

Anant Sudarshan

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| 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 | ‘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.’ <i>India Policy Forum 2017</i> . (with Michael Greenstone, Santosh Harish, Rohini Pande). | | |
| | ‘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. *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 Impact of Temperature on Productivity and Labor Supply: Evidence from Indian Manufacturing. 2020. Conditionally Accepted. *Journal of Political Economy*. (with E. Somanathan, Rohini Somanathan, and Meenu Tewari)

Demand for Electricity on the Global Electrification Frontier. 2020. Under Review. (With Robin Burgess, Michael Greenstone, Nicholas Ryan).

Rationing the commons. 2020. Under Review. (With Nicholas Ryan)

ONGOING PROJECTS

Agricultural Electricity Subsidy Reform and Water Conservation. 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)

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)

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

Cool roofs in urban Indian slums. Co-PIs: Anna Agarwal, Michael Greenstone, Amir Jina, and Christina Seybolt (U.Chicago)

Low cost air pollution sensor networks. Co-PIs: Rohini Pande (Harvard), Lakshmi Subramanian and Shiva Iyer (NYU), Giudy Rusconi (Harvard)

RECENT GRANTS 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).

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 2019-2020: Energy in the Developing World

POPULAR
WRITING

Columnist for *Forbes Online*
Columnist for *The Indian Express*