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SHANTHI NATARAJ
UNIVERSITY OF CALIFORNIA, BERKELEY

RESEARCH INTERESTS

International Trade, Development Economics, Environmental and Resource Economics.

EDUCATION

Ph.D. anticipated May 2010. University of California, Berkeley. Agricultural and Resource Economics.
B.Sc. 2000. Northwestern University. Environmental Engineering. *Summa cum laude*.

PERSONAL

Citizenship: United States of America/United Kingdom (Dual)
Languages: English (native), Spanish (proficient)

REFERENCES

Professor Ann Harrison
University of California, Berkeley & World Bank
Dept. of Agricultural and Resource Economics
207 Giannini Hall, Berkeley CA 94720
Tel: (202) 473-1418
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Professor Pranab Bardhan
University of California, Berkeley
Dept. of Economics
508-1 Evans Hall, Berkeley CA 94720
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Professor Sofia Villas-Boas
University of California, Berkeley
Dept. of Agricultural and Resource Economics
207 Giannini Hall, Berkeley CA 94720
Tel: (510) 643-6359
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Professor W. Michael Hanemann
Chancellor's Professor
University of California, Berkeley
Dept. of Agricultural and Resource Economics
207 Giannini Hall, Berkeley CA 94720
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PUBLICATIONS AND WORKING PAPERS

"The Impact of Trade Liberalization on Productivity and Firm Size: Evidence from India's Formal and Informal Manufacturing Sectors." (**Job Market Paper**)
"Intra- vs Inter-Firm Productivity Growth: A Case Study of India" with Ann Harrison & Leslie Martin.
"Distortionary Policies and the 'Missing Middle' in Manufacturing Employment."
"Do Residential Water Consumers React to Price Increases? Evidence from a Natural Experiment in Santa Cruz" in *Agricultural and Resource Economics Update*, 2007, 10(3): 9-11.
"Does Marginal Price Matter? A Regression Discontinuity Approach to Estimating Water Demand" with Michael Hanemann. Revise and resubmit at the *Journal of Environmental Economics and Management*.

HONORS AND AWARDS

Senior Personnel, National Science Foundation Grant No. 0922332 (\$290,555 awarded), 2009-2012.
Teaching Effectiveness Award, UC Berkeley, 2009.
National Science Foundation Graduate Research Fellowship, 2006-2009.

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HONORS AND AWARDS *(continued)*

Outstanding Graduate Student Instructor Award, UC Berkeley, 2007-2008.
Best Graduate Student Econometrics Paper, Ag. and Resource Economics, UC Berkeley, 2006.
Management of Technology/UNIDO International Research Fellowship, UC Berkeley, 2005-2006.
Graduate Opportunity Fellowship, UC Berkeley, 2004-2006.
Licensed Professional Engineer (Environmental), 2005-Present.
Tau Beta Pi Engineering Honor Society, Northwestern University, 1999-2000.

RESEARCH EXPERIENCE

Consultant, World Bank Development Research Group, May 2009-present. Applying a variety of econometric techniques to investigate causes of India's unusual firm size distribution, which is highly skewed towards tiny firms. Developing measures of various policies including credit availability, infrastructure quality, and labor market conditions to assess constraints on firm growth.

Management of Technology/UNIDO International Research Fellow, UC Berkeley, June-August 2006. Conducted a small field study on the adoption of cleaner-burning, biomass gasifier stoves in Maharashtra, India. Developed estimates of consumer willingness-to-pay for gasifier stoves, and identified specific changes to the gasifier stoves that would encourage adoption in Maharashtra.

Research Assistant for Professor Michael Hanemann, Agricultural and Resource Economics, UC Berkeley, September 2005-May 2006. Estimated impact of increasing block pricing system on residential water demand. Developed regression discontinuity method for testing causal impact of the introduction of a new price block on demand. Simulated demand under various price structures using discrete-continuous choice, maximum likelihood estimation techniques.

TEACHING EXPERIENCE

Graduate Student Instructor for Professor Ann Harrison's International Trade course (undergraduate), Fall 2008. Median teaching effectiveness score in student evaluations: 7 out of 7.

Graduate Student Instructor for Professor Keith Gilliss' Introduction to Environmental Economics and Policy course (undergraduate), Spring 2007. Median teaching effectiveness score in student evaluations: 7 out of 7. Received Outstanding Graduate Student Instructor Award based on student evaluations (awarded to top 10% of teaching assistants campus-wide) and Teaching Effectiveness Award for implementing participatory teaching methods in section meetings.

INDUSTRY EXPERIENCE

Environmental Engineer, Parsons Corporation, March 2000-July 2004. Performed a variety of engineering services, including design, operation and maintenance of water and wastewater treatment systems; investigation and remediation of hazardous waste sites; design and construction management for landfill cap systems; and analysis of human health and environmental risk. Served as a project manager: supervised field staff, managed budgets, and interacted with clients and regulators. Worked with federal, state, and local regulatory agencies, as well as industrial clients. Created and delivered written and oral presentations to clients, regulators, and community groups.

OTHER

Affiliations: American Economic Association, American Society of Civil Engineers
Reviewer: The World Bank Economic Review, Resource and Energy Economics
Computer: Stata, Matlab, Gauss, Mathematica, LaTeX, ArcGIS suite, Microsoft Office suite