CHANDRA KIRAN KRISHNAMURTHY

Dept. of Forest Economics, Swedish Agricultural University (SLU), Umeå
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Position

Sep 2020-	**Senior Lecturer**, *Department of Forest Economics*, SLU, Umeå
Jan 2017-Aug 2020	Assistant Professor (Biträdadnelektor), *Department of Forest Economics*, SLU, Umeå
Aug 2014-Dec 2016	Researcher, The Beijer Institute for Ecological Economics, and Senior Lecturer (Adjunct) Umeå School of Business and Economics, Umeå University
Aug 2011-July 2014	Browaldh Post-Doctoral Fellow, Center for Environmental and Resource Economics (CERE) & Senior Lecturer (adjunct), Umeå School of Business and Economics, Umeå University

Research Fields

Environmental and Resource Economics, Energy Economics

Education

- 2011: PhD, Columbia University, School of International and Public Affairs, New York, NY

Recent Conferences, Workshops, Research visits and invited talks

- 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)
- 2019: Chair of Resource Economics, ETH Zurich (April 12); SLU, Uppsala, Department of Economics (June 6); Future Electricity Markets Summit; November 18-20, Sydney, Australia

Teaching Experience

Umeå University (Advanced level)–all 7.5 credits

Microeconomics I: : Spring 2012, 2013
Environmental Economics and Policy : Autumn 2012, 2013, 2014, Spring 2017, Autumn 2017-2022
Natural Resource Economics : Autumn 2020, 2021,2022
Econometrics I : Autumn 2015, 2016 / **Econometrics II**: Spring 2014, Spring 2016

SLU Umeå

Forest Industry Supply Strategy SLU Umeå, Autumn 2017, Autumn 2018-2022
Behavioural Environmental Economics Lecturer, PhD level course and workshop, Spring 2018, 2019, 2021.
Forest Economic Analyses Autumn 2018, 2019, 2020, 2021,2022

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)
- 2021
  - 4.45 Million SEK for a three-year research project *The Bonus-Malus policy for private automobiles: how large are the CO_2 reductions?* from the `Swedish Environmental Protection Agency` (with Rob Hart, PI, and Tingmingke Lu)

Professional Activities

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

Occassional 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.

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

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.

Most Recent Publications

1. Unlocking the unsustainable rice-wheat system of Indian Punjab: Assessing alternatives to crop-residue burning from a systems perspective ?(Andrea Downing et al) *Ecological Economics* (2022). Forthcoming.
2. Understanding Hourly Electricity Demand: Implications for Load, Welfare, and Emissions (with Mattias Vesterberg and Amin Karimu) *The Energy Journal* (2022). 43(1), 119-147. [Publisher Page]
3. A dynamic bio-economic model of pollination under climate change: An application to oil rapeseed production in the Stockholm region (with Gustav Engström, Åsa Gren, Chuan-Zhong Li). *Spatial Economic Analysis*(2020). 15:3, 238-261, DOI: 10.1080/17421772.2020.1784988.
4. An Ecological Golden Rule (with Ram Fishman, Tel Aviv University) *Resource and Energy Economics*(2021). 64, 10129. [Publisher Page]
5. A carbon tax with planetary boundaries (with Gustav Engström et al) *Nature Communications*(2020). 11, 4688, https://doi.org/10.1038/s41467-020-18342-7 [Publisher Page]
6. The effects of smart-parking on transit and traffic: Evidence from SFpark (with Nicole Ngo) *Journal of Environmental Economics and Management* (2020). 99, 102273
7. 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.

Under Review

1. Do ride-hailing services worsen freeway congestion and air quality? Evidence from Uber in California (with Nicole Ngo) (CERE Working Paper 2022-01) [PDF]
2. Time-consistent resource management with regime shifts (with Maria Arvaniti and Anne-Sophie Crépin) (CER-ETH Working Paper 19/329)[PDF]
3. MANAGING WATER: RIGHTS, MARKETS, AND WELFARE (with Andrew Zaeske) (CERE Working Paper 2017-02; Version March 2017) [PDF]

Commissioned Research Reports

1. Intermittency and Pricing Flexibility in Electricity Markets (with Jurate Jaraite et. al.) (EFORIS report 2019:588) [Link]
2. Economy-wide analysis of Swedish nuclear power and electricity certificates (with Bengt Kriström et. al.) [(EFORIS report]

3. GREENING HOUSEHOLD BEHAVIOR AND ENERGY (with Bengt Kriström) (OECD Environment Working Papers No. 78) [Link]