

JOSEPH E. DUGGAN JR. – Curriculum Vitae
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Department of Economics and Finance
University of Dayton
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EDUCATION

B.A. in Economics and Mathematics. Boston College, 2010.
M.A. in Economics. The Ohio State University, 2013.
M.S. in Operations Research. The Ohio State University, 2016.
Ph.D. in Economics. The Ohio State University, 2018.

PROFESSIONAL EXPERIENCE

Research Associate, NERA Economic Consulting, White Plains, New York (2010—2011)
Associate Analyst, NERA Economic Consulting, White Plains, New York (2011—2012)
Analyst, NERA Economic Consulting, White Plains, New York (2012)
University Fellow, Department of Economics, The Ohio State University (2012—2013)
Graduate Teaching Associate, Department of Economics, The Ohio State University (2013—2017)
Visiting Assistant Professor of Economics, Department of Economics and Finance, The University of Dayton (2017—2019)
Assistant Professor of Economics, Department of Economics and Finance, University of Dayton (2019—Present)
Sustainability Scholar, Hanley Sustainability Institute, University of Dayton (2019—Present)

RESEARCH INTERESTS

Market Design and Regulation, Energy Economics, Auctions, Applied Game Theory, Industrial Organization, Microeconomics

TEACHING INTERESTS

Microeconomics, Game Theory, Market Design, Industrial Organization, Energy Economics, Economic History

PUBLICATIONS IN REFEREED JOURNALS

J. E. Duggan Jr. and R. Sioshansi. “Another Step Toward Equilibrium Offers in Unit Commitment Auctions with Non-Convex Costs: Multi-Firm Oligopolies.” *The Energy Journal*, 40:249-281, November 2019.

J. E. Duggan Jr. “Subjective Homophily and the Fixtures Problem.” *Games*, 11(1): 11, February 2020.

J.E. Duggan Jr. “Capacity Market Mechanism Analyses: a Literature Review.” *Current Sustainable/Renewable Energy Reports*, 7: 186-192, December 2020.

B. Chaiken, J.E. Duggan Jr., and R. Sioshansi. “Paid to Produce Absolutely Nothing? A Nash-Cournot Analysis of a Proposed Power Purchase Agreement.” *Energy Policy*, 156, September 2021.

WORKING PAPERS

“Modeling CCS Policy Support: Implications for Market Performance, Net Emissions, and Welfare” (with Jonathan Ogland-Hand and Richard Middleton). *Submitted*.

“A Note on the Uniqueness of Nash-Cournot Equilibria in an Oligopolistic Energy Market with Renewable

Generation and Demand Uncertainty” (with Benjamin Chaiken) *Submitted.*

WORK IN PROGRESS

“Tacit Collusion in Repeated Unit Commitment Auctions”

“Common Cost Procurements with Bidder Entry”

“Corruption and Scoring Auctions”

“Cost Revelation in Electric Power Auctions with Capacitated Suppliers”

“Experimental Analysis of Centrally-Committed versus Self-Committed Markets for Wholesale Electricity”

AWARDS AND HONORS

University Fellowship, The Ohio State University (2012—2013)

L. Edwin Smart Departmental Citation for Excellence in Teaching, The Ohio State University (2015)

Graduate Associate Teaching Award Nominee, The Ohio State University (2015)

L. Edwin Smart Graduate Associate Teaching Award in Economics, The Ohio State University (2016)

Research Grant, Office of Energy and Environment, The Ohio State University (2016)

Graduate Associate Teaching Award, The Ohio State University (2017)

Summer Research Grant, School of Business Administration, University of Dayton (2017)

Faculty Excellence Award for Teaching Excellence, University of Dayton (2019)

Open Access Funding Award, University of Dayton Libraries (2020)

Outstanding Reviewer, IEEE Transactions on Power Systems (2020)

E-Learning Positive Student Feedback Recognition, Fall 2020, University of Dayton (2020)

Teaching Fellow, University of Dayton, 2021-2022

Research Grant, The Economics of Carbon Capture, Utilization, and Storage Project, University of Texas LBJ School of Public Affairs (2022)

OAEPS 2022 Annual Meeting Best Presentation in the Session “Government, Regulation, and Social Welfare” (2022)

Chosen for Faculty/Staff Learning Community “Rediscovering Meaning in our Work”, University of Dayton, 2022-2023

Summer Research Grant, School of Business Administration, University of Dayton (2023)

TEACHING EXPERIENCE

The Ohio State University

Instructor of Record

Econ 2367.02: Current Economic Issues in the United States (SU 2014)

Econ 4130: World Economic Development in Historical Perspective (SU 2015, SU 2016, SU 2017)

Econ 4001.02: (Calculus-Based) Intermediate Microeconomics (SP 2016)

Teaching Assistant

Econ 4140: Economic History of the Americas (AU 2013)

Econ 5140: Economic History of the United States (AU 2013)

Econ 2001.01: Principles of Microeconomics (SP 2014, AU 2015, SP 2016, SP 2017)

Econ 2002.01: Principles of Macroeconomics (AU 2015, AU 2016, SP 2017)

The University of Dayton

Eco 203: Principles of Microeconomics (AU 2017, AU 2018, AU 2019, AU2020, AU 2021, AU 2022, AU 2023)

Eco 203H: Principles of Microeconomics – Honors (AU 2022, AU 2023)

Eco 204: Principles of Macroeconomics (SP 2018, SP 2019, SP 2020, SP2021, SP2022)

Eco 204H: Principles of Macroeconomics - Honors (SP 2018)

Eco 390: Antitrust Economics (AU 2017, SP 2018, AU 2018, SP 2019, SP2022)

Eco 415: Game Theory (SP 2019, AU 2019, SP 2020, AU2020, SP2021, AU2021, AU 2022, SP2023, AU 2023)

Eco 790: Managerial Economics (Online course for MBA@Dayton) (Instructor: AU 2017, SP 2018, AU 2018) (Course Lead, SP 2018, SP2021, SU 2021, AU 2021, SP 2022, SU 2022, AU2022, SP2023, SU 2023, AU 2023)

Eco 790: Managerial Economics (On-Site course) (AU 2018)

TEACHING DEVELOPMENT

University Center for the Advancement of Teaching GTA Orientation Facilitator, The Ohio State University (SU 2015, SU 2016)

Teaching Orientation Facilitator Learning Community, The Ohio State University (2015—2016)

Teaching Circle, The Ohio State University (AU 2016, SP 2017)

University Center for the Advancement of Teaching Course Design Institute, The Ohio State University (Winter 2016)

Midterm Instructional Diagnosis, University of Dayton (Autumn 2017, Spring 2018, Spring 2019)

CONFERENCE PRESENTATIONS

Midwest Economics Association Annual Meeting, Cincinnati, Ohio (2017)

Public Economic Theory Conference, Strasbourg, France (2019)

Midwest Economic Association Annual Meeting, Chicago, Illinois (2020) *Cancelled due to the COVID-19 Pandemic*

Advanced Workshop in Regulation and Competition 33rd Annual Western Conference, Monterrey, California (2020) *Cancelled due to the COVID-19 Pandemic*

Online Conference on Mechanism and Institution Design, Klagenfurt, Austria (2020) *Moved Online due to the COVID-19 Pandemic*

Virtual INFORMS Annual Meeting (2020) *Moved Online due to the COVID-19 Pandemic*

INFORMS Annual Meeting (2021)

Midwest Economics Association Annual Meeting, Minneapolis, Minnesota (2022)

43rd IAEE International Conference (2022)

Ohio Association for Economists and Political Scientists Annual Meeting, Dayton, Ohio (2022)

INFORMS Annual Meeting, Indianapolis, Indiana (2022)

Midwest Economics Association Annual Meeting, Cleveland, Ohio (2023)

INFORMS Annual Meeting, Phoenix, Arizona (2023)

CONFERENCE CHAIRING

Session Co-Chair, Virtual INFORMS Annual Meeting (November 2020)

Session Chair, International Association for Energy Economics 2021 Conference (June 2021)

Session Co-Chair, INFORMS Annual Meeting (October 2021)

Session Chair/Discussant, Ohio Association for Economists and Political Scientists Annual Meeting (September 2022)

Session Chair, INFORMS Annual Meeting (October 2022)

Session Co-Chair, INFORMS Annual Meeting (October 2022)

Session Chair, INFORMS Annual Meeting (October 2023)

Session Co-Chair, INFORMS Annual Meeting (October 2023)

INVITED SEMINARS

Institute for Industrial and Systems Engineers Energy Systems Division (March 2022)

WORKSHOP PARTICIPATION

Business and Catholic Social Thought: A Primer, University of Notre Dame (2019)

Carbon Capture, Utilization, and Storage Economics and Policy Workshop, University of Texas (2022)

EDITORIAL WORK

Associate Editor, *Renewable Energy Focus* (2022-Present)

Co-Editor, Energy Markets Section, *Current Sustainable/Renewable Energy Reports* (2022-Present)

SERVICE

Grant Reviewer, Office of Energy and Environment, The Ohio State University, (Autumn 2016)

Referee for: *IEEE Transactions on Power Systems*, *The Energy Journal*

Common Academic Program Focus Group, University of Dayton (Spring 2018)

Midterm Instructional Diagnosis Facilitator, University of Dayton (Autumn 2018, Spring 2019, Autumn 2019, Spring 2022, Autumn 2023)

Member, Catholic and Marianist Identity Committee, University of Dayton (August 2018-August 2020)

Chair, Catholic and Marianist Identity Committee, University of Dayton (August 2019-August 2020)

Session Co-Chair, Virtual INFORMS Annual Meeting (November 2020)

Reviewer, Twelfth Congress on Innovative Smart Grid Technologies (ISGT 2021), (November 2020)

External Reviewer: The MIT Press

Member, MBA Task Force, University of Dayton (Autumn 2021-December 2022)

Business Economics Breadth Requirement Curriculum Review Committee (August 2022)

Session Chair and Co-Chair, INFORMS Annual Meeting (October 2022, October 2023)

Member, SBA Undergrad Curriculum Committee (Autumn 2023-Present)

Board Member, Ohio Association for Economists and Political Scientists (September 2023-Present)

PROFESSIONAL ASSOCIATIONS

Institute for Operations Research and Management Science, Econometric Society, Catholic Research Economists Discussion Organization, International Cryptozoology Society

REFERENCES

Available Upon Request