

HAOYU WANG

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EDUCATION

Virginia Polytechnic Institute and State University, Ph.D., Economics, May 2022 (expected)

Virginia Polytechnic Institute and State University, M.S., Forestry, 2021

Virginia Polytechnic Institute and State University, M.A., Economics, 2018

Peking University, B.A., Economics, 2017

Peking University, B.S., Environmental Management, 2017

FIELDS OF INTEREST

Microeconomic Theory, Resource and Environmental Economics.

Dissertation Title: Essays in Game Theory and Forest Economics

Dissertation Committee: Eric Bahel (*Co-Chair*), Gregory Amacher(*Co-Chair*), Sudipta Sarangi, Shaowen Luo

WORKING PAPERS

[1] *The Social Cost of Fiscal Federalism and the Depletion of China's Native Forests* [**Job Market Paper**] (with Gregory Amacher and Jintao Xu)

Under review at *Journal of Economics Behavior and Organization*

[2] *Essentiality of Degree r in Cooperative Games with Transferable Utility*

1st round Revise and Resubmit at *Mathematical Social Sciences*

WORK IN PROGRESS

[3] *Uncertainty Aversion and Stochastic Amenities in a Forestry Rotation Problem* (with Gregory Amacher)

[4] *Forest Transition and Ecosystem Collapse* (with Gregory Amacher, Kelly Cobourn and Philippe Delacote)

[5] *Semiconvex and Anticonvex Cooperative Games with Transferable Utility* (with Eric Bahel and Christian Trudeau)

TEACHING AND RESEARCH EXPERIENCE

- *Instructor:* Principles of Economics, Virginia Tech, Spring 2021

- *Teaching Assistant:*

Microeconomic Theory, Virginia Tech, Fall 2021

Intermediate Microeconomics, Virginia Tech, Fall 2021

Strategic Behavior, Virginia Tech, Fall 2019/Fall 2020

Advanced Microeconomics Topics, Virginia Tech, Spring 2020

Game Theory, Virginia Tech, Fall 2019/Spring 2020/Fall 2020

Labor Economics, Virginia Tech, Spring 2018

Economics of China, Virginia Tech, Fall 2017/Fall 2018

Environmental Economics, Peking University, Spring 2016

- *Research Assistant:*

Decision making experiment on Mturk, Virginia Tech, Spring 2019

Rice farming data in China, Virginia Tech, Summer 2018

FELLOWSHIPS AND AWARDS

- Best Presenter Award, Virginia Tech, 2021
- Best Third-year Paper Award, Virginia Tech, 2020
- Rising Scholar Research Award, Virginia Tech, 2019
- Chinese Economy Research Fellowship, Peking University, 2017
- Feng Shenjun Fellowship, Peking University, 2016
- Li Yanhong Fellowship, Peking University, 2014

CONFERENCE ACTIVITIES

Presenter:

- Essentiality of degree r in cooperative games with transferable utility, International Conference on Social Choice and Voting Theory, June 2021
- Essentiality of degree r in cooperative games with transferable utility, Virginia Association of Economists 48th annual meeting, April 2021

Discussant:

- Virginia Association of Economists 48th annual meeting, April 2021

Organization:

- International Conference on Social Choice and Voting Theory (Student Usher) June 2021

COMPUTER SKILLS

Python, SQL, Mathematica, MATLAB, R, Excel, STATA, Latex, C, C++

LANGUAGE

English, Chinese

CITIZENSHIP/ VISA

China/F1 Visa

REFERENCES

Dr. Eric Bahel Associate Professor, Department of Economics, Virginia Tech, Email: erbahel@vt.edu

Dr. Gregory Amacher Professor, Department of Forest Resources and Environmental Conservation, Virginia Tech, Email: gamacher@vt.edu

Dr. Sudipta Sarangi Professor, Department of Economics, Virginia Tech, Email: ssarangi@vt.edu