William Phan

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Employment

Associate Professor (with tenure), North Carolina State University, Aug 2026-.
Assistant Professor, North Carolina State University, 2024-2026.
Associate Research Professor, North Carolina State University, 2023-2024.
Assistant Research Professor, North Carolina State University, 2017-2023.
Postdoctoral Fellow, University of Helsinki, 2015-2017.

Education

University of Rochester, USA
- Ph.D., Economics, 2015.
- M.A., Economics, 2011.

University of California, San Diego, USA
- B.S., Honors with Highest Distinction, Economics: Management Science, 2008.

Research Fields

Microeconomic Theory, Market Design, Matching Theory, Resource Allocation

Working Papers

1. School Finance, Peers, and Choice, with Ryan Tierney and Yu Zhou.
2. Equal Opportunity in School Choice Lotteries, with Açelya Altuntaş, and Yuki Tamura (Submitted).
3. Hajj Quota Allocation as a Market Design Problem, with Abdullah Almeer, Umut Dur, and Sinan Ertemel.

Publications

1. Crowding in School Choice, with Ryan Tierney and Yu Zhou, *American Economic Review* 114(8), 2024.

2. Partitionable Choice Functions and Stability, with Umut Dur and Thayer Morrill, *Social Choice and Welfare* 63, 2024.

3. Increasing the Representation of a Targeted Group in a Reserve System, with Abdullah Almeer, Umut Dur, Will Harris, Greg Hauser, and Yanning Zhang, *Mathematical Social Sciences* 129, 2024.

4. Some Characterizations of Generalized Top Trading Cycles, with Açelya Altuntaş and Yuki Tamura, *Games and Economic Behavior* 141, 2023.

5. The Parameterized Complexity of Manipulating Top Trading Cycles, with Christopher Purcell, *Autonomous Agents and Multi-Agent Systems* 36, 2022.

6. Trading Probabilities Along Cycles, with Açelya Altuntaş, *Journal of Mathematical Economics* 100, 2022.

7. Efficient Mixtures of Priority Rules For Assigning Objects, with Patrick Harless, *Games and Economic Behavior* 132, 2022.

8. Family Ties: School Assignment with Siblings, with Umut Dur & Thayer Morrill, *Theoretical Economics* 17(1), 2022.

9. On Endowments and Indivisibility: Partial Ownership in the Shapley-Scarf Model, with Patrick Harless, *Economic Theory* 70(2), 2020.

10. Efficient and Incentive Compatible Exchange of Real-Time Information, *International Journal of Game Theory* 48(1), 2019.

Talks & Conference Presentations

2026: University of Turku. Mechanism Design Without Transfers, Hausdorff Research Institute for Mathematics, University of Bonn. Conference on Mechanism and Institution Design, University of York. University of California, Berkeley.
2025: 2nd Triangle Theory Workshop, NC State.
2024: Workshop on Collective Decisions and Economic Design, University of Alicante. Conference on Mechanism and Institution Design, Corvinus University of Budapest. Rutgers University. University of Windsor. University of Montreal. Concordia University.
2023: Lisbon Meetings in Game Theory and Applications #12, University of Lisbon. Conference on Economic Design, University of Girona. 18th European Meeting on Game Theory, University

of Messina. Ottawa Microeconomic Theory Workshop, University of Ottawa. From Matchings to Markets, Centre International de Rencontres Mathématiques.
2022: NC State Equity Research Symposium. Southern Economic Association, Fort Lauderdale.
2021: University of Rochester. Middle East Technical University. University of Arizona, FC Talks. Deakin University. Society for the Advancement of Economic Theory, Seoul. GAMES 2020, Budapest.
2019: University of Southern Denmark. 15th European Meeting on Game Theory, University of Turku. East Carolina University. Southern Economic Association, Fort Lauderdale.
2018: INFORMS, Phoenix. Ottawa Microeconomic Theory Workshop, University of Ottawa. University of North Carolina, Chapel Hill (Workshop). Social Choice and Welfare, Seoul.
2017: North Carolina State University. Finnish Economic Association, University of Jyväskylä.
2016: University of Turku / Åbo Akademi University. GAMES, Maastricht University. Social Choice and Welfare, Lund University.
2015: Lund University. Workshop on Game Theory and Social Choice, Corvinus University of Budapest. Conference on Economic Design, Bilgi University.
2014: International Workshop of the Game Theory Society, University of São Paulo. Social Choice and Welfare, Boston University.
2013: Osaka Rochester Theory Workshop, University of Rochester. Conference on Economic Design, Lund University. 24th International Conference on Game Theory, Stony Brook University.

Teaching Experience

North Carolina State University
PhD Advanced Microeconomic Theory (ECG708; SPR2026)
MA/PhD Mathematical Methods for Economists (ECG765; FA2019, FA2020, FA2021, FA2022, FA2023, FA2024, FA2025).
MA Fundamentals of Microeconomics (ECG700; FA2017, FA2018, FA2019).
Undergraduate Industrial Organization (EC413; SPR2018, SPR2019, SPR2020, FA2020, SPR2021, SPR2022, SPR2023).
Undergraduate Research Seminar in Economics (EC490; SPR2021, FA2021, SPR2022, FA2022, SPR2023, FA2023, SPR2024, FA2024, SPR2025, FA2025).

University of Helsinki
MA Advanced Microeconomic Theory: Decisions & Markets (FA2015, FA2016).

Fellowships, Scholarships, and Awards

Dean's Scholar, Poole College of Management, 2026-2031

Research Leadership Award, Department of Economics, NC State, 2025.
Summer Research Program Award, Poole College of Management, 2025.
AI Mini Grant, Poole College of Management, 2024.
Summer Research Program Award, Poole College of Management, 2024.
Research Leadership Award, Department of Economics, NC State, 2022.
Best Paper Award (in Microeconomic Theory), Centre for Development Economics Delhi School of Economics and the Econometric Society, Delhi Winter School 2021.
Graduate Fellowship and Tuition Scholarship, University of Rochester, 2009-2014.

Professional Service

Referee for: *American Economic Review*, *Economics Letters*, *Economics and Philosophy*, *Games and Economic Behavior*, *Journal of Combinatorial Optimization*, *Journal of Economic Behavior and Organization*, *Journal of Economic Theory*, *Journal of Mathematical Economics*, *Management Science*, *Mathematical Social Sciences*, *Review of Economic Design*, *Social Choice and Welfare*, and *Theoretical Economics*.

Languages

English (Native), Vietnamese (Conversational).