

Department of Laws, Regulations and Factor Markets
Halle Institute for Economic Research (IWH)

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Academic Positions

Assistant Professor (Junior professor) of Finance and Labor, Friedrich Schiller University Jena, 2026-present.

Economist, Department of Laws, Regulations and Factor Markets, Halle Institute for Economic Research (IWH), 2026-present.

Visiting Researcher, Department of Economics, The Ohio State University, 2026-present.

Postdoctoral Fellow, Department of Economics, The Ohio State University, 2025-2026.

Postdoctoral Fellow, Digital, Data, and Design (D³) Institute, Harvard Business School, 2024-2025.

Education

Ph.D. in Applied Economics and Management, Cornell University, 2024.

Committee: Nathan Yang*, Jura Liaukonyte*, Chris Forman.

M.Sc. in Agricultural and Resource Economics, University of California at Davis, 2018.

M.Sc. in Transportation Technology and Policy, University of California at Davis, 2015.

B.Sc. in Electrical Engineering, Control Engineering, University of Tehran, 2010.

Research Interests

Innovation, Economics of Digitization and AI, AI and Labor Markets, Technology Management, Firm Strategy, Empirical IO

Publications

A Comment on “The Heterogeneous Tax Pass-Through Under Different Vertical Relationships” by Bajo-Buenestado and Borrella-Mas

with Ismail El Fassi. *Conditionally accepted, The Economic Journal.*

Working Papers

What Is Accumulated AI Innovation Worth? Selection versus Learning in AI Patenting

Displacement or Complementarity? The Labor Market Impact of Generative AI

with Wilbur Chen and Suraj Srinivasan. Harvard Business School Working Paper 25-039.

AI Beyond the Frontier: The Value of Downstream AI Innovation

with Wilbur Chen, Terrence Shi, and Suraj Srinivasan

The Economic Benefits of Modular Innovation

with Vithala Rao and Nathan Yang

Using Quantum Game Theory to Model Competition

with Vithala Rao and Nathan Yang

Works in Progress

Modularity and the Market for Technology: Evidence from Patent Licensing

with Nathan Yang

Two Hours or Two Days? Impact of Faster Delivery Service on Online Shopping

with Jura Liaukonyte

Climate Change Policy: Dynamics, Strategy, and the Kyoto Protocol

with C.-Y. Cynthia Lin-Lawell

Other Publications

Modeling the Impacts of Deep Decarbonization in California and the Western US: Focus on the Transportation and Electricity Sectors

with Chris Yang and Sonia Yeh, *Limiting Global Warming to Well Below 2° C: Energy System Modelling and Policy Development*, 2018, 245-259.

Achieving California's 80% Greenhouse Gas Reduction Target in 2050: Technology, Policy, and Scenario Analysis Using CA-TIMES Energy Economic Systems Model

with David McCollum, Kalai Ramea, Chris Yang, Sonia Yeh, *Energy Policy*, 2015, 77, 118-130.

Mitigating Climate Change: Decomposing the Relative Roles of Energy Conservation, Technological Change, and Structural Shift

with Gouri Mishra, Geoff Morrison, Jacob Teter, Sonia Yeh, *Energy Economics*, 2014, 44, 448-455.

A Bi-Objective Stochastic Optimization Model for Reliable Warehouse Network Redesign

with Jafar Razmi, AmirHossein Zahedi-Anaraki, *Mathematical and Computer Modelling*, 2013, 58(11-12), 1804-1813.

Conferences and Workshops

2026 Selected Presenter, MaCCI Annual Conference, ZEW Mannheim.

Selected Presenter, European Association of Young Economists (EAYE) Annual Meeting, University of the Basque Country, Bilbao.

Selected Presenter, Western Economic Association International, 101st Annual Conference (CSWEP session).

Selected Presenter, 3rd Cornell Economics Alumni Workshop (scheduled).

Seminar, Halle Institute for Economic Research (IWH).

Selected Presenter, 53rd EARIE Annual Conference, University of Mannheim (scheduled).

2025 Selected Presenter, AMCIS 2025.

Selected Presenter, 24th ZEW Conference on the Economics of Information and Communication Technologies.

Selected Presenter, Hawaii Accounting Research Conference.

2023 Selected Participant, 4th Corporate Strategy and Innovation Conference.

Selected Participant, Strategic Management Society Junior Scholar Workshop.

Selected Participant, Academy of Management TIM Doctoral Research Development Workshop.

2022 Brown Bag Seminar (University of Texas, Houston).

Selected Participant, NBER Privacy Tutorial.

2021 Selected Participant, NBER Doctoral Student Workshop on Economics of Artificial Intelligence.

2020 Selected Participant, Berkeley/Sloan Summer School in Environmental and Energy Economics, University of California, Berkeley.

Interdisciplinary Ph.D. Workshop in Sustainable Development (IPWSD 2020, Columbia University).

2019 Selected Participant, Econometric Society Summer School in Dynamic Structural Econometrics, University of Chicago.

Northeast Workshop on Energy Policy and Environmental Economics (Harvard University).

2017 Stanford Institute for Theoretical Economics New Thinking about Economic Challenges in the Design and Implementation of Programs to Stabilize the Climate (SITE 2017, Stanford),

Western Economic Association International Annual Conference, Association of Environmental and Resource Economists (WEAI 2017, San Diego).

Honors & Awards

Summer Research Fellowship, Cornell University, 2019, 2022, 2023.

Outstanding Graduate Teaching Assistant Award, Cornell University, 2022.

Research Experience

Graduate Research Associate, Cornell University, Ithaca, NY, 2018-2024.

Research Assistant, UC-Davis Institute of Transportation Studies, Davis, CA, 2012-2018.

Teaching Experience

Summer 2026, “The Economics of AI”, Instructor of Record, Friedrich Schiller University Jena.

Fall 2023, “Leadership and Management in Sports”, Teaching Assistant for Professor Kevin Kniffin, Dyson School of Applied Economics and Management, Cornell University.

Winter 2020, 2022, 2024, “Strategic Pricing”, Teaching Assistant for Professor Jura Liaukonyte, Dyson School of Applied Economics and Management, Cornell University.

Fall 2021 and 2022, “Advertising Strategy”, Teaching Assistant for Professor Jura Liaukonyte, Dyson School of Applied Economics and Management, Cornell University.

Fall 2021, “The Economics and Psychology of Sustainable Business”, Teaching Assistant for Professor William Schulze, Dyson School of Applied Economics and Management, Cornell University.

Fall 2020, “Applied Macroeconomics”, Teaching Assistant for Professor C.-Y. Cynthia Lin Lawell, Dyson School of Applied Economics and Management, Cornell University.

Spring 2020, “Resource Economics”, Teaching Assistant for Professor C.-Y. Cynthia Lin Lawell, Dyson School of Applied Economics and Management, Cornell University.

Fall 2019, “Behavioral Economics and Managerial Decisions”, Teaching Assistant for Professor William Schulze, Dyson School of Applied Economics and Management, Cornell University.

Professional Service

Ad hoc referee, *Journal of Economic Behavior and Organization*, 2025.

Programming Languages

Python, Stata, R, Matlab, SQL.