

# Luoye Chen

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## ACADEMIC POSITIONS

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**Assistant Professor** 2022-  
Innovation, Policy, and Entrepreneurship Thrust, Society Hub  
Hong Kong University of Science and Technology (Guangzhou)

## EDUCATION

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**University of Illinois at Urbana-Champaign** *Ph.D. in Applied Economics* 2022  
**Peking University** *Master in Economics* 2016  
**Peking University** *Bachelor in Management* 2014  
**Peking University** *Bachelor in Economics (Minor)* 2014

## WORKING PAPERS

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- Luoye Chen and Madhu Khanna, “Weather Shocks, Economic Triggers, and Cropland Change in the US: A Fine-scale Spatial Analysis”
- Luoye Chen and Madhu Khanna, “Known and Unknown: Uncertainty in Estimating Land use Change from Satellite Data”
- Luoye Chen and Madhu Khanna, “Heterogeneous Effects of a Changing Climate on Bird Biodiversity and Adaptability” (*Under Review*).
- Xiaoguang Chen, Luoye Chen, Wei Xie, Nathan Mueller, Steven Davis, “Air Pollution and Flight Delays in China” *Forthcoming, Journal of Environmental Economics and Management*. (senior authorship is jointly shared by Xiaoguang Chen, Luoye Chen, and Wei Xie)

## PEER-REVIEWED PUBLICATIONS

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- **Luoye Chen**, Elena Blanc-Betes, Tara W. Hudiburg, Daniel Hellerstein, Steven Wallander, Evan H. DeLucia, Madhu Khanna, 2021. “Assessing the Returns to Land and Greenhouse Gas Savings from Producing Energy Crops on Conservation Reserve Program Land.” *Environmental Science & Technology*.
- **Luoye Chen**, Deepayan Debnath, Jia Zhong, Kelsie Ferin, Andy VanLoocke, and Madhu Khanna, 2021. “The Economic and Environmental Costs and Benefits of the Renewable Fuel Standard.” *Environmental Research Letters*.
- Kelsie M. Ferin, **Luoye Chen**, Jia Zhong, Sarah Acquah, Emily A. Heaton, Madhu Khanna, and Andy VanLoocke, 2021. “Water Quality Effects of Economically Viable Land Use Change in the Mississippi River Basin under the Renewable Fuel Standard.” *Environmental Science & Technology*.
- Madhu Khanna, **Luoye Chen**, Bruno Basso, Ximing Cai, John Field, Kaiyu Guan, Chongya Jiang, Tyler Lark, Tom Richard, Seth Spawn-Lee, Peng Yang, 2021. “Redefining Marginal Land for Bioenergy Crop Production.” *GCB Bioenergy*.
- Chongya Jiang, Kaiyu Guan, Madhu Khanna, **Luoye Chen**, Jian Peng, 2021. “Assessing Marginal Land Availability Based on Land Use Change Information in the Contiguous United States.” *Environmental Science & Technology*.
- Shengxiao Li, **Luoye Chen**, Pengjun Zhao, 2019. “The Impact of Metro Services on Housing Prices: a Case Study from Beijing.” *Transportation*.

## SELECTED PRESENTATIONS AND SEMINARS

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- “Weather Shocks and Economic Triggers of Cropland Change in the US: A Fine-scale Spatial Analysis”

Feb 2022, Virginia Tech, Department of Agricultural and Applied Economics.

Feb 2022, Hong Kong University of Science and Technology (Guangzhou), IPE Thrust, Society Hub.

Jan 2022, University of Tennessee (Knoxville), Department of Agricultural and Resource Economics.

Jan 2022, University of Wisconsin-Madison, Department of Applied and Agricultural Economics.

Dec 2021, Jinan University, Institute for Economic and Social Research (IESR).

Aug 2021, Agricultural and Applied Economics Association (**AAEA**) annual meeting, Austin.

Jun 2021, Association of Environmental and Resource Economics (**AERE**) annual meeting (virtual).

Jan 2021, American Economic Association (**AEA**) annual meeting (virtual).

Nov 2020, American Geophysical Union (**AGU**) annual meeting (virtual).

- “Fowl Climate: Assessing the Heterogeneous Impact of Climate Change on Bird Biodiversity in United States”

22nd international Biodiversity and Economics for Conservation Conference (**BIOECON XXII**), Wyoming, Sep 2021.

**AERE** annual meeting, Lake Tahoe, Jun 2019.

**AAEA** annual meeting, Poster Presentation, Washington DC, Aug 2018.

## SERVICE

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Reviewer: Research in Transportation Economics, Environmental Research Letters

Abstract Reviewer: Agricultural and Applied Economics Association (AAEA) Annual Meeting (2022)

## TEACHING

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**ACE MS/MAAE Students Summer Math Workshop**, UIUC

Instructor with full responsibility (Graduate module, 2021)

**ACE 592: Data Science for Applied Economics**, UIUC

Guest Speaker (Graduate module, 2021)

**ACE 261: Applied Statistical Methods**, UIUC

Teaching Assistant (Undergraduate module, 2020)