Colonial Ireland." Society for Social Studies of Science Annual Conference, San Diego CA, 1999.

"Private Lives and Public Health: Articulating and Policing Imagined Boundaries." International Communication Association, San Francisco CA, 1999.

"Epistemic Communities: Science Studies Inside and Out." Cultural Studies Colloquium, University of California, Davis CA, 1999.

"Tools, Instruments, and Engines: Getting a Handle on the Material Culture of Scientific Practice." Society for Social Studies of Science, Halifax, Canada, 1998.

"Material Culture Studies as a Link between Micro and Macro in Science and Technology Studies." Refereed Round Table, American Sociological Association, San Francisco CA, 1998.

"Gender and Sexuality in Ireland: An Historical Perspective." Panel Discussion on Gender Roles Across Cultures." International Center, University of California, San Diego CA, 1998.

"Medical Police and the Public Health." History of Medicine and Public Health Colloquium, University of Michigan, Ann Arbor MI, 1998 (invited).

"Engine Philosophy, Engineering Cultures, and the Beginnings of Technoscience." Society for the Social Study of Science, Tucson AZ, 1997.

"Medical Police, Experimental Government, and the New Politics of the Body Natural." American Sociological Association. Round Table Session. Participant and Discussant. Chicago IL, 1997.

"Material Culture Studies and Historical Sociology." (with Chandra Mukerji) Panel on "New Directions in Cultural Approaches to Historical Analysis." American Sociological Association, Chicago IL, 1997.

"'Vexed by Art and Ways Unusual': Engine-uity and the New Science in Late Seventeenth Century England." Science Studies Colloquium Series, University of California, San Diego CA, 1997.

"Medical Police, Sanitary Engineering, and the Body of the Modern Body Politic." Pacific Sociological Association, San Diego CA, 1997.

"The Powers of Engine Philosophy." West Coast Society for the History of Science, Claremont CA, 1997.

"Science and Technologies of Ruling." Workshop on State Formation in

Comparative, Historical, and Cultural Perspectives, St. Peter's College, Oxford, England/UK, 1997.

"Nature Vexed and Disturbed: Enginery in Early Experimental Natural Philosophy." MEPHISTOS '96, Toronto, Canada, 1996.

"Science, Power, Bodies: The Mobilization of Nature as State Formation." Pacific Sociological Association, San Francisco CA, 1995.

### **Teaching – Sociology and STS, UC Davis**

Sociology 1:	Introduction to Sociology
Sociology 100:	Classical and Contemporary Theory
Sociology 176:	Sociology of Knowledge and Scientific Knowledge
Sociology 194:	Honors Seminar
Sociology 265A:	Classical Social Theory
Sociology 265B:	Contemporary Social Theory
STS 1:	Introduction to Science and Technology Studies
STS 180:	Special Topics -- Science and Power in California

### **Teaching – Associate Instructor, UC San Diego**

Sociology of the Body  
Our Bodies, Our Selves?: Race, Gender, and Sexuality in Contemporary Culture

### **Teaching – Graduate Student Teaching Assistant, UC San Diego**

The City and Social Theory  
Urban World System  
Comparative Urbanization  
The Making of the Modern World  
The Study of Society  
European History 1760-1870

### **Service – Professional**

Peer Reviewer:

*American Journal of Sociology*  
*Social Studies of Science*  
*Science, Technology, & Human Values*  
*American Historical Review*  
*Contemporary Sociology*  
*Social Forces*

*Journal of Historical Sociology*  
*Journal of Interdisciplinary History*  
*Science in Context*  
*The Sociological Quarterly*  
*Studies in Comparative International Development*  
*Left History*  
*Social Problems*  
*Technology and Culture*  
*Social History*  
*International Sociology*  
*Qualitative Sociology*

Associate Editor, *Irish Journal of Sociology*, 2014-2017.

Associate Editor, *Journal of Historical Sociology*, 2001-Present.

Nominated for Chair of the Science, Knowledge, and Technology (SKAT) section of the American Sociological Association, 2013.

Co-organizer, Session on "Science and the State," Section on Science, Knowledge, and Technology, American Sociological Association, Las Vegas, 2011.

Chair, Hacker-Mullins Best Student Paper Award Committee, Section on Science, Knowledge, and Technology, American Sociological Association, 2008-09.

Council Member, Section on Science, Knowledge, and Technology, American Sociological Association, 2008-10.

Organizer, "Cultural Formations of Science, Politics, and Economics," Council of European Studies, Chicago, March 2008.

Member, Hacker-Mullins Best Student Paper Award Committee, Section on Science, Knowledge, and Technology, American Sociological Association, 2007-2008.

Organizer, "Culture, Materiality, and the Modern City," regular section session, Section on Sociology of Culture, American Sociological Association Annual Conference, Montreal, Canada, 2006.

Member, Merton Book Prize Committee, Science, Knowledge and Technology Section, American Sociological Association, 2005.

Discussant, "Madness, Crime, Eradication: Practicing the State Through the Body," Society for Social Studies of Science Annual Conference, Pasadena, California, 2005.

Panel Participant, Author Meets Critics: Steven Fuchs, *Against Essentialism: A Theory of Culture and Society*. Pacific Sociological Association, San Francisco, April



2004.

Co-organizer: "New Directions in Studies of Science, Government and the State," Pacific Sociological Association, San Francisco, March 2001.

Co-organizer and participant, Discussion Panel on GMOs in Agriculture, Cultural Studies of Technoscience Series, University of California, Davis CA. 2000

Organizer: "Socio-Epistemic Orders: Natural Philosophies, Ontological Commitments, and Imagined Communities," Society for Social Studies of Science Annual Conference, San Diego, 1999.

NSF STS Program Panel Reviewer, Washington DC, October 2012.

Book Proposal Reviewer (2012): *Current Flow: The Electrification of Colonial Palestine*, by Ronen Shamir.

NSF Proposal Reviewer (confidential), (2010).

NSF Proposal Reviewer (confidential), (2009).

Book Proposal Reviewer (2009): *The Biopolitics of Contraceptive Research: Population, Women's "Choice," and the IUD*, by Chikako Takeshita.

Book Proposal Reviewer (2007): *Biometric Technology: Perspectives on the Panopticon*, by Lisa S. Nelson.

NSF Proposal Reviewer (confidential), (2007).

Social Sciences and Humanities Research Council of Canada Proposal Reviewer (confidential), (2007).

External Dissertation Committee Member for Lawrence Eng, STS, RPI. Served on Ph.D. Defense Committee, 2006.

Book Proposal Reviewer (2003): *Sociology of Science and Technology*, by Stephen Zehr.

Book Proposal Reviewer (2002): *Sociology of the Body*, by Loic Wacquant.

### **Service – Sociology Dept. and STS Program, UC Davis**

Program Committee, Science and Technology Studies Program, 1998-Present

Graduate Program Committee, 2013

Member, Non Senate Faculty Review Committee, 2012-2013

Chair, Non Senate Faculty Review Committee, 2011-2012

Chair, Undergraduate Program Committee, Dept. of Sociology, Winter-Spring 2010

Member, Non Senate Faculty Review Committee, 2009-2010

Representative to Academic Senate (1<sup>st</sup> alternate)

Comprehensive Examination Committee, Dept. of Sociology, 2009

Undergraduate Program Committee, Dept. of Sociology, Fall 2009

Sociology Representative to Academic Assembly, 2008-09

Undergraduate Program Committee, Dept. of Sociology, 2008-9

Lecturer Evaluation Committee, 2007-2009

Comprehensive Examination Committee, Dept. of Sociology, 2003-07

Computer Committee, Dept. of Sociology, 2003-06

Sociology Dept. Task Force on Policies and Procedures, 2005-06

Program Committee, Center for History, Society, and Culture

Sociology Representative to the Academic Senate, 2003-05 (alternate)

Commencement Ceremony, Letters & Sciences, 2002-04

STS Director Search Committee, 2004-05

STS Director Search Committee, 2003-04

Committee in Charge, Science and Society Program, 2003-04

STS Director Search Committee, 2000-01

Undergraduate Program Committee, 1998-99; 2000-01; 2002-03

Sociology Liaison, Education Abroad Program, 1998-99; 2000-01

Proseminar for New Graduate Students Department of Sociology, 1999

Computer Committee, Department of Sociology, 1999-2000

### **Service – UC Davis Campus**

Member, Graduate Council, 2010-13.

Chair, Educational Policy Sub-committee, Graduate Council, Fall 2011-2013

Member, Educational Policy Sub-committee, Graduate Council, Winter-Spring 2011

Chair, Educational Policy Sub-committee, Graduate Council, Fall 2010.

Member, Educational Policy Sub-committee, Graduate Council, 2010-11.

Sociology Representative to the Academic Senate Representative Assembly, 2008-11.

Sociology Representative (alternate) to the Academic Senate Representative Assembly, 2006-07

Participant and Discussant, Center for History, Society, and Culture, Annual Graduate Student Dissertation Weekend Retreat, 2006

Sociology Representative to the Academic Senate, 2005-06

Academic Senate Committee on International Scholars and Students, 2002-06

UC Davis Graduate Studies Committee on Graduate Student Support & Welfare 2003

Academic Senate Committee on Academic Personnel, Ad Hoc Promotion Review Committee, 2002-03

Program Committee, Center for History, Society, and Culture, 1999-02

Biotechnology Speakers Series Committee; Speakers Series Committee, Center for History, Society, and Culture, 2000-2001

Co-organizer, Colloquium Series: "Cultural Studies of Technoscience" Cultural Studies Program, 2000

Ad hoc Merit Review Committee, Department of Sociology, 1998

Guest Lecturer, Science and Society 1, 1998, 1999, 2000

### **Service – Graduate School, UC San Diego**

Special Executive Officer, Graduate Student Association (GSA), 1993-94

Graduate Representative, Student Regulations Revision Committee, 1993-94

President, Graduate Student Association, 1992-93

Graduate Student Association Representative to the Academic Senate, 1992-95

Volunteer Member, Groundwork Books, 1991-94

Sociology Representative, Graduate Student Association, 1991-92

### **Professional Affiliations**

American Sociological Association

Society for Social Studies of Science

### **Other Education Awards**

Certificate (With Distinction) in Estimating for Printing, British Printing Federation (Night School), 1985.

Certificate Print Production Management, City & Guilds of London. (Night School), 1984.

Senior Trade Certificate in Printing, Bolton Street College of Technology, Dublin, 1983.

Group Certificate, Vocational Education, Department of Education Ireland, 1977.

### **Other Employment**

Lithographic Printer, Denton Print, Dublin 14, Ireland, 1983-86.

Apprentice Letterpress and Lithographic Printer, Massey Brothers, Dublin 12, Ireland, 1979-83.

Factory Operative, Hughes & Coyle Electrical Engineers, Dublin 8, Ireland, 1978-79.