

# Matthew R. Keller

## Curriculum Vitae

Department of Sociology  
Southern Methodist University  
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<http://www.smu.edu/Dedman/Academics/Departments/Sociology/People/FacultyandStaff/Keller>

### Academic Positions and Affiliations

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2015-present	Associate Professor, Department of Sociology Markets & Culture Interdisciplinary Program Southern Methodist University
Spring 2018, 2018-19	Interim Department Chair, Department of Sociology, and Director, Markets & Culture Interdisciplinary program
2009-2015	Assistant Professor, Department of Sociology Southern Methodist University
Fall 2012	Visiting Associate, National Institute for Regional and Spatial Analysis National University of Ireland, Maynooth
Jan.-July 2009	Post-Doctoral Researcher, Project on Innovation Policy, Institute for Governmental Affairs, University of California, Davis

### Education

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2008	Ph.D. Sociology	University of California, Davis
	Dissertation: <i>Redrawing the Color-Line: How National Commissions Explained Collective Violence in the 20<sup>th</sup> Century</i>	
2002	M.A. Sociology	University of California, Davis
1995	B.A. Philosophy and Sociology (with Distinction)	University of Kansas
1991-2	Attended	Trinity University, San Antonio

### Publications

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#### Books

Fred Block and Matthew R. Keller, eds. 2011. *State of Innovation: The U.S. Government's Role in  
Technology Development*. Boulder: Paradigm.

- Translated into Mandarin (2017)

*Innovation in the Post-Industrial Era* (working title, under contract with Harvard University Press. With  
Fred Block and Marian Negoita)

## Articles and Book Chapters

Keller, Matthew R., Fred Block and Marian Negoita. 2017. "How does Innovation Work within the Developmental Network State? New Data on Public-Private Agreements in a U.S. Department of Energy Laboratory." *Sociologias* 19/46: 136-164.

-----, 2017. "Como se dá a inovação dentro do Estado Desenvolvimentista em Rede? Novos dados sobre acordos público-privados em um Laboratório do Departamento de Energia dos Estados Unidos" *Sociologias* 19/46: 102-134.

Keller, Matthew R. and Fred Block. 2015. "Do as I Say, or as I Do? U.S. Innovation and Industrial Policy since the 1980s." In J. Felipe, ed., in association with the Asian Development Bank, *Development and Modern Industrial Policy in Practice*. London: Elgar.

Keller, Matthew R. 2014. "When is the State's Gaze Focused? British Royal Commissions and the Bureaucratization of Conflict." *Journal of Historical Sociology* 27/2: 204-235.

Block, Fred and Matthew R. Keller. 2014. "Can the U.S. Sustain its Global Position? Dynamism and Stagnation in the U.S. Institutional Model." *Political Power and Social Theory*, Vol. 26: 19-51.

Keller, Matthew R. and Fred Block. 2013. "Explaining the Transformation in the U.S. Innovation System: The Impact of a Small Government Program." *Socio-Economic Review* 11/4: 629-656.

Keller, Matthew R. and Marian Negoita. 2013. "Correcting Network Failures: The Evolution of U.S. Innovation Policy in the Wind and Advanced Battery Industries." *Competition and Change* 17/4: 319-338.

Block, Fred, and Matthew R. Keller. 2012. "Where do Innovations Come From? Transformations in the U.S. Economy 1970-2006." In Burlamaqui, Castro and Kattel, eds. *Knowledge Governance: Reasserting the Public Interest*. London: Anthem. (Revised version of 2009 paper addresses patent reform)

Keller, Matthew R. 2011. "The CIA's Pioneering Role in Public Venture Capital Initiatives." In Block and Keller, eds. *State of Innovation: The U.S. Government's Role in Technology Development*. Boulder: Paradigm.

Keller, Matthew R. 2009. "Commissioning Legitimacy: The Global Logics of National Violence Commissions in the 20<sup>th</sup> Century" *Politics & Society* 37/3: 352-396.

Block, Fred and Matthew R. Keller. 2009. "Where do Innovations Come From? Transformations in the U.S. Economy, 1970-2006" *Socio-Economic Review* 7/3: 459-483.

- Awarded Best Article in *Socio-Economic Review*, 2009
- Edited version in Block and Keller, eds. 2011. *State of Innovation: The U.S. Government's Role in Technology Development*. Boulder: Paradigm.

## Reports, Policy Writing, Published Working Papers

2012 "U.S. Innovation and Industrial Policies after 1980." Report for the Asian Development Bank

2012 "[A Strategy to Foster Advanced Manufacturing Networks in the United States](#)." Scholars Strategy Network Strategy Brief (with Fred Block, Andrew Schrank, and Josh Whitford)

2012 "[The Vital Role of Government in U.S. Economic Innovation](#)" (with Fred Block) Scholars Strategy Network (SSN) *Key Findings*. April

- 2011 “[Where do Innovations Come From?](#)” Working Papers in Technology Governance and Economic Dynamics no. 35. The Other Canon Foundation, Norway, and Tallinn University of Technology, Tallinn
- 2008 “The Rise of Public Venture Capital Initiatives in the U.S. Federal Government.” Working Paper #7, Project on Innovation Policy, Institute for Governmental Affairs, University of California, Davis
- 2008 “[Where do Innovations Come From? Transformations in the U.S. National Innovation System 1970-2006](#)” (with Fred Block). Report issued by the *Information Technology and Innovation Foundation*, Washington DC
- Cited in Congressional Budget Office report, “Federal Policies and Innovation,” November 2014
  - Entered into the Congressional Record during hearings, March 15, 2011:  
<http://www.gpo.gov/fdsys/pkg/CREC-2011-03-15/pdf/CREC-2011-03-15.pdf>
  - Key findings appear in the White House/National Economic Council’s “[A Strategy for American Innovation](#)” (2009)
- 2008 “[Building on Success: Reforming the U.S. Innovation System](#)” (with Fred Block) White Paper released at Policy Briefing, *How Will a New Administration and Congress Support Innovation in an Economic Crisis?* Washington D.C., 1 December
- 2008 “[Hidden Success Stories: Highlights of Federally Supported Innovation](#)” (with Fred Block) Report Released at Policy Briefing, *How Will a New Administration and Congress Support Innovation in an Economic Crisis?* 1 December
- Excerpted in “[Where Good Technologies Come From: Case Studies in American Innovation](#)” *The Breakthrough Institute*, 2010

Various works have been covered in media including:

*The Wall Street Journal; The New York Times; The Washington Post; Business Week*

### **Selected Works in Progress and Working Papers**

“The American Recovery and Reinvestment Act as Networked Industrial Policy”

“US Urban Innovation Districts: What Role for the Federal Government?”

“Institutionalizing Investments in Innovation: Models of State Investment Banks” (with Seán Ó Riain and Fergal Hatigan, unpublished draft)

“New and Old Logics in the Structuring of State-Owned Enterprises” (unpublished draft paper prepared for mini-conference)

### **Grants, Fellowships, Awards, Affiliations**

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- 2017            University Research Council, SMU, for *Urban Innovation Districts: What Role, if any, for the Federal Government?*
- 2016-17        Invited Participant, Emerging Leaders Seminar Series, SMU Office of the Provost
- 2016            Nominee, President’s Associates Outstanding Faculty Award, SMU  
                  Nominee, Altshuler Distinguished Teaching Professor, SMU (also in 2018)

- 2015 Honoring Our Professors of Excellence (HOPE) Teaching Award, SMU
- 2015 American Association for the Advancement of Science Washington Fellowship Finalist (withdrew)
- 2012 Visiting Associate, National Institute for Regional and Spatial Analysis (NIRSA), National University of Ireland, Maynooth (Fall)
- 2011 University Research Council, Southern Methodist University. For *Correcting Network Failures in the Wind and Advanced Battery Industries*. \$2,260
- 2010-11 Sam Taylor Fellowship, United Methodist General Board for Higher Education and Ministry. For *Innovation Networks and Public Policy in the Wind Industry*. \$1,700
- 2009-11 National Science Foundation, Science of Science and Innovation Policy Program. *Economic Stimulus and Innovation Capacity at the Department of Energy* (Co-PI). Award #0943873. \$110,311
- 2009 Best Article Published in 2009, *Socio-Economic Review*, for “Where do Innovations Come From? Transformations in the U.S. Economy, 1970-2006.”
- 2008-09 UC Davis Nominee for CGI/UMI Distinguished Dissertation in the Humanities
- 2006-07 Dissertation Grant, UC Davis Department of Sociology (Spring/Fall ‘06, Winter ‘07)
- 2006 Dissertation Research Support, Institute for Governmental Affairs, UC Davis
- Fall 2003 Fellow in Human Rights, Law, and the State. Adalah: the Legal Center for Arab Minority Rights in Israel
- 2000-01 Humanities Institute Research Fellow, UC Davis Humanities Institute
- 2001 Summer Research Fellowship, Graduate Studies, UC Davis

### **Presentations, Invited Lectures, Invited Workshops**

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- 2018 (August) Invited Presentation and Participant, Workshop on New Directions in the Sociology of Innovation, Park City, Utah
- 2017 (September) Invited Panelist, session on “What Drives Innovation?” Symposium on *Emerging Intellectual Property Issues: The Value of Intellectual Property*. Tsai Center for Law, Science, and Innovation, SMU Dedman School of Law. Dallas, TX.
- (June) “U.S. Urban Innovation Districts: What Role, if any, for the Federal Government?” *Society for the Advancement of Socio-Economics Annual Meeting*, Université Claude-Bernard Lyon 1, France.
- 2016 (June) “The American Recovery and Reinvestment Act as Networked Industrial Policy.” *Society for the Advancement of Socio-Economics Annual Meeting*. University of California, Berkeley.
- 2015 (December) Invited Paper and Discussant, Interdisciplinary Roundtable on “Between Public and Private: Contemporary State Owned Enterprises.” Duke University Center for International and Comparative Law and the Sanford School of Public Policy. Durham, NC.

- (July) “What Kinds of Private Firms Make Use of Public Labs?” *Society for the Advancement of Socio-Economics Annual Meeting*, London School of Economics.
- (January) Invited Participant, “Lessons from the Shale Revolution: Shale Founders in Conversation with Innovation Scholars.” Workshop organized by *The Breakthrough Institute*. Sausalito, CA.
- 2013 (November) Invited Presentation, “From Market Failures to Network Failures? U.S. Innovation and Industrial Policies and ‘Green’ Initiatives following the Stimulus.” At *Industrial Policy for Inclusive and Greening Development in Latin America*, United Nations Economic Commission for Latin America and the Caribbean. Santiago, Chile.
- (June) “Institutionalizing Investments in Innovation: Models of State Development Banks.” *Society for the Advancement of Socio-Economics Annual Meeting*, Milan, Italy (with Seán Ó Riain and Fergal Hatigan)
- 2012 (November). Invited Presentation. “Do as I Say, or as I Do? The Key Role of Government Programs in U.S. Innovative Dynamism.” National Institute for Regional and Spatial Analysis and the Department of Sociology, National University of Ireland – Maynooth.
- (October) Invited Presentation, “U.S. Innovation and Industrial Policies after 1980.” Asian Development Bank Consultative Workshop. Seoul, South Korea.
- (June) “Networks or Neo-Liberalism? Navigating Alternative Innovation Policy Paradigms in the U.S. Department of Energy” *Society for the Advancement of Socio-Economics Annual Meeting*. M.I.T., Cambridge, MA.
- 2011 (October) “Correcting Network Failures: The Evolution of U.S. Policy in the Wind and Advanced Battery Industries.” *Energy, Organizations and Society Conference & Workshop*, Graduate School of Management, UC Davis.
- (October) Invited Panelist, “The Role of the Public Sector in Innovation.” At *Jobs, Inequality, and the Public Sector: Improving the Economic Competitiveness and Innovative Capacity of the U.S.*, policy briefing for forthcoming Department of Commerce report, organized by the Communications Workers of America, Georgetown’s Kalmanovitz Initiative for Labor and the Working Poor, and the Center for Economic and Policy Research (CEPR). Washington D.C.
- (September) Invited Presentation, “Comparing Innovation Policies: Strengths and Weaknesses.” At *Creating an Innovative Economy*, U.S. Government-Sponsored Workshop organized by Boeing for the National Development and Reform Commission (NDRC) of the People’s Republic of China. Arlington VA.
- (June) “Correcting Network Failures: The Evolution of U.S. Policy in the Wind and Advanced Battery Industries.” *Society for the Advancement of Socio-Economics (SASE) Annual Meeting*, Madrid, Spain.
- 2010 (May) Invited Discussant, Conference on “Relational Work as a Paradigm for Economic Sociology.” UC Davis.
- 2008 (September) Invited Keynote: “Where Do Innovations Come From?” (with Fred Block) SBIR Beyond Phase II Conference: Partnering to Advance Innovation. Palm Desert, CA.
- (July) “The Rise of Public Venture Capital Initiatives in the United States.” *Society for the Advancement of Socio-Economics (SASE) Annual Meeting*, San Jose, Costa Rica.

(June) “The Politics of Public Venture Capital in the U.S. Federal Government.” Workshop on the Hidden Developmental State in the United States, Berkeley CA.

(March) “Where do Innovations Come From? Transformations in the U.S. Innovation System, 1970-2006” (with Fred Block). Power and Inequalities Workshop, UC Davis. A version was also presented at the *American Sociological Association* annual meeting (August)

(January) “Redrawing the Color-Line: How National Commissions Reckoned with Collective Violence,” Department of Sociology, University of Montana.

2006 (December) “On Essentialism and Explanation: The Logic(s) of State Commissions into Violent Events,” Power and Inequalities Workshop, UC Davis.

## **Teaching Experience**

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*Main Teaching Interests:* Economic Sociology; Organizations and Institutions; Innovation; Political Sociology and Globalization; Historical and Comparative Sociology, Theory

### ***Courses Taught***

#### At Southern Methodist University

SOCI 1300 Introduction to Sociology (2010, 2011)  
SOCI 1300h Honors Intro to Sociology: Networks and Economy, Community, Identity (2017)  
SOCI 3377 Organizations and their Environments\* (many times)  
SOCI 4313 The Sociological Tradition (Theory) (annually, 2014-2017)  
SOCI 4377 Economic Sociology/Contemporary Markets & Culture (many times)  
SOCI 4384 Sociology of Innovation (annually, 2014-2018)

The Organizations and the Contemporary Markets & Culture (renamed Economic Sociology in 2016) courses are core offerings in a novel interdisciplinary degree program – Markets and Culture – designed and administrated by the Sociology Department at SMU. The program builds upon courses in economic and organizational sociology, economics, and business, which are combined with a flexible set of electives that can include sub- or area specializations in cultural, political, and historical dynamics and their intersection with the economy.

\* The fall 2015 version of this course was taught as an interdisciplinary seminar with Don Vandewalle, Cox School of Business, and David Rosenfield, SMU Department of Psychology

#### At UC Davis

Introduction to Sociology  
Global Social Change: an Introduction to Macro-Sociology  
Classical and Modern Sources of Sociological Theory  
Internship and Field Research Practicum

Teaching Assistant (UCD): Social Problems; Political Sociology, Sociology of Labor and Employment; Sociology of Social Welfare

## **Professional Service and Memberships**

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### ***Ad hoc Reviewer***

*American Journal of Sociology, Socio-Economic Review, American Sociological Review, Research Policy, Comparative Political Studies, Theory and Society, Social Studies of Science, Regulation and Governance, Review of International Political Economy, New Political Economy, Development Policy Review, Public Management Review, Canadian Journal of Law and Society, National Science Foundation Science of Science and Innovation Policy program (SciSIP); NSF Science of Organizations program, The Center for Engaged Scholarship (Dissertation Fellowships), Canadian Institute For Advanced Research (CIFAR), Brookings Institute Center for Technology Innovation, Cambridge University Press, Routledge*

### ***Disciplinary, Professional, Editorial***

- Co-Coordinator, Network on Knowledge, Technology, and Innovation (Network F), Society for the Advancement of Socio-Economics (SASE) (2013-present)
  - Co-Organizer and Moderator, 13 Network F Sessions, SASE Annual Meeting, Kyoto 2018
  - Co-Organizer and Moderator, 14 Network F Sessions, SASE Annual Meeting, Lyon, 2017
  - Co-Organizer and Moderator, 11 Network F Sessions. SASE Annual Meeting, Berkeley, 2016
  - Co-Organizer and Moderator, 10 Network F Sessions. SASE Annual Meeting, London, 2015
  - Co-Organizer and Moderator, 6 Network F Sessions. SASE Annual Meeting, Chicago, 2014
- Co-Organizer (with Lucas Kirkpatrick), session on “Urban Innovation Districts and the Innovative City,” SASE Annual Meeting, Lyon France, June 2017
- Moderator, “Roundtable: Discussion with Chihiro Takayama – Knowledge Management in Practice at Eisai.” SASE Annual Meeting, Universite Claude Bernard I, Lyon France, June 2017
- Moderator, Session on “Science and Technology Issues,” Asian Development Bank Meetings, Seoul, South Korea, October 2012
- Discussant, Economic Sociology Roundtable on “Ideas and Policy,” American Sociological Association Annual Meeting, Denver CO, August 2012
- Editorial Associate, *Theory and Society* (2006-2009)
- Linguistic Editor, *Adalah’s Review*, Volume 4: “In the Name of Security” (Spring 2004)

### ***At Southern Methodist University***

#### University and Departmental Service

- Interim Department Chair, SMU Department of Sociology, spring 2018, AY 2018-2019
- Interim Director, Markets & Culture Interdisciplinary Program, spring 2018, AY 2018-19
- Faculty Advisory Committee, Undergraduate Research Assistant/Summer Research Assistant Program, Office of Undergraduate Research, 2015-18
- Steering Committee, Big iDeas undergraduate innovation program, 2014-2018
- Faculty Advisory Committee, Engaged Learning Programs, Office of the Provost, 2015-18
- Sociology Faculty Search Committee, 2014-15, 2015-16, 2017-18, 2018-19
  - Chair, Sociology Search Committee, 2017-18, 2018-19
- University Curriculum Council, 2015-16
  - University Curriculum Subcommittee on Technology and Mathematics, 2015-16
  - University Curriculum Vetting Committee, *Individuals, Institutions and Culture*, 2014
- Watson Award Committee (undergraduate paper competition in Sociology), 2010, 2012-2016
- Outstanding Student in Sociology and Markets & Culture Committee Chair, 2017, 2018
- Discussion Leader, SMU Common Reading, 2017 (*Evicted*, by Matthew Desmond)
- Prepared Benchmarking Report on Markets & Culture Interdisciplinary Program, 2016
- Sociology Website Design, Code, and Update Collaborative Team, 2011-2015
- Co-Organizer, Department of Sociology Speaker Series, 2010-2011
- Co-Organizer and Co-President (with Dalia Abdelhady), “Future Directions in Immigration Research.” Panel discussion sponsored by the Department of Sociology with support from the Scott Hawkins Lecture Fund. April 2010

### Student Research and Development Activities

- Committee Chair, Markets & Culture Distinction Projects
  - 2018: Elenor Griffith (“Green Policy in a Red State: How a Centrist Mayor Mobilized Pro-Environmental Change in Houston”)
  - 2017: Kayla Mason (“Education for Innovation: The Case of Singapore”)
- Committee member, Sociology Distinction Project, 2017 (Nic Lazzarra)
- Faculty sponsor/supervisor, Hamilton Undergraduate Research Award (Ella Mathews), 2016
- Faculty sponsor/supervisor for students co-funded by SMU Undergraduate Research Assistant awards, 2010, 2011, 2014, 2015, 2016
- Judge, Big iDeas pitch contest, 2014, 2016
- Panelist, Social Science Forum for Talented and Gifted Students from DISD, 5/2015
- Panelist, Dedman College Ambassadors “Career Pathways” forum, 11/2013
- Organizer and facilitator, Markets & Culture Discussion Group, 2012

### *At UC Davis*

- Co-Chair, Graduate Sociology Student Association, Department of Sociology (2002)

Professional Memberships: American Sociological Association (ASA); Society for the Advancement of Socio-Economics (SASE) (Co-Organizer, SASE Network on Knowledge, Technology, and Innovation); Founding Member, Scholars Strategy Network (SSN)

### **Consulting**

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*2012-13 Asian Development Bank, “Policies for Industrial and Service Diversification in Asia in the 21st Century”*

Prepared consultative report for and provided commentary on ADB project report; presented paper and moderated panel on “Issues in Science and Technology” at ADB-sponsored meetings in consultation with the Governments of Kazakhstan and South Korea in Seoul, South Korea. The final report can be found here: <http://www.adb.org/publications/report-government-kazakhstan-policies-industrial-and-service-diversification-asia>

*Various periods, 1996-2006*

Consulted on project and strategic planning for local and international organizations active in human rights and development issues in the Middle East and East Africa, including:

The Galilee Regional Research and Development Center (Eilabun and Shefa’amr, Israel)

Appropriate Technology Consortium (regional wastewater technology development pilot project with partners in Israel, Palestine, Egypt, Jordan)

Adalah: The Legal Center for Arab Minority Rights in Israel (Haifa, Israel)

Ittijah: The Union of Arab Community Based Organizations (Haifa, Israel)

The Arab Steering Committee for Land-Use Planning (Shefa’amr, Israel)

Ramallah Friends Schools (Ramallah, Palestine)

Lugulu Hospital (Webuye, Kenya)

Kaimosi Hospital (Tiriki, Kenya)

Turkana District Development Projects (Lodwar and Kalokol, Kenya)

Turkana Children’s Home (Kalokol, Kenya)

### **Additional Research Experience**

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- Research Assistant, “The Hidden Developmental State in the US.” Ford Foundation funded project (October 2007-December 2008).  
Authored and co-authored publications; collected data on the innovation economy; co-organized academic conference and Washington D.C. policy event; co-developed project website
- Research Assistant, Professor Seán Ó Riain (Spring/Summer, 2003)  
Assisted in review and proofing of *The Politics of High Tech Growth: Developmental Network States in the Global Economy* (Cambridge University Press, 2004)
- Research Assistant, Professors Fred Block, Nicole Biggart, Seán Ó Riain (Spring, 2002)  
Assisted organizers of conference on Karl Polanyi and Globalization. Conference articles appeared in *Politics and Society* 31/2 (2003); panel discussion in *Socio-Economic Review* 2 (2004).

### **Other Professional Experience**

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- Public Health Institute (Berkeley, CA, USA) 9/99 - 7/00  
*Administrative Coordinator, The Center for Self Help Research*. Assisted in the coordination of two longitudinal and multi-site (one national, one regional) research projects on mental health services.
- Friends United Meeting (Indiana, USA) 11/97 - 7/99  
*Project Development Officer*. Planned projects with partner institutions in the Middle East, East Africa, and the Caribbean. Procured more than US \$2,500,000 (1999 dollars) in grant funds; monitored financial and programmatic compliance of service and development partner projects.
- The Galilee Society for Health Research and Services. (Shefa'amr, Israel) 4/96 - 11/97  
*Interim Coordinator of International Relations*. Developed, monitored, and reported on NGO initiatives related to health, the environment, gender equality, and education. Developed multi-NGO and multi-national consortium projects between NGOs, local government authorities, and university partners. Prepared grants which generated more than US \$4,500,000 (1997 dollars) in project funding.

### **Other Volunteer Work**

Volunteer Youth Baseball, Basketball, Soccer, and Tennis Coach or Assistant at the Town North YMCA; Carrollton-Farmers Branch Baseball Association; Dallas Classic Baseball; Dealey Soccer and Dealey Tennis Programs, 2013-present