

CHANDRA KIRAN KRISHNAMURTHY

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Position

Jan 2017- **Assistant Professor**, *Department of Forest Economics, SLU, Umeå*
Researcher, *The Beijer Institute for Ecological Economics*

Research Fields

Environmental and Resource Economics, Energy Economics, Climate Change Economics

Education

- 2011 COLUMBIA UNIVERSITY, SCHOOL OF INTERNATIONAL AND PUBLIC AFFAIRS
PHD SUSTAINABLE DEVELOPMENT
Committee: Geoffrey Heal, Wonghee Tim Huh, Bernard Salanie, Upmanu Lall, Wolfram Schlenker
- 2005 INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH(IGIDR)
M.Phil (Master of Philosophy), Economics
- 2001 B.E., Mechanical Engineering, Bangalore University

Recent Conferences and Workshops

- 2016: Inaugural Sustainable Development Research Conference, Columbia University, New York (April 1-2)
- 2018: Bergen Economics of Energy and the Environment. Conference, The Norwegian School of Economics, April 11-12, 2018; Workshop on “Present Energy Transitions: The multiple dimensions of energy scarcity and current risks” Holmen Fjordhotell, Oslo, Norway, April 23-25, 2018; World Conference on Environmental and Resource Economics, Thematic session: Perspectives on policies for the Anthropocene, Gothenburg, June 28, 2018.
- 2019: Ulvön (June 18-20); EAERE 2019, Manchester (June 26-29)

Invited Seminars (other than conferences)–Recent

- 2016 Amrita School of Business, Coimbatore (Jan 7-8)
- 2019 Chair of Resource Economics, ETH Zurich (April 12); SLU, Uppsala, Department of Economics (June 6)

Visiting Positions

- Visiting Researcher, Madras School of Economics (Chennai, India), Dec 2011-Jan 2012
- OECD, Environment and Economy Integration Division (Paris), August 21-30, 2013
- Dept. of Agricultural Economics, Purdue University, Jan 14-Feb 7, 2014
- Chair of Resource Economics, ETH Zurich, April 6-12, 2019

Research Grants

- 2015: 5.6 Million SEK for four-year research project *Global biophysical processes in climate-economics-modelling: Implications for economic measures* from the Ragnar Söderberg Foundation (with Gustav Enström and Johan Gars)

2017

(a) 2.026 Million SEK for a three-year research project *Consumer choice and network tariff under a natural monopoly: An empirical exploration for the Swedish electricity market* from the Handelsbankens Forskningsfonder (with Runar Brännlund, PI, and Mattias Vesterberg)

(b) 3.83 Million SEK for a three-year research project *Pricing and demand flexibility in a system dominated by renewable electricity production* from the Swedish Energy Agency (Energimyndigheten) (with Runar Brännlund, PI, and Mattias Vesterberg)

Professional Activities

Advising Co-advisor: Mattias and Anders Vesterberg (PhD-USBE, Umeå University); Xiao Hu, Department of Forest Economics, SLU Umeå (2018 September-).

Occasional Journal Referee The Energy Journal, Energy Policy, Resources and Energy Economics, Journal of the American Environmental and Resource Economics (JAERE), Journal of Environmental Economics and Management (JEEM), American Journal of Agricultural Economics (AJAE), Energy Economics, Ecological Economics, Annals of Operations Research, Naval Research Logistics, Climatic Change, Nonlinear Processes in Geophysics, Journal of Climate.

Member, Program Committee, **EAERE** Referee for Annual Conference Articles, 2012-

Organizer **Stockholm Environmental and Resource Economics**, 2016

(<http://www.beijer.kva.se/sida.php?id=79>)

Co-organizer *Thematic session: Perspectives on policies for the Anthropocene*. World Conference on Environmental and Resource Economics (WCERE), 2018, Gothenburg University, Gothenburg, June 28, 2018.

Publications

1. Real-time pricing revisited: Demand flexibility in the presence of micro-generation (with Mattias Vesterberg, Rauli Svento, Herman Böök, Anders Lindfors). *Energy Policy* (2018). 123, 642-658. [[WP version](#)]
2. Optimal Management of Groundwater under Uncertainty: A Unified Approach. *Environmental and Resource Economics*(2017). 67(2), 351-77. [[Print version](#)] [[PDF-WP version](#)]
3. Residential End use electricity demand and the implications for real time pricing in Sweden (with Mattias Vesterberg). *The Energy Journal* (2016). 37(4), 141-64. [[PDF-Print version](#)] [[PDF-WP version](#)]
4. Residential Electricity Demand: A cross-country analysis for 11 OECD-countries (with Bengt Kriström). *Resource and Energy Economics* (2015). 39, 68-88. [[Print version](#)] [[PDF-WP version](#)]
5. Determinants of the price-premium for Green Energy: Evidence from an OECD cross-section (with Bengt Kriström). *Environmental and Resource Economics* (2015). 64(2), 173-204. [[Print version](#)] [[PDF-WP version](#)]
6. How large is the Owner-Renter Divide? Evidence from an OECD cross-section (with Bengt Kriström). *The Energy Journal* (2015). 36(4), 63-82. [[Print version](#)] [[PDF-WP version](#)]
7. Space-time Structure of Extreme Precipitation in Europe over the last Century (with Francesco Cioffi, Upmanu Lall and Ester Rus), *International Journal of Climatology* [[Advance PDF](#)]
8. Concavity and monotonicity properties in a groundwater management model (with Tim Huh and Richard Weber), *Naval Research Logistics* (NRL) 58, no. 7 (2011): 670-675. [[PDF](#)]
9. Changing Frequency and Intensity of Rainfall Extremes over India from 1951-2003 (with Upmanu Lall and Hyun-Han Kwon), 2009, *Journal of Climate*, 4737-4746, 22, 18 [[PDF](#)]
10. (Invited) Economic Impact of Carbon Emission Restrictions: The Case of India (with Jyothi Parikh), in *Energy Security, Climate Change and Sustainable Development*, Mathur et al (editors), Anamaya Publishers, New Delhi, 2007

Under Review

1. PARKING, TRANSIT AND WELFARE: EVIDENCE FROM SFPARK (with Nicole Ngo)
(CERE Working Paper 2018-06; Revised March 2019) [[Link](#)]
2. MANAGING WATER: RIGHTS, MARKETS, AND WELFARE (with Andrew Zaeske)
(CERE Working Paper 2017-02; Version March 2017) [[PDF](#)]
3. AN ECOLOGICAL GOLDEN RULE (with Ram Fishman, Tel Aviv University)
(Beijer Discussion Paper Series No. 259) [[PDF](#)]
4. DYNAMIC PRICING OF ELECTRICITY: SOME IMPLICATIONS FOR SWEDISH HOUSEHOLDS (with Mattias Vesterberg and Amin Karimu)
(CERE Working Paper 2019-04; Version March 2019) [[PDF](#)]

Reports

1. Intermittency and Pricing Flexibility in Electricity Markets (with Jurate Jaraite et. al.)
(CERE Working Paper 2019:5) [[Link](#)]
2. GREENING HOUSEHOLD BEHAVIOR AND ENERGY (with Bengt Kriström)
(OECD Environment Working Papers No. 78) [[Link](#)]

Working Papers

1. THE DISTRIBUTIONAL IMPACTS OF CLIMATE CHANGE ON INDIAN AGRICULTURE: A QUANTILE REGRESSION APPROACH
(MSE Working Paper 69/2012)[[PDF](#)]
2. DISTRIBUTIONAL IMPACTS OF ENERGY POLICIES: AN ANALYSIS OF THE 2011 EPIC DATA
(Beijer Discussion Paper Series No. 252) [[PDF](#)]

Work in progress

1. THE EFFECTS OF UNCERTAINTY ON ADAPTATION AND MITIGATION POLICY: AN EXPLORATION USING AD-DICE2009 (with Kelly Debruin and Anders Vesterberg)
2. ELECTRICITY MARKET DYNAMICS WITH INTERMITTENT SUPPLY AND STORAGE (with Akshay Shanker and David Stern)
3. RESOURCE MANAGEMENT, PRESENT BIAS, AND REGIME SHIFTS (with Maria Arvaniti and Anne-Sophie Crepin)

Last Updated: July 4, 2019