

## Chen (Charlie) FANG

---

Haidian District, Beijing, 100084, China • fangc23@mails.tsinghua.edu.cn • <https://charlie-pku.github.io/>

### EDUCATION

#### Tsinghua University

Beijing, China

**Ph.D. Student, Economics**, School of Economics and Management (SEM)

2023 - 2028 (Expected)

#### Peking University

Beijing, China

**B.S., Environmental Sciences**, College of Environmental Sciences and Engineering (CESE)

2019 - 2023

**B.A., Economics (Double Degree)**, National School of Development (NSD)

2021 - 2023

### RESEARCH INTEREST

Climate Change and Environment Economics, Development Economics, Computable General Equilibrium (CGE) Model

### SELECTED PUBLICATIONS

- “Negative emission technology is key to decarbonizing China’s cement industry” with Ming Ren, Teng Ma, Xiaorui Liu, Chaoyi Guo, Silu Zhang, Ziqiao Zhou, Yanlei Zhu, Hancheng Dai and Chen Huang. **Applied Energy** (2023), 329, 120254.
- “Global land-use and sustainability implications of enhanced bioenergy import of China” with Yazhen Wu, Andre Deppermann, Petr Havlík, Stefan Frank, Ming Ren, Hao Zhao, Lin Ma, Qi Chen, Hancheng Dai. **Applied Energy** (2023), 336, 120769.
- “Enhanced food system efficiency is the key to China’s 2060 carbon neutrality target” with Ming Ren, Chen Huang, Yazhen Wu, Andre Deppermann, Stefan Frank, Petr Havlík, Yuyao Zhu, Xiaotian Ma, Yong Liu, Hao Zhao, Jinfeng Chang, Lin Ma, Zhaohai Bai, Shasha Xu and Hancheng Dai. **Nature Food** (2023), 1-13.

### WORKING PAPERS

- “Determinants of Refugees’ Return” with Marguerite Duponchel, Erwin Knippenberg and Daniel Kryger
- “Down the Drain? The Impact of Wastewater Treatment Plants on Residential Property Values” with Tingwei Gao and Yana Jin
- “An Integrated Assessment of Provincial Economic Damages from Climate Change in China” with Hantang Peng, Tianpeng Wang, Da Zhang and Xiliang Zhang
- “From Flameout to Reignition: How Policy Retractions Breed Hesitation and Hinder Revival” with Tingyu Cui and Yushuai Zhang

### SEMINARS AND CONFERENCES

- 12<sup>th</sup> International Conference on Information Technology and Quantitative Management (ITQM) 2025, Online
- 2025 Peking-Tsinghua-Waseda Forum on Macroeconomics for Ph.D. Students 2025, Online
- 3<sup>rd</sup> Annual Conference of Chinese Association of Environmental and Resource Economists 2024, Hangzhou, CHN

### TEACHING EXPERIENCE

- Green Transition in Industry (EMBA, TA for Prof. Jing Cao) 2025-Autumn
- Environmental and Resources Economics (taught in English) (Undergraduate, TA for Prof. Jing Cao) 2025-Autumn
- The Situated Decision Maker (taught in English) (Ph.D., TA for Prof. Soo Hong Chew) 2025-Autumn
- Intermediate Economics (taught in English) (Undergraduate, TA for Prof. Tianshi Mu) 2024-Autumn
- Managerial Economics (MBA, TA for Prof. Mingzhi Li) 2024-Autumn
- Principles of Economics (2) (Undergraduate, TA for Prof. Feng Dong) 2024-Spring
- Principles of Economics (1) (Undergraduate, TA for Prof. Xiaohan Zhong and Yingyi Qian) 2023-Autumn
- Intermediate Microeconomics (Undergraduate, TA for Prof. Huayu Xu) 2023-Spring

### WORKING EXPERIENCE

- Economist Intern, Development Unit, UNHCR Jordan Office (Amman, Jordan) Mar. 2025 - now
- Green Finance Intern, Institute of Finance and Sustainability (Beijing, China) Jun. 2022 - Oct. 2022

### RESEARCH EXPERIENCE

- “The Economic Impact of Carbon Peak and Neutrality in China and China’s Green and Low-carbon Transition”, Institute of Energy, Environment and Economy, THU (PI: Da Zhang and Xiliang Zhang) Aug. 2021 - now
- “The Economics Analysis of Verified Carbon Standard (VCS)”, National School of Development, PKU (PI: Cong Peng, Xianling Long and Shilei Liu) Jan. 2023 - Aug. 2023
- “Update the report *Applying the Growth Identification and Facilitation Framework to Nepal (UN CDP Background Paper No. 35)*”, Institute of New Structural Economics, PKU (PI: Jiajun Xu) Jul. 2022 - Sep. 2022

### FIELD STUDY

- “Xinxinxiangyin” Social Practice in Xiangxiang County, Hunan Province Jan. 2025
- the First Sino-German Climate Study Camp (“Climate x” Summer School) provided by GAUC Sep. 2024
- “Tongxinqianxing” Social Practice in Sinan County, Guizhou Province Jul. 2024
- “Balingyanxing” Social Practice in Yueyang City, Hunan Province Jan. 2024

- Voluntary Teaching Program in Dengfeng County, Henan Province provided by TECC Jul. 2023
- Guidance Counselor of Peking University Freshman Training Camp Aug. 2022 - Sep. 2022
- The 6th Model Climate Change Conference of Parties (MCCCOP6) in Tsinghua University Sep. 2021

## SKILLS

**Language** Chinese (Native), English (Fluent), Arabic (Beginner)

**Programming** Python, R, STATA, QGIS, GAMS, L<sup>A</sup>T<sub>E</sub>X

## REFEREES

### JING CAO

Tenured Associate Professor  
Department of Economics  
Tsinghua University  
caojing@sem.tsinghua.edu.cn

### MUN SING HO

Economist  
Harvard-China Project & Resources for Future  
Harvard University  
munho@seas.harvard.edu

### MARGUERITE DUPONCHEL

Senior Development Officer  
UNHCR  
duponche@unhcr.org

### ERWIN KNIPPENBERG

Young Professional & Economist  
World Bank  
eknippenberg@worldbank.org

**Last Updated:** September 19, 2025