

Daniel Sperling

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EDUCATION

Ph.D. University of California, Berkeley, 1982. Transport Engineering;
Minors in Economics, Energy and Resources
B.S. Cornell University, 1973. Systems Analysis/Urban Planning (Environmental Engineering)
Certificate Peace Corps Training Center, Puerto Rico, 1973. Intensive two-month program in Spanish.

PROFESSIONAL EMPLOYMENT

2013-2015 Interim Director, Energy Institute, UC Davis
2007-present Board member, California Air Resources Board
2006-2007 Co-Director, Energy Initiative, University of California, Davis
2006-2010 Associate and Interim Director, Energy Efficiency Center, UC Davis
2004-2007 Associate Director, Road Ecology Center, UC Davis
1991-present Director, Institute of Transportation Studies, UC Davis
1982-present Assistant, Associate, and Full Professor, University of California, Davis. Joint appointment in
Department of Civil & Environmental Engineering and Department of Environmental Science & Policy.
Teaching responsibilities include transportation planning and policy analysis, and energy and
environmental planning and policy.
1976-1977 Environmental Planner, U.S. Environmental Protection Agency
1973-1975 Planning Advisor, Ministry of Urban Affairs, Republic of Honduras (Peace Corps)

MAJOR NON-UNIVERSITY LEADERSHIP POSITIONS

Chair, TRB Executive Committee, 2015-16 (and Vice Chair, 2014-15)
Chair, California Fuel Cell Partnership, 2013
Member, California Air Resources Board, 2007-present

AWARDS and HONORS

Thomas B. Deen Distinguished Lectureship, Transportation Research Board, 2015
Council Member, California Council on Science and Technology, 2014+
Blue Planet Prize for being “a pioneer in opening up new fields of study to create more efficient, low-carbon, and
environmentally beneficial transportation systems,” (two per year internationally), 2013
Heinz Award for research and policy contributions, 2010
Robert M. Zweig Public Education Award of the National Hydrogen Association, 2009
Barry McNutt TRB Award for Best Paper in Energy, 2008 (Jonathan Hughes, Chris Knittel, and D. Sperling)
TRANNNY award for 2005 Organization of the Year by the California Transportation Foundation (on behalf of ITS-
Davis), 2006
Lifetime National Associate, National Academies, 2004
Finalist, 2003 World Technology Award for Energy (corporate category for ITS-Davis)
Carl Moyer Memorial Award for Scientific Leadership and Technical Excellence, Coalition for Clean Air, 2002
Member Emeritus (lifetime), Transportation Research Board, Committee on Alternative Transport Fuels, 1998+
Clean Air Award, American Lung Association, Sacramento, California, 1997
Distinguished Public Service Award, University of California, Davis, 1996
Gilbert F. White Fellowship, Resources for the Future, 1993-94
Faculty Fellow, UC Davis Washington Center, 1993
Juror, Electric Vehicle and the American Community: National Planning and Design Competition, 1993
Faculty Fellow, ENO Foundation, 1993

EDITORIAL BOARDS OF JOURNALS:

Associate Editor, *Transportation Research D (Transport and Environment)*, 1996+
North American Editor, *Transport Policy Journal*, 1993-96
Frontiers in Energy (Springer), 2012-17
Mitigation and Adaptation Strategies for Global Change (Kluwer), 2003+
Advances in Environmental Research, 2000+

Transport Policy, 1993+
Energy Policy, 1992-94
Utilities Policies Journal, 1990-93
Transportation Research A, 1988-93

GOVERNMENT & NON-PROFIT BOARDS AND COMMITTEES

IPCC (Intergovernmental Panel on Climate Change), Lead author, transportation chapter, WG III, 2006-07 (4th Assessment), 2011-14 (5th Assessment)

Transportation Research Board Committees (National Academies of Science, Engineering, and Medicine):
Executive Committee, 2010-2019
Subcommittee for NRC Oversight, 2014-2019
Transportation and Sustainability, 2006-09
Transportation Energy, 1985(?)
Alternative Transportation Energy, 1989+
New Transportation Systems and Technology, TRB, 2004-06
Task Force on Transportation and Sustainability, TRB, 1999-2005

Brunei National Energy Research Institute, International Advisory Committee, 2013-16
King Abdullah Petroleum Research Center (KAPSARC, Saudi Arabia), International Advisory Committee, 2010+

Chair, California Fuel Cell Partnership, 2013 (member of Executive Committee, 2012-14)
Plug-in Vehicle Advisory Council, California, 2010-11
X Prize Automotive Advisory Board, 2010
California Council on Science and Technology, Council Member
California Council on Science and Technology, Committee on California's Energy Future (CEF), 2009-11
State of California Climate Adaptation Advisory Panel, 2009-10
Pacific Council Task Force on Climate Adaptation, 2009-10
Council on Future of Transportation, Davos World Economic Forum, 2008-10
Chair, Council on Future of Transportation, Davos World Economic Forum, 2008-09
Board member, California Air Resources Board, 2007+
Northeast States Advisory Committee on Low Carbon Fuel Standard, 2007-08
Western Governors' Association, Transportation Fuels Advisory Committee, 2007
Innovation Center for Energy and Transportation (Beijing) (non-profit NGO), 2007+
American Physical Society Energy Efficiency Committee, 2007-08
National Petroleum Council, Global Oil and Gas Study, Energy Efficiency Sub-committee, 2006-07
GoCalifornia Research and Technology Expert Review Panel (reports to California Secretary of Business, Transportation, and Housing), 2005-06
Member, Research Technology and Advisory Panel, California Secretary of Business, Transportation, and Housing, 2006+

Co-Chair, Transportation and Sustainability Committee, Transportation Research Board, 2005-08
Secretary and Board member, Ride Now (non-profit), 2003-07
Vice Chair, World Conference on Transportation Research, 2002-07
Electric Vehicle Association of the Americas, International Sub-committee, 2002-03
Bus Rapid Transit Design Competition, Technical Advisory Committee (FTA and others), 2001
Health Effects Institute, Committee on Emerging Technologies, 2000-06
San Diego Environmental Foundation, Board of Directors, 1999-03
World Energy Council, Work Group Member for Transport Study, 1997-98
Rand, Project Advisory Committee, "California's Ozone Reduction Strategy", 1995-96
Electric Vehicle and the American Community: A National Planning and Design Competition, Technical Advisory Committee, 1992-93
American Academy of Arts and Sciences Committee, "Future of the Auto," 1992-93
Calstart, Policy Advisory Board, 1994-1996
Houston Advanced Research Center, Alternative Fuels Advisory Board, 1992-94
U.S. Department of Energy, Energy Security Working Group, 1992
Chair, Alternative Transportation Fuels Committee, Transportation Research Board, 1989-1996
Vice Chair, Energy and Environmental Aspects of Transportation Committee, American Society of Civil Engineers, 1988-90

INDUSTRY ADVISORY BOARDS

Member, Royal Dutch Shell External Review Committee for Sustainability, 2010-13
Member, Nissan Environmental Advisory Committee, 2005+
EV Global Motors Company (Lee Iacocca, CEO), Board of Directors, 1997-99 (Board of Advisors, 99-01)
Clean Air Vehicle Test and Evaluation Center (CAVTC), Hayward, California, Advisory Board, 1991-96
Encyclopedia of Science and Technology, McGraw-Hill, Board of Consulting Editors (responsible for Transportation Engineering), 1997-

UNIVERSITY AND US DOE LAB BOARDS AND COMMITTEES

University of California, Riverside, C-CERT, Advisory Board, 2014-16, 2017+
University of Michigan, Energy Institute, Advisory Board, 2010+
University of California Energy Institute, Chair, Steering Committee, 1999-2006
China Automotive Energy Research Center (CAERC), Tsinghua University, Beijing, Advisory Board, 2009+.
Stanford University, California Climate Change Project Advisory Council, 2006
Tsinghua University (and BP), Review of “Sustainable Development” Research Program at Tsinghua, 2005
University of Chicago, Argonne National Lab, Review Committee for Energy, 2000-03, 2005
University of Tennessee-Battelle (Board of Governors), Oak Ridge National Laboratory Transportation Science and Technology Program, Review Committee, 2004
National Renewable Energy Laboratory, Alternative Fuels Division, Advisory Committee, 1993-96
University of California Energy Institute, Steering Committee, 1998-2006 (chair, 1999-2006)
University of Sydney, Key Center of Transportation, Advisory Board, 1996-1998
University of Tennessee (Knoxville), Energy and Resource Center, Advisory Board, 1996-1997
University of California and California Department of Transportation, Coordinating Council, 1990-92
University of California Transportation Center, Executive Committee, 1988-2006
Program for Advanced Transportation and Highways (PATH), Executive Committee, 1998-2001

US NATIONAL ACADEMIES COMMITTEES

NRC/TRB Innovative Urban Mobility Services Committee, 2014-15
NRC/TRB Research Perspectives on Sustainable Energy and Transportation: A Conference, 2012-13 (chair)
NRC/NAS Subcommittee on Electric Drive Battery Research and Development, 2010-11
NRC/NAS/TRB Committee on Transportation and Climate, 2008-11
NRC/NAS Sub-Committee on Energy Efficiency, 2007-09
NRC/NAE Committee, “Grainger Challenger Prize,” 2004
NRC/TRB/NAS Committee, “Viability of Fuel Taxes for Highway Finance,” 2003-2005
NRC/TRB/NAS Committee, “Sustainable Transportation,” 2003-04
NRC/NAE Committee, “Future Hydrogen Production and Use,” 2002-04
NRC/NAS Committee (joint with China Academy of Sciences), “Personal Transport in China,” 2001-02
NRC/TRB/NAS Committee, Surface Transportation Environmental Cooperative Research Advisory Board, 1999-02
NRC/NAS Committee, “Biofuels R&D Strategy,” 1998-1999
NRC/NAS Committee, “Enabling Transportation Research,” 1998
NRC/NAS Panel, “Transport Options for Megacities,” 1996
NRC/NAS Committee, “Transportation and a Sustainable Environment,” 1994-97
NRC/NAS Committee, “Liquid Fuel Options,” 1989-90

CONFERENCE ORGANIZER and/or Director

TRB/DOT University Spotlight Conference, 2010?

NRC/TRB Research Perspectives on Sustainable Energy and Transportation, 2012

Asilomar Transportation and Energy Biennial Conferences (Pacific Grove, CA), 1988-2019. Themes were: *Climate Policy, Hydrogen Transition, Managing Transitions in the Transport Sector, Transportation Energy and Environmental Policies, Sustainable Transportation and Energy, Alternative Fuels, and Climate Change Strategies*. Sponsored by US DOE, US FTA, US DOT, US EPA, Natural Resources Canada, California DOT, California EPA, Energy Foundation, William & Flora Hewlett Foundation, UC Transportation Center, Honda, Toyota, Chevron, ExxonMobil, and others. (Co-directors included Barry McNutt, David Greene, and Tom Turrentine.)

Council of University Transportation Centers, Summer Meeting, UC Davis, June 4-5, 1998 (with G. Griffin)

Transportation in Developing Countries, UC Berkeley, April 17-18, 1998 (with Robert Cervero).

Toward a Fuel Cell Future: Planning for the Commercialization of Fuel Cells, Sacramento, California, Sept. 2-3, 1993. Co-hosted by Sacramento Municipal Utility District (with Marshall Miller)

IVHS Policy: A Workshop on Institutional and Environmental Issues, Asilomar Conference Center, April 26-28, 1992. Co-hosted by George Mason University (with Jonathan Gifford and Thomas Horan)

Ph.D. DISSERTATION COMMITTEES (Chair and/or research sponsor)

Rosaria Berliner, Civil Engineering, 2018
Sydney Vergis, Transportation Technology and Policy, 2016
Eric Cahill, Transportation Technology and Policy, 2015
Jeff Kessler, Transportation Technology and Policy, 2015
Zheng (Marco) Wan, Transportation Technology and Policy, 2011
Zhenhong Lin, Transportation Technology and Policy, 2008
Jason Ni, Transportation Technology and Policy, 2008
Nic Lutsey, Transportation Technology and Policy, 2008
Guihua Wang, Civil and Environmental Engineering, 2008
Jonathan Weinert, Transportation Technology and Policy, 2008
Rusty Heffner, Transportation Technology and Policy, 2007
Brett Williams, Transportation Technology and Policy, 2007
Gustavo Collantes, Transportation Technology and Policy, 2006
Charles Rivasplata, Transportation Technology and Policy, 2006
Ling Li, Transportation Technology and Policy, 2004
Meena Sundaresan, Mechanical Engineering and Transportation Technology and Policy, 2004
J. Fernando Contadini, Civil and Environmental Engineering, 2002
Karl-Heinz Hauer, Transportation Technology and Policy, 2001
C.J. Brodrick, Transportation Technology and Policy, 2001
Timothy Lipman, Ecology and Transport Technology & Policy, 1999
Susan Shaheen, Ecology, 1999
Kevin Nesbitt, Civil and Environmental Engineering, 1996
Molly Espey, Agricultural and Resource Economics, 1994
Simon Washington, Civil and Environmental Engineering, 1994
Thomas Turrentine, Anthropology, 1994
Randall Guensler, Civil and Environmental Engineering, 1993
Jonathan Rubin, Agricultural and Resource Economics, 1993
Michael Quanlu Wang, Ecology, 1992
Max Rothe, Civil and Environmental Engineering, 1992
Kenneth Kurani, Civil and Environmental Engineering, 1991
Mark Delucchi, Ecology, 1990

CONGRESSIONAL AND LEGISLATIVE TESTIMONY AND BRIEFINGS

Testimony on “California Leadership on 3Rs,” California Senate Committee on Transportation, Sacramento, Feb 20, 2018
Testimony on Spending of Cap and Trade Revenue, California Senate Budget and Fiscal Review Committee, Sacramento, CA, Feb 13, 2014
Testimony on Low Carbon Fuel Standards, US Congress, House Subcommittee on Energy and Environment, House Committee on Energy and Commerce, Hearing on “The American Clean Energy and Security Act of 2009,” April 25, 2009
Testimony, Massachusetts Legislature Committee on Advanced Biofuels, Boston, January 17, 2008
Testimony, House Transportation and Infrastructure Committee, Highway and Transit Subcommittee, March 27, 2007
Briefing, US Congress, Capitol Building, January 23, 2007
Briefing, US Congress, Rayburn Building, January 24, 2007
Testimony, California Senate Select Committee on Alternative Energy Strategies. Sacramento, May 24, 2006
Testimony, House Government Reform Subcommittee on Energy and Resources, Rayburn Building, Washington, DC, July 27, 2005
Briefing, Senate Hydrogen and Fuel Cell Caucus, Dirksen Building, Washington, DC, July 20, 2005
Keynote briefing, Congressional Retreat, Council on Competitiveness, Baltimore, MD, January 14, 2005
Briefing, Congressional Hydrogen Caucus, Senate Dirksen Building, Washington, DC, January 11, 2005

Testimony, Select Committee on Air and Water Quality, Assembly, California Legislature, Sacramento, CA, Feb 25, 2004
Testimony, US Congress, House Science Committee, Washington, DC, February 7, 2002
Testimony, Committee on Science, Subcommittee on Energy and Environment, Washington, DC, July 30, 1996
Testimony on AB2495 (Richter Bill), California Assembly, Sacramento, CA, March 21, 1994
Testimony, California Assembly Subcommittee on International Trade and Business Development, Los Angeles, CA, Dec 16, 1991
Testimony, US House of Representatives, Committee on Energy and Commerce, Subcommittee on Energy and Power, Washington, DC, February 27, 1991
Testimony, House Committee on Science, Space and Technology, Subcommittee on International Scientific Cooperation, Encinitas, CA, February 16, 1990

KEYNOTE AND “DISTINGUISHED SCHOLAR” PRESENTATIONS (out of 100+ since 2008)

Universities: Arizona State University; City College of NY; MIT; North Carolina State University; Pace University; Peking University (Shenzhen); Tsinghua University (Beijing); Swarthmore College; University of Monash (Australia); UC Berkeley; UC Riverside; Rutgers, University of Calgary; University of Illinois, Chicago; University of Kansas; University of South Florida; University of Texas, Austin; University of Vermont; Yale University
Others: Asian-American Architects and Engineers (California); Chevron; Deutsche Bank; IBM Almaden Institute; Lawrence Berkeley National Laboratory; Lyft; National Academy of Engineering (Cambridge, MA); National Institute for Environmental Studies (Japan); SAE (various); Society of Automotive Manufacturers (India); TRB (Thomas Deen Lecture); US Department of Energy; US Department of Transportation; Uber; Women’s Transportation Seminar (California);
Other unique and special lectures and interviews: World Economic Forum in Davos, Switzerland; World Affairs Council in Wash. DC; Fresh Air (NPR); Jon Stewart Daily Show; Commonwealth Club in San Francisco; Testimony to US Congress; Los Angeles Book Festival; World Bank; Royal Society of London; White House; Testimony to US EPA; Copenhagen COP15 Climate Summit; [TEDx](#) (Leeds, England and Sacramento, CA),

SELECTED PRESENTATIONS 1995-2008

Corporations and Industry Groups

American Petroleum Institute, Aramco, BP, California Hydrogen Business Council, ConocoPhillips, DaimlerChrysler, ExxonMobil, Honda, GM/Opel, International Petroleum Industry Environmental Conservation Association, Michelin Bibendum Challenge, Mitsubishi, Natural Gas Vehicle Coalition, Nissan, Renault, Samsung, Shell, Silicon Valley Manufacturing Group, Toyota, US Fuel Cell Council, Volkswagen, Western States Petroleum Association, 3M

Government

OECD, European Commission of Ministers of Transport, International Energy Agency; Swedish Transport & Communications Research Board, US Congress, Legislatures of California, Vermont, and Massachusetts, US EPA, US Department of Transportation, US Department of Energy, California Air Resources Board, California Energy Commission; California EPA, California Department of Transportation, National Park Service, National Association of Regional Councils

Universities

University of Michigan (Ann Arbor), UC Berkeley, UC Irvine, UCLA, UC Santa Barbara, University of South Florida, Stanford, University of Stuttgart, Technion (Israel), Tsinghua, Tongji, Royal Institute of Technology (Stockholm), MIT, Aston (UK), Baruch College (NY), University of Delaware, Hebrew University, North Dakota State University, Portland State University, University of Illinois (Chicago), University of Calgary

Conferences and Others

Alliance to Save Energy, American Institute of Chemical Engineers, American Society of Civil Engineers, Aspen Institute, California Council on Science and Technology, SAE International, Transportation Research Board, Clean Cities Conference, NSF, Consultative Group on Biological Diversity, Health Effects Institute, China Academy of Sciences, North American Car Sharing Conference, Pew Center on Global Climate Change, Natural Resources Defense Council, Ecological Society of America, President’s Council on Sustainable Development, European Conference on Clean Cars, Goddard Space Center, International Electric Vehicle Symposium, Lawrence Livermore National Laboratory, Council of Parties (Kyoto Protocol) (Bonn), International Conference on Ecology and Transportation, California Fuel Cell Partnership, National Hydrogen

Association, Gordon Conference on Industrial Ecology, Electric Drive Transportation Association, Foundation for American Communications and Society of Professional Journalists, World Hydrogen Energy Conference

TEDx

- [Creating the Green Car](#), University of Leeds
- [Transforming Mobility](#), Sacramento, CA

PODCASTS (2018)

- The Three Revolutions of Transportation: Streetsblog USA: Talking Headways [podcast](#)
- Three Revolutions – The Future of Cars: Infinite Earth Academy [podcast](#)
- “We’re on the Verge of a Transportation Revolution. If We’re Not Careful, We Could Screw It Up: GreenTech Media/Energy Gang [podcast](#)
- U.S. Green Chamber of Commerce (Michelle Thatcher, CEO) [podcast](#)
- [Revolution on the Road: The Shift to EVs and Self-Driving Cars](#), Union of Concerned Scientists
- [Car-free Cities](#), The GreenPreneur Show, iHeart Radio & Chicago-based WVON, July 29, 2018

WEBINARS (2018)

- Three Revolutions and What It Means for Vehicle Emissions, TRB Webinar on Technology Changes Influencing the Decline of Vehicle Emissions, 25 April 2018
- [Three Revolutions: Transforming Transportation](#), Security and Sustainability Forum, June 25, 2018

OP-EDs and BLOGS

- Nic Lutsey and D. Sperling, [By Freezing Vehicle Standards, The Trump Administration Will Grind Auto Innovation To A Halt](#), *Forbes*, August 20, 2018
- D. Sperling and Nic Lutsey, [“Trying To Make Sense Of Trump's Rollback Of Vehicle Standards,”](#) *Forbes*, August 2, 2018
- [“Tesla's Struggles Are A Threat To The Future Of Electric Cars,”](#) *Forbes*, 19 July 2018.
- [“New Mobility Companies For A New Future,”](#) *Forbes*, 12 July 2018
- D. Sperling, Austin Brown, and Mollie D’Agostino, [“How ride-hailing could improve public transportation instead of undercutting it,”](#) *The Conversation*, July 5, 2018 (reprinted in *Scientific American* and elsewhere). Later reprinted as <https://www.greenbiz.com/article/could-ride-hailing-improve-public-transportation-instead-undercutting-it>
- [“Why Pooling is Crucial to Our Transportation Future,”](#) *Wall Street Journal*, June 28, 2018
- D. Sperling and Thomas Turrentine, [“Tipping Point for Electric Vehicles,”](#) CALmatters.org (published in several newspapers and many electronic newsletters), July 19, 2015
- Yunshi Wang, D. Sperling, and Alberto Ayala, [“California wins by collaborating with China on electric vehicle market,”](#) *Sacramento Bee*, March 11, 2015 (print version)
- D. Sperling, [“The Secret to Saving the Automotive Revolution,”](#) *Wall Street Journal* on-line, Energy Experts, May 23, 2014
- D. Sperling, [“The Secret News About Vehicle Emissions,”](#) *Wall Street Journal* on-line, Energy Experts, May 22, 2014
- D. Sperling, [“This Crisis Shouldn’t Be Wasted,”](#) *Wall Street Journal* on-line, Energy Experts, July 18, 2013
- D. Sperling, “Four New Wheels for India, *Economic Times* (India), May 18, 2013
- Amy Myer Jaffe and D. Sperling, [“An Idea Whose Time Has Come: It's not just Obama -- the entire world is ready to get serious about climate change,”](#) *Foreign Policy*. January 24, 2013
- D. Sperling and Madhu Khanna, “How to Fix America’s Fuel Future,” *AOL*, July 19, 2012
- D. Sperling, [“Bringing Science Back to the Keystone Pipeline Decision,”](#) *The Hill*, April 19, 2012.
- D. Sperling, “Electric Dreams,” *Technology Review* (MIT), January/February 2011, pp.10-11.
- Deborah Gordon and D. Sperling, “Big Oil Can’t Get Beyond Petroleum,” *Washington Post*, June 13, 2010, B01
- D. Sperling, [“Can the Automotive Industry Change its Stripes?”](#) *Harvard Business Review*, May 3, 2010
- Deborah Gordon and D. Sperling, [“Road to Copenhagen,”](#) *Oxford University Press Blog*, 2009,
- Deborah Gordon and D. Sperling, [“Surviving Two Billion Cars: China Must Lead the Way,”](#) *Yale 360* (publication of Yale School of Forestry and Environmental Studies, March 5, 2009.
- D. Sperling and Deborah Gordon, “How High Gas Prices Can Save the Car Industry,” *New York Times*, November 16, 2008

- D. Sperling, “A [new carbon standard: taxes on CO2 emissions alone won't get us where we need to go](#),” *Los Angeles Times*, June 21, 2007.
- Alex Farrell and D. Sperling, “Getting the Carbon Out,” *San Francisco Chronicle*, May 18, 2007

BOOKS (edited, authored, or co-authored by Sperling)

1. Sperling, D., with contributions from Anne Brown, Robin Chase, Michael J. Dunne, Susan Pike, Steven E. Polzin, Susan Shaheen, Brian D. Taylor, Levi Tillemann, and Ellen van der Meer. [Three Revolutions: Steering Automated, Shared, and Electric Vehicles to a Better Future](#), Island Press, 2018.
2. Sperling, D. and James Cannon, eds, *Climate and Transportation Solutions*, University of California, Davis, 2010.
3. Sperling, D. and Deborah Gordon, [Two Billion Cars](#), Oxford University Press, 2009. Paperback issued April 2010. Reprinted in Mandarin (Shanghai Jiaotong University Press, 2010).
4. Sperling, D. and James Cannon, eds., [Reducing Climate Impacts in the Transportation Sector](#), Springer, 2009.
5. Sperling, D. and James Cannon, eds, *Driving Climate Change: Cutting Carbon from Transportation*, Elsevier Press, 2006.
6. Sperling, D. and James Cannon, eds, *The Hydrogen Energy Transition*, Elsevier Press, 2004.
7. Forman, Richard, D. Sperling, J.A. Bissonette, A.P. Clevenger, C.D. Cutshall, V.H. Dale, L. Fahrig, R. France, C.R. Goldman, K. Heanue, J.A. Jones, F.J. Swanson, T. Turrentine, T.C. Winter, *Road Ecology: Science and Solutions*, Island Press, Wash, D.C., 2003. Reprinted in Mandarin (China Higher Education Press), Polish (xx), and xx
8. Sperling, D. and K. Kurani, eds, [Transportation, Energy, and Environment](#). National Academy Press, 2003.
9. Sperling, D. *Future Drive: Electric Vehicles and Sustainable Transportation*, Island Press, Wash D.C., 1995.
10. Sperling, D. and Susan Shaheen, eds. *Transportation and Energy: Strategies for a Sustainable Transportation System*, ACEEE, Washington D.C., 1995.
11. Sperling, D., ed. *Alternative Transportation Fuels: An Energy and Environmental Solution*, Greenwood Press Quorum Books, Westport, Connecticut, 1989.
12. Sperling, D. *New Transportation Fuels: A Strategic Approach to Technological Change*, University of California Press, Berkeley, California, 1988, reissued 1990 in soft cover.
13. Kanafani, Adib and D. Sperling. *National Transportation Planning*, Martinus Nijhoff, The Hague, Netherlands, 1982. Reprinted in Chinese, Peoples Republic of China, 1987.

Member of National Academies committees that authored the following books:

1. [Between Public and Private Mobility: Examining the Rise of Technology-Enabled Transportation Services](#), Transportation Research Board, Special Report 319, 2015 (Chair: Brian Taylor)
2. *Policy Options for Reducing Energy Use and Greenhouse Gas Emissions from U.S. Transportation*, Transportation Research Board, Special Report 307, 2011 (Chair: Emil Frankel)
3. *Real Prospects for Energy Efficiency in the United States*, America’s Energy Future Panel on Energy Efficiency Technologies, National Academy Press, 2009 (Chair: Lester Lave)
4. *The Fuel Tax and Alternatives for Transportation Funding*, TRB Special Report 285, National Academy Press, 2006 (Chair: Rudolph Penner) <http://trb.org/publications/sr/sr285.pdf>
5. *The Hydrogen Economy: Opportunities, Costs, Barriers, and R&D Needs*, National Academy Press, 2004 (Chair: Mike Ramage) www.nap.edu/books/0309091632/html
6. *Personal Cars and China*, National Academy Press, 2003 (co-chairs: Dale Compton, GUO Kong Hui)
7. *Surface Transportation Environmental Research A Long-Term Strategy*, National Academy Press, 2002 (Chair: Elizabeth Deakin)
8. *Toward a Sustainable Transportation Future*, National Academy Press, 1997 (Chair: James Ebert)
9. *Fuels to Drive Our Future*, National Academy Press, 1990 (Chair: John Longwell)

Principal author of following OECD books:

- *Electric Vehicles: Technology, Performance, and Potential*, 1996 (with Mark Delucchi and H. Hasuike)
- *Choosing an Alternative Fuel*, 1993 (with Mark Delucchi)

Member of American Physical Society study committee that authored:

- Burton Richer, David Goldston, George Crabtree, Leon Glicksman, David Goldstein, David Greene, Dan Kammen, Mark Levine, Michael Lubell, Maxine Savitz, and Daniel Sperling, [Energy Future: Think Efficiency](#). American Physical Society, Washington, DC, September 2008, 107pp.

PAPERS, BOOK CHAPTERS, AND REPORTS

D. Sperling, Austin Brown, and Mollie D'Agostino, "[Can Ride-Hailing Improve Public Transportation Instead of Undercutting It?](#) *Scientific American*, July 2018

D. Sperling and Austin Brown, "[Three Revolutions in Transportation](#)," *EM Magazine*, A&WMA, July 2018.

Yizheng Wu1 and Daniel Sperling, Using On-Board Diagnostic and Global Positioning System to Price Emissions from On-Road Heavy-Duty Vehicles, *Journal of Transportation Engineering, Part A: Systems, J. Transp. Eng., Part A: Systems*, 2018, 144(8): 04018041

Steven J. Davis, Nathan S. Lewis, Matthew Shaner, Sonia Aggarwal, Doug Arent, Inês L. Azevedo, Sally M. Benson, Thomas Bradley, Jack Brouwer, Yet-Ming Chiang, Christopher T. M. Clack, Armond Cohen, Stephen Doig, Jae Edmonds, Paul Fennell, Christopher B. Field, Bryan Hannegan, Bri Mathias Hodge, Martin I. Hoffert, Eric Ingersoll, Paulina Jaramillo, Klaus S. Lackner, Katharine J. Mach, Michael Mastrandrea, Joan Ogden, Per F. Peterson, Daniel L. Sanchez, Daniel Sperling, Joseph Stagner, Jessika E. Trancik, Chi-Jen Yang, and Ken Caldeira, "[Providing energy services without net addition of carbon dioxide to the atmosphere](#)," *Science*, 360, 1419 (2018) 29 June 2018.

D. Sperling (2018) [Electric vehicles: Approaching the tipping point](#), *Bulletin of the Atomic Scientists*, 74:1, 11-18,

Yunshi Wang, D Sperling, Gil Tal, Haifeng Fang, "China's electric car surge," *Energy Policy* 102 (2017) 486–490.

Kammen, Daniel, Doug Rotman, Magali Delmas, David Feldman, Mike Mielkel, Ramamoorthy Ramesh and Daniel Sperling (2017). [Chapter 6. Scaling Up Solutions to State, National and Global Levels](#), in *Bending the Curve: Ten Scalable Solutions for Carbon Neutrality and Climate Stability. Collabra* 2 (1), 20, pp. 1–11.

Sonia Yeh, Julie Witcover, Gabriel E. Lade, Daniel Sperling, "[A review of low carbon fuel policies: Principles, program status and future directions](#)," *Energy Policy*, 97 (2016) 220–234.

Jeff Kessler and D. Sperling, "[Tracking U.S. biofuel innovation through patents](#)," *Energy Policy*, 98 (2016) 97–107.

Zheng Wan, Jihong Chen, Abdel El Makhlofi, Daniel Sperling, Yang Chen, "[Four routes to better maritime governance](#)," *Nature* 540, 27–29, 2016.

Zheng Wan, Mo Zhu, Shun Chen, and D. Sperling, "[Three steps to a green shipping industry](#)," 18 February 2016, Vol 530, *Nature*, 275-277

Noel Melton, Jonn Axsen, and D. Sperling, "[Moving beyond alternative fuel hype to decarbonize transportation](#)," *Nature Energy*, February 22, 2016

Ogden, Joan M., Lewis Fulton, Daniel Sperling (2016) Making the Transition to Light-duty Electric-drive Vehicles in the U.S.: Costs in Perspective to 2035. Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-16-21.

Zheng Wan, D. Sperling, and Yunshi Wang, "China's Electric Car Frustrations," *Transportation Research Part D*, 34 (2015) 116–121.

D. Sperling and Anthony Eggert, "California's climate and energy policy for transportation," *Energy Strategy Reviews* 5 (2014) 88-94.

J.H. Wesseling, J.C.M. Farla, D. Sperling, M.P. Hekkert, "[Car manufacturers' changing political strategies on the ZEV mandate](#)," *Transportation Research Part D* 33 (2014) 196–209.

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