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## RESEARCH AND TEACHING INTERESTS

Transportation Economics, Environmental Economics, and Experimental Economics

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## EDUCATION

Ph.D. Candidate, Department of Economics, University of California - Irvine, 2018 (*expected*)

M.S., Transportation Technology and Policy, University of California – Davis, 2010

B.S., Electric Engineering, University of Maryland – College Park, 2005

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## RESEARCH

### Working Papers

“The Price is Wrong: A Truthful Mechanism for Eliciting Willingness to Pay for Express Lane Access,” 2017

“Learning Equilibria in Congested Multi-State Networks,” 2017

“The Effect of Ambient Air Pollution on the Frequency of Motor Vehicle Collisions,” 2017

### Publications

“An Experimental Study of Route Choice and Incident Management Using a Real-Time 2D Driving Simulator with Variable Message Signs,” co-authored with Si-Yuan Kong, David Brownstone, and Michael McBride, *TRB 96th Annual Meeting Compendium of Papers - 2017*

“Experimental Studies for Traffic Incident Management,” co-authored with Si-Yuan Kong, David Brownstone, and Michael McBride, *trid.trb.org - 2016*

“State of charge: Electric vehicles' global warming emissions and fuel-cost savings across the United States”, co-authored with Don Anair,” *Union of Concerned Scientists – 2012*

### Research Experience

Graduate Student Researcher on Experimental Studies for Traffic Incident Management, supervised by David Brownstone and Michael McBride funded by two consecutive UC Connect Faculty Research Grants (Spring 2015 – Spring 2017).

Vehicles Analyst/Engineer at Union of Concerned Scientists, studying climate impacts of electric vehicle charging and unconventional oil production (January 2011 – August 2012).

Graduate Student Researcher on Potential Design, Implementation, and Benefits of a Feebate Program for New Passenger Vehicles in California supervised by David Bunch at University of California – Davis (2007 - 2009)

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## GRANTS, AWARDS, AND FELLOWSHIPS

### Grants and Fellowships

Pacific Southwest Region University Transportation Center Graduate Fellowship, 2017 (\$23,000)

Co-wrote proposal for UCCONNECT Award # 65A0529, Task # TO050 with another student, 2016-2017 (\$172,000)

Co-wrote proposal for UCCONNECT Award # 65A0529, Task # TO018 with another student, 2015-2016 (\$113,000)

Center for Economics and Public Policy Borowski Award, Fall 2013 (\$1000)

### Awards

Ken Small Award for Best PhD Student in Transportation and Urban Economics, 2016-2017

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## CONFERENCE AND SEMINAR PRESENTATIONS

### Conferences

Southwest Experimental and Behavioral Economics Workshop, 2017, Learning Equilibria in Congested Multi-State Networks

Economic Science Association World Meeting, 2017, Learning Equilibria in Congested Multi-State Networks (accepted)

Transportation Research Board Annual Meeting, 2017, Learning Equilibria in Congested Multi-State Networks

### Seminars

University of California at Irvine, Department of Economics, Transportation, Urban & Environmental Seminar, Fall 2017

University of California at Irvine, Institute for Mathematical Behavioral Sciences Seminar, Spring 2013

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## TEACHING EXPERIENCE

### Teaching Assistant Assignments

Managerial Economics (Spring 2016, Spring 2014)

Applied Econometrics (Fall 2014)

Probability and Statistics (Fall 2013, Winter 2013)

Introduction to Financial Investments (Winter 2013)

Introduction to Economics (Fall 2012)

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## REFERENCES

Prof. David Brownstone (Chair)  
Department of Economics  
University of California, Irvine  
(949) 824-6231  
dbrownst@uci.edu

Prof. Michael McBride  
Department of Economics  
University of California, Irvine  
(949) 824-7417  
mcbride@uci.edu

Dr. Kevin Roth  
Economist  
Christensen Associates  
(formerly professor at UC Irvine  
and on my dissertation committee)  
(608) 231-2266