

Anant Sudarshan

CONTACT INFORMATION	University of Chicago SH 359 Saieh Hall, 1158 E 58th St. Chicago, USA 60637	☎ ✉ WEB:	(+1)415-347-1760 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		
PUBLICATIONS	Rationing the commons. 2021. Accepted. <i>Journal of Political Economy</i> . (With Nicholas Ryan)		
	The Impact of Temperature on Productivity and Labor Supply: Evidence from Indian Manufacturing. 2021. <i>Journal of Political Economy</i> . 129:6, 1797-1827 . (with E. Somanathan, Rohini Somanathan, and Meenu Tewari)		
	'The Consequences of Treating Electricity as a Right'. 2020. <i>Journal of Economic Perspectives</i> . Vol 34 (1), pp 145-169 (with Robin Burgess, Michael Greenstone, and Nicholas Ryan).		
	'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		

‘The Solvable Challenge of Air Pollution in India.’ *India Policy Forum 2017*. (with Michael Greenstone, Santosh Harish, Rohini Pande).

‘Lower Pollution, Longer Lives: Life Expectancy Gains if India Reduced Particulate Matter Pollution’. 2015. *Economic and Political Weekly*, 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. *Energy Economics*, Vol. 39, 197-207.

‘Real-time Feedback and Electricity Consumption: A Field Experiment Assessing the Potential for Savings and Persistence’. 2013. *The Energy Journal*, 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).

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

‘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).

BOOKS

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

WORKING PAPERS

The Demand for Electricity on the Global Electrification Frontier. 2021. Reject and Resubmit. *American Economic Review* (With Robin Burgess, Michael Greenstone, Nicholas Ryan).

Quantifying the effect of domestic travel bans on COVID-19 infections. 2020. Under Review. (With Fiona Burlig and Garrison Schlauch)

The Social Costs of Keystone Species Collapse: Evidence From The Decline of Vultures in India. (With Eyal Frank)

SELECTED GRANTS

2021: Piloting and Scaling Market-based Schemes for Air Pollutants (King Climate Action Initiative)

2020: Experimental Evidence on the Impacts of Cash Transfers to Migrant Laborers During the COVID-19 Pandemic (Becker Friedman Institute)

2020: Experimental Evidence on the Impacts of Cash Transfers to Migrant Laborers During the COVID-19 Pandemic (Weiss Fund for Research in Development Economics)

2019: Direct Benefit Transfer of Electricity Subsidy in Punjab (Bill and Melinda Gates Foundation)

2018: Direct Benefit Transfer of Electricity Subsidy in Punjab (MIT, J-PAL Governance Initiative)

2018: Direct Benefit Transfer of Electricity Subsidy in Rajasthan (MCP Foundation)
 2017: Agricultural Electricity Subsidy Reform and Water Conservation (Gates Foundation)
 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)

INVITED
 AFFILIATIONS

Associate Editor, Environment and Development Economics.
 Research Affiliate, International Growth Centre.
 Fellow, Energy for Growth Hub.
 Research Affiliate, International Growth Centre.
 GRIHA Technical Advisory Committee (Behavioral Economics), 2015
 Steering Committee on air pollution, Ministry of Health, Government of India, 2015
 Technical Committee on Emissions Monitoring, Central Pollution Control Board, 2014

CURRENT
TEACHING

University of Chicago, Chicago, USA
Fall 2018-2019: Environment and Development
Spring 2019-2021: Energy in the Developing World

POPULAR
WRITING

Columns in print and online media including *Forbes*, *The Indian Express*, *The Hindustan Times*, *The Economic Times*, *Outlook Magazine*, *VoxDev*, *Vox.eu*, *Ideas for India*

LANGUAGES

English, Hindi. Also R, MATLAB, STATA, Python (basic), Mathematica (basic)