Bio

Gireesh Shrimali is a Precourt Scholar at the Sustainable Finance Initiative at Stanford University. He is also a visiting scholar at the Energy Technologies Division at Lawrence Berkeley National Lab as well as at the Center for Climate Finance and Investment at Imperial College. Previously, he was the Director of Climate Policy Initiative’s India Program, and a Research Fellow at the Steyer-Taylor Center for Energy Policy and Finance at Stanford University. He has taught at the Middlebury Institute of International Studies, Monterey as well as the Indian School of Business, Hyderabad.

His current research focus is on renewable energy finance and policy; in general, on the catalytic role of finance in getting to the 2C climate target; and, in particular, on pathways for provision of low-cost, long-term capital for clean energy transition. His work has also included topics such as analysis of India’s renewable policies; the impact of federal and state policy on the development and deployment of renewable energy in the U.S.; and business models for off-grid energy in developing countries.

He holds a PhD from Stanford University, an MS from the University of Minnesota, Minneapolis, and a BTech from the Indian Institute of Technology, New Delhi. Prior to his academic/research career, he has over nine years of industry experience designing high-speed networking and computing systems.

ACADEMIC APPOINTMENTS

• Social Science Research Scholar, Precourt Institute for Energy

Publications

PUBLICATIONS

• A Payment Security Mechanism for Off-Taker Risk in Renewable Energy Projects in India JOURNAL OF STRUCTURED FINANCE
  Shrimali, G., Singh, V., Atal, V.
  2019; 25 (2): 87–99

• The perform, achieve and trade scheme in India: An effectiveness analysis RENEWABLE & SUSTAINABLE ENERGY REVIEWS
  Bhandari, D., Shrimali, G.
  2018; 81: 1286–95

• Renewable Energy in India: Solutions to the Financing Challenge Asian Visions
  Shrimali, G.
  2018

• The effectiveness of federal renewable policies in India RENEWABLE & SUSTAINABLE ENERGY REVIEWS
  Shrimali, G., Srinivasan, S., Goel, S., Nelson, D.
  2017; 70: 538-550
• Did accelerated depreciation result in lower generation efficiencies for wind plants in India: An empirical analysis ENERGY POLICY
  Shrimali, G., Pusarla, S., Trivedi, S.
  2017; 102: 154-163

• Data for development: The case for an Indian energy information administration ENERGY RESEARCH & SOCIAL SCIENCE
  Rai, V., Tongia, R., Shrimali, G., Abhyankar, N.
  2017; 25: 105–9

• India needs agency for energy data NATURE
  Tongia, R., Rai, V., Shrimali, G.
  2017; 541 (7635): 30

• Designing renewable energy auctions for India: Managing risks to maximize deployment and cost-effectiveness RENEWABLE ENERGY
  Shrimali, G., Konda, C., Farooquee, A.
  2016; 97: 656–70

• Cost-effective policies for reaching India's 2022 renewable targets RENEWABLE ENERGY
  Shrimali, G., Trivedi, S., Srinivasan, S., Goel, S., Nelson, D.
  2016; 93: 255-268

• Making renewable energy competitive in India: Reducing financing costs via a government-sponsored hedging facility ENERGY POLICY
  Farooquee, A., Shrimali, G.
  2016; 95: 518–28

• Forest cover increase in India: The role of policy and markets FOREST POLICY AND ECONOMICS
  Raghavan, R., Shrimali, G.
  2015; 61: 70–76

• Evaluating Renewable Portfolio Standards for In-State Renewable Deployment: Accounting for Policy Heterogeneity ECONOMICS OF ENERGY & ENVIRONMENTAL POLICY
  Shrimall, G., Chan, G., Jenner, S., Groba, F., Indvik, J.
  2015; 4 (2): 127–42

• Has India's Solar Mission increased the deployment of domestically produced solar modules? ENERGY POLICY
  Shrimali, G., Sahoo, A.
  2014; 69: 501-509

• 'Oorja' in India: Assessing a large-scale commercial distribution of advanced biomass stoves to households ENERGY FOR SUSTAINABLE DEVELOPMENT
  Thurber, M. C., Phadke, H., Nagavarapu, S., Shrimali, G., Zerriffi, H.
  2014; 19: 138–50

• The impact of state policy on deployment and cost of solar photovoltaic technology in the U.S.: A sector-specific empirical analysis RENEWABLE ENERGY
  Shrimali, G., Jenner, S.
  2013; 60: 679–90

• The effectiveness of domestic content criteria in India's Solar Mission ENERGY POLICY
  Sahoo, A., Shrimali, G.
  2013; 62: 1470-1480

• Renewable deployment in India: Financing costs and implications for policy ENERGY POLICY
  Shrimali, G., Nelson, D., Goel, S., Konda, C., Kumar, R.
  2013; 62: 28–43

• Renewable energy certificate markets in India-A review RENEWABLE & SUSTAINABLE ENERGY REVIEWS
  Shrimali, G., Tirumalachetty, S.
  2013; 26: 702–16

• Assessing the impact of the transition to Light Emitting Diodes based solar lighting systems in India ENERGY FOR SUSTAINABLE DEVELOPMENT
  Harish, S. M., Raghavan, S. V., Kandlikar, M., Shrimali, G.
  2013; 17 (4): 363–70
• Is disaggregation the holy grail of energy efficiency? The case of electricity  *ENERGY POLICY*
  Armel, K. C., Gupta, A., Shrimali, G., Albert, A.
  2013; 52: 213-234

• India's solar mission: A review  *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*
  Shrimali, G., Rohra, S.
  2012; 16 (8): 6317–32

• The impact of state financial incentives on market deployment of solar technology  *ENERGY POLICY*
  Sarzynski, A., Larrieu, J., Shrimali, G.
  2012; 46: 550–57

• Optimal Feed-in Tariff Schedules  *IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT*
  Shrimali, G., Baker, E.
  2012; 59 (2): 310–22

• Improved stoves in India: A study of sustainable business models  *ENERGY POLICY*
  Shrimali, G., Slaski, X., Thurber, M. C., Zerriffi, H.
  2011; 39 (12): 7543-7556

• Are government policies effective in promoting deployment of renewable electricity resources?  *ENERGY POLICY*
  Shrimali, G., Kniefel, J.
  2011; 39 (9): 4726–41

• Cooperative Interdomain Traffic Engineering Using Nash Bargaining and Decomposition  *IEEE-ACM TRANSACTIONS ON NETWORKING*
  Shrimali, G., Akella, A., Mutapcic, A.
  2010; 18 (2): 341–52

• Bill-and-Keep peering  *TELECOMMUNICATIONS POLICY*
  Shrimali, G., Kumar, S.
  2008; 32 (1): 19-32