

# Sara Hajiamiri

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## Education

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Ph.D. Policy Analysis (Applied Economics)

Pardee RAND Graduate School, Santa Monica, CA, 2005-2010

Dissertation: *“Three Essays in Transportation Energy and Environmental Policy”*

M.Sc. Engineering Policy Analysis

Delft University of Technology (TUDelft), Delft, the Netherlands, 2003-2005

Dissertation: *“The Contribution of the Hamoun Wetland to Sustainable Development in Sistan, a Closed Inland Delta in Iran”*

B.Sc. Civil Engineering

Amirkabir University of Technology, Tehran, Iran, 1997-2001

## Relevant Work Experience

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June 2005-Present: Policy Analyst, RAND Corporation, Santa Monica, CA

- Conducted feasibility study of California Low Carbon Fuel Standard (co-PI)

- Conducted cost-effectiveness analysis of clean technologies and alternative fuels; estimated changes in lifecycle greenhouse gas emissions, air pollutants, and energy consumption (PI)

- Studied costs and benefits of improving vehicle fuel efficiency (PI)

- Studied impacts of fuel-efficient vehicles on transportation finance (PI)

- Estimated environmental benefits of water-use efficiency programs relative to supply-enhancement measures

- Conducted research on obstacles and pathways to development of carbon capture and sequestration technology

- Conducted cost-benefit analysis of regulating formaldehyde in US

January 2009-April 2009: Consultant, World Bank, Washington, DC

- Provided consultation to several Bank’s projects in the context of climate change adaptation and mitigation

February 2007-June 2007: Teaching Assistant in Operations Research, Pardee RAND Graduate School

January 2005-August 2005: Intern, WL| Delft Hydraulics, Delft, the Netherlands

- Contributed to Hamoun Wetland Integrated Water Resources Management project

- Conducted field visits and focus groups; designed survey; educated local students to conduct interviews, and report results; analyzed data.

June 2000-August 2003: Civil Engineer, Sano and Faradid Consultant Engineers, Tehran, Iran

- Structural design of cement factories, residential homes, and bridges; responsible for tracking budget, costs, and progress of several ongoing engineering projects.

## Skills

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*Analytical Skills:* Cost-benefit analysis; Cost-effectiveness analysis; Life-cycle analysis of environmental, economic, and societal impacts; Risk analysis; System dynamics and spreadsheet modeling; Descriptive and exploratory statistical analysis: linear regressions.

*Computer Skills:* Advanced user of Excel, Word, and PowerPoint; experience with Microsoft Project; Statistical packages: STATA, SPSS; Simulation packages: ARENA, PowerSim, Analytica; Other:

Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation (GREET), Mathematica, AMPL.

*Languages:* Farsi, Dari, and Tajik: Native; German: Good; Dutch, French, and Arabic: Beginner

### **Honors and Awards**

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2010: Gayord K. Huth Memorial Award, Best PhD dissertation award dealing with public policy in a technical field, Pardee RAND Graduate School

2010: Eno Fellowship Award, Eno Transportation Foundation

2008: Recipient of Women's Transportation Seminar Graduate Award, Los Angeles Chapter

2008-2009: Recipient of Cazier Dissertation Award in Sustainability, Pardee RAND Graduate School

### **Publications**

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Sara Hajiamiri, 2010, *Three Essays in Transportation Energy and Environmental Policy*, Doctoral Dissertation, Santa Monica, Califo.:RAND Corporation.

Sara Hajiamiri, Martin Wachs, 2010, Hybrid-Electric Vehicles and Implications for Transportation Finance, accepted for publication in *Journal of Public Works Management and Policy*.

Sara Hajiamiri, Myles T. Collins, John D. Graham, 2010, Suppose the USA Had REACH: ramifications for formaldehyde, *Journal of Risk Research*, 13:5,639-651.

David G. Groves, James Griffin, Sara Hajiamiri, 2008, *Estimating the value of water-use efficiency in the Intermountain West*, Santa Monica, Califo.:RAND Corporation, TR-504.

K.S. Meijer, Hajiamiri, S., 2007, Quantifying Well-Being Values of Environmental Flows for Equitable Decision-Making: A case study of the Hamoun wetlands in Iran, *International Journal of River Basin Management*, Vol. 5, No. 3 (2007), pp. 223-233.

James P. Kahan, Mengjie Wu, Sara Hajiamiri, Debra S. Knopman, 2006, *From Flood Control to Integrated Water Resource Management: Lessons for the Gulf Coast From Flooding in Other Places in the Last Sixty Year*, Santa Monica, Califo.:RAND Corporation, OP-164.

Sara Hajiamiri, 2005, The Contribution of the Hamoun Wetland to Sustainable Development in Sistan, a Closed Inland Delta in Iran, Master Thesis, Delft University of Technology.

Sara Hajiamiri, John D. Graham, Consumers Preferences for Vehicle Performance, Size, and Fuel Efficiency- A Revealed Preference Approach (in progress)

Sara Hajiamiri, Thomas Light, The Private Benefit and Societal Impacts of Electric Vehicles in the US (in progress)

Ryan Keefe, Sara Hajiamiri, California Low Carbon Fuel Regulation and the Biofuels Gap (in progress)