
Daniel Scheitrum, PhD

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Employment

- 2022- PRESENT ASSISTANT PROFESSOR
Department of Agribusiness, California Polytechnic State University, San Luis Obispo
- 2017-2022 ASSISTANT PROFESSOR
Department of Agricultural and Resource Economics, The University of Arizona

Education

- PHD 2017 UNIVERSITY OF CALIFORNIA, DAVIS
Doctor of Philosophy in Agricultural and Resource Economics
- BA 2007 UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Bachelor of Arts in Mathematics/Economics, Honors and Distinction in the Major
- AS 2007 FOOTHILL COLLEGE, LOS ALTOS HILLS, CA
Associate of Science in Computer Science, Scholar Athlete: Water Polo

Peer-reviewed Publications

- Janzen, J.P., Malone, T., Schaefer, K.A. and **Scheitrum, D.** (2021) "Political returns to ad hoc farm payments?" *Applied Economic Perspectives and Policy* (accepted, forthcoming).
- Schaefer, K.A., **Scheitrum, D.**, and van Winden, S. "Returns on investment to the British bovine tuberculosis control programme." (2021). *Journal of Agricultural Economics* (accepted, forthcoming).
- Nes, K. , Schaefer, K.A., and **Scheitrum, D.** (2021) "Global Food Trade and the Costs of Non-Adoption of Genetic Engineering." *American Journal of Agricultural Economics*, (2022): 104 (1), 70-91.
- Lacy, K., Schaefer, K.A., **Scheitrum, D.**, and Klein, E. "The Economic Value of Genetically Engineered Mosquitoes as a Malaria Control Strategy Depends on Local Transmission Rates." (2021). *Biotechnology*, 2100373.
- Robertson C.T., Schaefer K.A., Malone T., and **Scheitrum, D.** (2021) "Are Vaccine Lotteries Worth the Money?" *Economics Letters*, 209, 110097.
- Scheitrum, D.** and Schaefer, K.A. "Farm Animal Enclosure Requirements and Industry Concentration." (2021). *Frontiers in Animal Science*, 50.
- Robertson C.T., **Scheitrum, D.**, Schaefer K.A., Malone T., McFadden B., Ferraro P., and Messer K. (2021) "Paying Americans to Take the Vaccine—Would it Help or Backfire?" *Journal of Law and the Biosciences*, 8 (2), Isab027.
- Saitone, T. , Schaefer, K.A., and **Scheitrum, D.** "COVID-19 Morbidity and Mortality in U.S. Meatpacking Counties." *Food Policy*, 101 (2021): 102072.
- Carter, C. A., Schaefer, K.A. and **Scheitrum, D.** "Piecemeal Farm Regulation and the U.S. Commerce Clause." *American Journal of Agricultural Economics*, (2021): 103 (3), 1141-1163.
- Robertson, C.T., Schaefer, K.A., **Scheitrum, D.**, Puig, S., & Joiner, K.A. "Indemnifying Precaution: Economic Insights for Regulation of a Highly Infectious Disease." *Journal of Law and the Biosciences*, 7 (1) (2020): 20-24.
- Scheitrum, D.**, Schaefer, K.A. and Nes, K. "Realized and Potential Global Production Effects from Genetic Engineering." *Food Policy*, (2020): 101882.
- Carter, C. A., Schaefer, K.A. and **Scheitrum, D.** "Raising Cane: Hedging Calamity in Australian Sugar." *Journal of Commodity Markets*, (2020): 100126.
- Schaefer, K.A. and **Scheitrum, D.** "Sewing Terror: Price Dynamics of the Strawberry Needle Crisis." *The Australian Journal of Agricultural and Resource Economics*, 64 (2) (2020): 229-243.

- Scheitrum, D.** "Impact of Intensity Standards on Alternative Fuel Adoption: Renewable Natural Gas and California's Low Carbon Fuel Standard." *The Energy Journal*, 41 (2) (2020).
- Zuo, N., Josephson, A., and **Scheitrum, D.** "Engaging Students in Global Agriculture: Three Authentic-Learning Classroom Interventions." *NACTA Journal* 63, no. 1A (2019): 99-107.
- Schaefer, K.A., **Scheitrum, D.**, and Nes, K. "International Sourcing Decisions in the Wake of a Food Scandal." *Food Policy*, 81 (2018): 48-57.
- Scheitrum, D.**, Carter, C. A., and Revoredo-Giha, C. "WTI and Brent Futures Pricing Structure." *Energy Economics* 72 (2018): 462-469.
- Ogden, J., Jaffe, A.M., **Scheitrum, D.**, McDonald, Z., Miller, M. "Natural Gas as a Bridge to Hydrogen Transportation Fuel," *Energy Policy*, 115 (2018): 317-329.
- Parker, N., Williams, R., Dominguez-Faus, R., and **Scheitrum, D.** "Renewable Natural Gas in California: An Assessment of the Technical and Economic Potential," *Energy Policy*, 111 (2017): 235-245.
- Scheitrum, D.**, Jaffe, A.M., Dominguez-Faus, R., and Parker, N. "California Low Carbon Fuel Policies and Natural Gas Fueling Infrastructure: Synergies and Challenges to Expanding the use of RNG in Transportation," *Energy Policy* 110 (2017): 355-364.
- Fan, Y., Lee, A., Parker, N., **Scheitrum, D.**, Jaffe, A.M., Dominguez-Faus, R., and Medlock, K. "Geospatial, temporal and economic analysis of alternative fuel infrastructure: The case of freight and U.S. natural gas markets." *The Energy Journal* 38 (6) (2017).
- Scheitrum, D.**, Carter, C. A., and Jaffe, A. M. "Testing Substitution between Private and Public Storage in the U.S. Oil Market: A Study on the U.S. Strategic Petroleum Reserve." *Energy Economics* 64 (2017): 483-493.

Other Publications and Reports

- Scheitrum, D.**, "U.S. Bell Pepper Supply." Report. 2022.
- Scheitrum, D.**, "U.S. Cucumber Supply." Report. 2022.
- Saitone T., Schaefer K.A., and **Scheitrum D.** (2021). "COVID-19 Transmission in Meatpacking Plants in the United States." ARE Update 24(5): 9-11.
- Aradhyula, S., Chin, E., Duval, D., **Scheitrum, D.**, Thompson, G., and Tronstad, R. "Impact of COVID-19 Pandemic on Fresh Tomato Shipments and Prices." Report. 2021.
- Aradhyula, S., Chin, E., Duval, D., **Scheitrum, D.**, Thompson, G., and Tronstad, R. "Impact of COVID-19 Pandemic on Fresh Tomato Shipments and Prices." Report.
- Scheitrum, D.**, "Examining Agricultural Support and Subsidies in the U.S. and Mexico." Report.
- Jaffe, A. M., and **Scheitrum, D.**, "Voluntary emissions reduction: How the US can stay in Paris Agreement." The-Hill.com, April 1, 2019.
- Jaffe, A. M., and **Scheitrum, D.**, "The Trump Affordable Clean Energy Policy: Deciphering Emissions Math." Council on Foreign Relations Blog. August 30, 2018.
- Jaffe, A. M., Dominguez-Faus, R., Ogden, J., Parker, N., **Scheitrum, D.**, McDonald, Z., Fan, Y., Durbin, T., Karavalakis, G., Wilcock, J., Miller, M., and Yang, C. "The Potential to Build Current Natural Gas Infrastructure to Accommodate the Future Conversion to Near-Zero Transportation Technology." California Air Resources Board Report, Contract No. 14-317. March, 2017.
- Scheitrum, D.**, Jaffe, A. M., and Fulton, L. "Changing Oil Market Fundamentals and the Implications for OPEC Production Strategy." *IAEE Energy Forum*, Bergen Special Issue 2016.
- Jaffe, A. M., Dominguez-Faus, R., Parker, N., **Scheitrum, D.**, Wilcock, J., and Miller, M. "Final Report of The Feasibility of Renewable Natural Gas as a Large-Scale, Low Carbon Substitute." California Air Resources Board Report, Contract No. 13-307. June, 2016.
- Jaffe, A. M., Dominguez-Faus, R., Lee, A., Medlock, K., Parker, N., **Scheitrum, D.**, Burke, A., Zhao, H., and Fan, Y. 2015. "Exploring the Role of Natural Gas in U.S. Trucking." University of California, Davis. Institute of Transportation Studies White Paper.

Grants and Awards

2021: USDA Cooperative Agreement (Co-I: \$250,000)

2021: Fresh Produce Association of the Americas (PI: \$9,900)

2020: Fresh Produce Association of the Americas (PI: \$9,953)

2020: Consejo Nacional de Ciencia y Tecnologia (Co-I: \$30,609)

2019: Fresh Produce Association of the Americas (PI: \$9,876)

2018: California Air Resources Board (Sub-award: \$28,265)

2017: University of Arizona TRIF Water, Environmental and Energy Solutions Program Grant (Internal: \$5,000)

2015: ExxonMobil Fellow 2014-2015 (Award: \$1,000)

New Course Creation

AREC 210: Understanding the World of Commerce, General Education Tier 2: Individuals and Societies

Teaching

Instructor: Cal Poly SLO, AGB 308: Introduction to Agribusiness Finance (Undergraduate)

Instructor: Cal Poly SLO, AGB 310: Agribusiness Credit and Finance (Undergraduate)

Instructor: Arizona, AREC 504: Production Economics (Graduate)

Instructor: Arizona, AREC 313: Economics of Futures Markets (Undergraduate)

Co-Instructor: Arizona, AREC 513: Consumption Economics (Graduate)

Co-Instructor: Arizona, AREC 580: Mathematics for Economists (Graduate)

Co-Instructor: Arizona, AREC 210: Understanding the World of Commerce (Undergraduate)

Advising (underline indicates committee chair)

MS Committee 2021: Taylor Dew, Brian McGreal, Markanna Moore

MS Committee 2020: Helen Breither, Austin Walker

MS Committee 2019: Rich Antonio, Joseph Blumberg, Mike Guarino, Nate Hu, Xiaoting Wu, Ryan Young

MS Committee 2018: Siddharth Kishore, Andrew Lobo, Joseph Navelski, Dezheng Qu, Xinye Wu

Presentations

2022: University of Arizona Law School; Agricultural Economics Society Conference

2021: Yale Law School; Australian Agricultural and Resource Economics Society; International Consortium on Applied Bioeconomy Research; AAEA Annual Meeting

2020: Arizona State University; University of Arizona; Michigan State University; UC Davis

2019: Leibniz University–Hannover; Université Paris-Dauphine; University of London–Royal Veterinary College; International Consortium on Applied Bioeconomy Research–Ravello, Italy, AAEA Annual Meeting; University of Arizona

2018: Gas, Oil, and Petroleum Engineering Conference; AAEA Annual Meeting; USAEE Annual Conference

2017: University of Arizona; Renewable Natural Gas Coalition Annual Conference

2016: Alberta Climate Summit; AAEA Annual Meeting; California Air Resources Board; Energy and Commodity Finance Conference; IAEE International Conference; UC Davis Institute for Transportation Studies; ExxonMobil

2015: Westport Innovations; Volkswagen Group of America

2014: California Energy Commission

Service

AAEA Nominating Committee Member, 2021
AAEA Australasia Section President-Elect, Secretary, Treasurer, 2021
AARES North America Branch Secretary, Treasurer, 2021
Departmental Search Committee, 2021
UA CALS Faculty Council, 2021
Departmental Diversity, Equity, & Inclusion Committee, 2020, 2021
USAAE President's Advisory Council, 2020
Departmental Merit Committee, 2019, 2020
USAAE Membership Committee, 2019, 2020, 2021 (chair)
RNG Coalition Scholarship Advisory Board, 2019
AAEA Annual Meeting Abstract Reviewer, 2019, 2020, 2021
University Renewable Energy Advisory Committee, 2018
Systems and Industrial Engineering, Faculty Search Committee, 2018
Departmental Curriculum Committee, 2018
Board Member, Old Pueblo Water Polo Club, a 501(c)3 non-profit, 2018–2021

Referee: *The Energy Journal, The Canadian Journal of Economics, Energy Economics, Journal of Commodity Markets, Agricultural and Resource Economics Review, Applied Economic Perspectives and Policy, American Journal of Agricultural Economics, Food Policy, Journal of Agricultural and Resource Economics, Sustainability, Journal of Agricultural and Applied Economics*