

CURRICULUM VITAE

1. PERSONAL INFORMATION

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Appointment

Academic Administrator (100%), Cooperative Extension Specialist (0%)
Director, California Institute for Water Resources
Strategic Initiative Leader, Water Quantity, Quality and Security

Educational Background

1990: Doctor of Philosophy, Agricultural and Resource Economics, University of California, Berkeley, Major emphasis: Resource Economics. Minor emphasis: Statistics. Thesis: "The Economics of Marketing Agricultural Product Quality."

1984: Bachelor of Arts, Economics, University of California, Santa Barbara.

1984: Bachelor of Arts, Environmental Studies, University of California, Santa Barbara, Thesis: "Financial Operations of the Central Valley Project: The Case of the New Melones Project."

Employment Background

2011 – Present: *Director*, California Institute for Water Resources, and *Strategic Initiative Leader*, Water Quantity, Quality and Security, University of California, Division of Agriculture and Natural Resources, Oakland.

2007 – 2011: *Director*, Mid-Atlantic Water Program, University of Maryland, College Park.

1999 – 2011: *Associate Professor and Cooperative Extension Specialist*, University of Maryland, College Park, Department of Agricultural and Resource Economics.

2001 – 2003: *Director*, Center for Agricultural and Natural Resource Policy, University of Maryland, College Park, Department of Agricultural and Resource Economics.

1997 – 1999: *Assistant Professor and Cooperative Extension Specialist*, University of Maryland, College Park, Department of Agricultural and Resource Economics.

1994 – 1997: *Executive Director*, International Water and Resource Economics Consortium.

1993 – 1997: *Assistant Cooperative Extension Specialist/Economist and Lecturer*, University of California, Berkeley, Department of Agricultural and Resource Economics.

1992 – 1993: *Visiting Assistant Professor*, University of Maryland, Center for Public Issues in Biotechnology, and *Cooperative Extension Specialist*, University of Maryland, Maryland Institute of Agriculture and Natural Resources.

1991 – 1992: *Acting Director*, University of Maryland, Center for Public Issues in Biotechnology.

1990 – 1991: *Visiting Assistant Professor*, University of Maryland, Center for Public Issues in Biotechnology.

2. SELECTED RESEARCH, SCHOLARLY, AND CREATIVE ACTIVITIES

a. Books

i. Books Edited

Parker, Douglas D., and Yacov Tsur, eds., Decentralization and Coordination of Water Resources Management, Kluwer Academic Publishers, 1997, 451 pages.

ii. Chapters in Books

Parker, Douglas D., and Yacov Tsur, “Introduction and Overview,” in Decentralization and Coordination of Water Resources Management, eds. Douglas D. Parker and Yacov Tsur, Kluwer Academic Press, 1997: 1 – 6.

Parker, Douglas D., “California Water Resources and Institutions,” in Decentralization and Coordination of Water Resources Management, eds. Douglas D. Parker and Yacov Tsur, Kluwer Academic Press, 1997: 45-54.

Parker, Douglas D., and Richard E. Howitt, “California Water,” in California Agriculture: Issues and Challenges, ed. Jerome Siebert, University of California, 1997: 175-194.

Zilberman, David, and Douglas Parker, "Internal Water Disputes: Causes and Solutions," in Conflict and Cooperation on Trans-Boundary Water Resources, eds. Richard Just and Sinaia Netanyahu, Kluwer Academic Press, 1998: 89-108.

Parker, Douglas, and Margriet Caswell, "Technological Innovation to Remove Water Pollutants," in Flexible Incentives for the Adoption of Environmental Technologies in Agriculture, eds. Frank Casey, Andrew Schmitz, Scott Swinton, and David Zilberman: Kluwer Academic Press, 1999: 249-261.

Iho, Antti, Doug Parker and David Zilberman "Optimal Regional Regulation of Animal Waste" In: Modeling, Dynamics, Optimization and Bioeconomics III, eds. Alberto Pinto and David Zilberman, DGS 2016, BIOECONOMY 2015. Springer Proceedings in Mathematics & Statistics, vol 224. Springer, Cham, 2018: 1-23.

Baerenklau, Ken, Tom Tomich, David Zilberman, and Doug Parker, "Chapter 7. Responses: Policies and Institutions" in The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture and the Environment, eds. Tomas Tomich, Sonia Brodt, Randy Dahlgren and Kate Scow, University of California Press, 2016.

b. Articles in Refereed Journals

Green, Gareth, David Sunding, David Zilberman, Douglas D. Parker, Cliff Trotter, and Steve Collup, "The Effect of Water Price on Irrigation Technology Choice," *California Agriculture* (50:2), March – April 1996: 36-40.

Parker, Douglas D., and David Zilberman, "The Use of Information Services: The Case of CIMIS," *Agribusiness: An International Journal* (12:3), 1996: 209-218.

Green, Gareth, David Sunding, David Zilberman, and Douglas D. Parker, "Explaining Irrigation Technology Choices: A Microparameter Approach," *American Journal of Agricultural Economics*, (78) November 1996: 1064-1072.

Osgood, Daniel, Daniel Cohen, Doug Parker, and David Zilberman, "Forecasting the Production Benefits and Incidence of a Public Program: An Integrated Survey and Estimation Procedure Applied to Study the California Irrigation Management Information System," *Advances in Econometrics*, (12) 1997: 303-317.

Olmstead, Janis, David Sunding, Douglas Parker, Richard Howitt, and David Zilberman, "Water Marketing in the 90's: Entering the Electronic Age," *Choices*, Third Quarter 1997: 15-19.

Cohen-Vogel, Daniel, Daniel E. Osgood, Douglas D. Parker, and David Zilberman, "The California Irrigation Management Information System (CIMIS): Intended and Unanticipated Impacts of Public Investment," *Choices*, Third Quarter 1998: 20-25.

Parker, Doug, Daniel R. Cohen-Vogel, Daniel E. Osgood, and David Zilberman, "Publicly Funded Weather Database Benefits Users Statewide," *California Agriculture*, 54(3), May – June 2000, 21-25.

Parker, Doug, "Controlling Agricultural Nonpoint Water Pollution: Costs of Implementing the Maryland Water Quality Improvement Act of 1998," *Agricultural Economics*, 24, December 2000, 23-31.

Abdalla, Charles, Tatiana Borisova, Doug Parker, and Kristen Saacke-Blunk, "Water Quality Credit Trading and Agriculture: Recognizing the Challenges and Policy Issues Ahead," *Choices*, 22(2), Second Quarter 2007: 117-124.

Lawley, Chad, Erik Lichtenberg and Doug Parker, "Biases in Nutrient Management Planning," *Land Economics*, 85(1), April 2009, 186-200.

Gold, Arthur, J., Doug Parker, et. al., "Advancing Water Resource Management in Agricultural, Rural, and Urbanizing Watersheds: Why Land-Grant Universities Matter," *Journal of Soil and Water Conservation*, 68(4), July/August 2013, 337-348.

Bosch, Darrel J., James W. Pease, Robert Wieland and Doug Parker, "Perverse Incentives with Pay for Performance: Cover Crops in the Chesapeake Bay Watershed," *Agricultural and Resource Economics Review*, 42(3), December 2013, 491-507.

Cruse, Richard M., Daniel L. Devlin, Doug Parker, Reagan M. Waskom, "Irrigation aquifer depletion: the nexus linchpin," *Journal of Environmental Studies and Sciences*, 5(4), February 2016.