

Anant Sudarshan

CONTACT INFORMATION	U.Chicago Center in India DLF Capitol Point, Baba Kharak Singh Marg New Delhi, India 110001	☎ ✉ WEB:	+91-9811062236 anants@uchicago.edu www.anantsudarshan.com
APPOINTMENTS	South-Asia Director Energy Policy Institute at Chicago (India)		University of Chicago Dec 2017 - present
	India Director Energy Policy Institute at Chicago (India)		University of Chicago Aug 2014 - Nov 2017
	Senior Research Associate (PI Status) Department of Economics		University of Chicago Aug 2014 - present
	Harvard Kennedy School Sustainability Science Fellow		Harvard University April 2011 - Aug 2014
	MIT Energy Initiative Research Scientist	Massachusetts Institute of Technology	Sep 2013 - Aug 2014
	Abdul Latif Jameel Poverty Action Lab Senior Research Manager		IFMR April 2011 - Aug 2014
	Sequoia Capital Consultant		Mumbai, Stanford Sep 2009 - Mar 2010
	The Energy and Resources Institute Research Associate		New Delhi, India May 2006 - April 2007
EDUCATION	Stanford University , Stanford, CA, USA Ph.D, Management Science and Engineering, March 2011 Master of Science, Mechanical Engineering, 2006		
	Indian Institute of Technology , New Delhi, India Bachelor of Technology, Mechanical Engineering, 2004		
RESEARCH PUBLICATIONS	‘Nudges in the marketplace: The response of household electricity consumption to information and monetary incentives’. 2017. <i>Journal of Economic Behavior and Organization</i> , Vol. 134, pp. 320-335		
	‘Lower Pollution, Longer Lives: Life Expectancy Gains if India Reduced Particulate Matter Pollution’. 2015. <i>Economic and Political Weekly.</i> , L(8), pp. 40-46. (with Michael Greenstone, Janhavi Nilekani, Rohini Pande, Nicholas Ryan, Anish Sugathan)		
	‘Deconstructing the Rosenfeld Curve: Making sense of California’s low electricity intensity’. 2013. <i>Energy Economics</i> , Vol. 39, 197-207.		
	‘Real-time Feedback and Electricity Consumption: A Field Experiment Assessing the Potential for Savings and Persistence’. 2013. <i>The Energy Journal</i> , Vol. 34(1). (with Sebastien Houde, Annika Todd, June A. Flora and Carrie K. Armel)		

‘Psychohistory Revisited: Fundamental issues in forecasting climate futures’. 2011. *Climatic Change*, Vol. 104(3-4), pp 457-472. (with Cullenward, D., Schipper, L., and Howarth, R).

‘Transport and carbon emissions in the United States: The long view’. 2011. *Energies (Special Issue on Energy-Friendly Transportation)*, Vol. 4(4). pp 563-581. (with Schipper, L. and Saenger, C.).

‘How can economic schemes curtail the increasing sex ratio at birth in China?’. 2008. *Demographic Research*. Vol 19. pp. 1831-1850. (with Bhattacharjya, D., Tuljapurkar, S., Shachter, R. and Marcus Feldman).

‘Weather data mining using independent component analysis.’ 2004. *Journal of Machine Learning Research*. Vol 5. pp. 239-253. (with Basak, J., Trivedi, D. and M. S. Santhanam).

POLICY
PUBLICATIONS

India: Pathways to Sustaining Rapid Development in a New Climate Economy. 2014. *New Climate Economy Report*. (contributing author on Energy Demand Management)

Going Beyond the Price Signal: Managing Energy Demand through Behavioral Instruments. 2014. *ISB Insights*, July-Sep, 2014

Electricity demand in urban Indian households: Influencing consumer behaviour. 2013. *Ideas for India*

Noronha, Ligia and Anant Sudarshan (eds). 2009. *India’s Energy Security*. Routledge Contemporary South Asia Series. New York: Routledge

Coal Supply: The Fallacy of Abundance. 2008. In *The Coal Dilemma*. New Delhi: TERI Press. S.K.Chand (editor)

WORKING PAPERS

‘The Impact of Temperature on Productivity and Labor Supply: Evidence from Indian Manufacturing’. 2017. With E.Somanathan, Rohini Somanathan and Meenu Tewari (Revision submitted to the *Journal of Political Economy*)

‘Is Off-grid Solar the Answer for Rural Electrification? Evidence from Indias Surprisingly Competitive Retail Power Market’. 2018. With Robin Burgess, Michael Greenstone, Nicholas Ryan.

‘The Efficiency of Rationing: Agricultural Power Subsidies, Power Supply and Groundwater Depletion in Rajasthan’. 2018. With Nicholas Ryan.

WORK IN
PROGRESS

Agricultural Electricity Subsidy Reform and Power Leakage in Rajasthan. Co-PIs: Nicholas Ryan (Yale)

Electricity Service Delivery as a Collection Action Problem. Co-PIs: Michael Greenstone (U.Chicago), Robin Burgess (London School of Economics) and Nicholas Ryan (Yale)

Contract Design for Private Electricity Billing and Collection Agents. Co-PIs: Michael Greenstone (U.Chicago), Robin Burgess (London School of Economics) and Nicholas Ryan (Yale)

Are Efficient Pumpsets a Solution to Inefficient Pricing? Co-PIs: Santosh Harish (University of Chicago India Trust) and Nicholas Ryan (Yale)

The Demand and Welfare Benefits of Electricity for Rural Households. Co-PIs: Michael Greenstone (U.Chicago), Robin Burgess (London School of Economics) and Nicholas Ryan (Yale)

Emissions trading to regulate particulate industry emissions. Co-PIs: Michael Greenstone (U.Chicago), Rohini Pande (Harvard Kennedy School) and Nicholas Ryan (Yale)

The Effect of Better Information on Regulator and Plant Behavior. Co-PIs: Michael Greenstone (U.Chicago), Rohini Pande (Harvard Kennedy School) and Nicholas Ryan (Yale)

Transparency and Environmental Outcomes. Co-PIs: Michael Greenstone (U.Chicago), Rohini Pande (Harvard Kennedy School) and Nicholas Ryan (Yale)

Wastewater as a Collective Action Problem Co-PIs: Michael Greenstone (U.Chicago), Rohini Pande (Harvard Kennedy School) and Nicholas Ryan (Yale)

Heat Islands and the Long-Term Environmental Impact of Urbanization. Co-PIs: Shra-
van Hanasoge (Tata Institute for Fundamental Research)

SELECTED
CONFERENCES

2018. 'The Efficiency of Rationing: Agricultural Power Subsidies, Power Supply and Groundwater Depletion in Rajasthan'. Mar 8 2018. NBER Energy and Environment Spring Meetings.

2017. 'The Solvable Challenge of Air Pollution in India'. July 11-12 2017. India Policy Forum.

2016. 'The Impact of Temperature on Productivity and Labor Supply: Evidence from Indian Manufacturing'. June 22-June 25 2016. Annual Conference of the European Association of Environmental and Resource Economists.

2016. 'The Role of Decentralized Solar in Rural Electrification'. June 1-3 2016. IGC Growth Week.

2015. 'Energy and growth: Challenges and opportunities for developing countries'. November 12-13 2015. IGC Energy Conference.

2014: 'The Economic Impacts of Temperature on Industrial Productivity: Evidence from Indian Manufacturing'. July 21-22, 2014. NBER Summer Institute Meetings

2013: 'The Economic Impacts of Temperature on Industrial Productivity: Evidence from Indian Manufacturing'. November 3-4, 2013. North-East Universities Development Consortium Conference, Harvard University

2013: 'The Behavioral Effects of Monetary Contracts: Using peer comparisons and financial incentives to reduce electricity demand in urban Indian households'. September 23-25, 2013. Stanford Institute for Theoretical Economics: Psychology and Economics

2012: 'Money for Nothing: Using peer comparisons and financial incentives to reduce electricity demand in urban Indian households'. November 3-4, 2012. North-East Universities Development Consortium Conference, Dartmouth

2011: 'Deconstructing the Rosenfeld Curve: A model of household energy demand'. 34th IAEE International Conference. June 19-23, 2011 at the Stockholm School of Economics, Sweden. *Best Student Paper Award*

GRANTS

2016: Design, Implementation and Evaluation of a Pilot Emissions Trading Scheme

(MacArthur Foundation)

2016: Enabling air quality with better monitoring, energy efficiency and market measures (USAID APS)

2016: Trust and the purchase of energy efficient durable goods: Evidence from cooking stoves in India (E2e Design Competition)

2016: Agricultural Electricity Subsidy Reform and Power Leakage in Rajasthan (J-PAL Governance Initiative)

2015: Harnessing Transparency Initiatives to Improve India's Environmental Clearance Process (International Initiative for Impact Evaluation)

2015: Transparent Environmental Regulation and Industrial Performance (Private Enterprise Development for Low-Income Countries)

2015: Heat Islands and the Long-Term Environmental Impact of Urbanization (University of Chicago)

2015: Asymmetric Information and the Energy-Efficiency of Durable Goods: Evidence from Cooking Stoves in India (International Growth Centre - India)

2015: Harnessing Transparency Initiatives to Improve India's Environment and Forest Clearance Process (International Initiative for Impact Evaluation).

2014: Continuous Emissions Monitoring of Particulate Matter in Indian Industry (USAID Development Innovation Ventures)

2014: Lighting Up Bihar: Electricity Service Delivery as a Collection Action Problem (J-PAL Urban Services Initiative)

2013: Building Environmental Regulation that Enables Growth (International Growth Centre - India)

2013: Lighting Up Bihar: Electrification to Sustain Economic Growth (International Growth Centre - Bihar)

201: Building Capacity to Use Research Evidence (Department for International Development)

2013: Shaping Environmental Policy for Co-benefits (Shakti Sustainable Energy Foundation, Climateworks)

2013: Pilot Project to Design and Evaluate Incentive Schemes to Promote Sustainable Urban Transportation in India (J-PAL Urban Services Initiative)

2012: Increasing the Transparency of Environmental Regulation (J-PAL Governance Initiative)

2012: Using peer comparisons and financial incentives to reduce electricity demand (Sustainability Science Initiative, Harvard Kennedy School)

2011: Designing a Particulate Emissions Trading Scheme for India (Ministry of Environment and Forests, GoI)

NOMINATIONS
AND AWARDS

Associate Editor, Environment and Development Economics.
 Research Affiliate, International Growth Centre.
 GRIHA Technical Advisory Committee (Behavioral Economics) 2015
 Steering Committee on air pollution, Ministry of Health, Government of India
 Technical Committee on Emissions Monitoring, Central Pollution Control Board
 Best Student Paper Award, International Association of Energy Economics, 2011
 Deans Fellowship to Stanford School of Engineering
 Institute Silver Medal for All-Round Excellence, IIT-Delhi, 2004
 Best Undergraduate Thesis Award, Department of Mechanical Engineering, IIT-Delhi
 Roll of Honor (Karakoram House, IIT Delhi), 2004
 Shashank Vikram Garg Award for best all-round student, IIT Delhi, 2003
 National Talent Search Examination Scholarship (Govt. of India), 1998-2004

TEACHING

Stanford University, Stanford, CA, USA

2009: Sustainable Mobility (Lead TA for Prof. Lee Schipper)
2010: Energy and Environmental Policy Analysis (Lead TA for Prof. James Sweeney)
2010: Brainstorming India (Co-Instructor)

Ashoka University, Haryana, India

2015: Introduction to Environmental Studies (Lead Instructor)

POPULAR
WRITING

Columnist for *Forbes Online*
Columnist for *The Indian Express*
Contributor to Ideas For India policy blog