

CURRICULUM VITA

(February 2023)

Matthew E. Oliver, Ph.D.

Associate Professor
Director of Undergraduate Programs
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GT Faculty profile: [Link](#)
ResearchGate profile: [Link](#)
IDEAS/RePEc profile: [Link](#)

CURRENT POSITION

Georgia Institute of Technology, School of Economics, Atlanta, GA
Associate Professor w/ tenure (2019-present)
Director of Undergraduate Programs (2019-present)
Assistant Professor (2013-2019)

EDUCATION

University of Wyoming, Laramie, WY
PhD, Economics (2013)

University of Memphis, Memphis, TN
BBA, Business Economics; Minor, Spanish (2008)

RESEARCH INTERESTS

Primary field – Energy economics

Other fields – Environmental & natural resource economics; industrial organization & regulation; development economics; applied microeconomic theory; applied econometrics

PEER-REVIEWED PUBLICATIONS

**Underlined name indicates coauthor was a graduate student advisee.*

- [15] Beppler, R.C., Matisoff, D., & Oliver, M.E. (2023). Electricity Consumption Changes Following Solar Adoption: Testing for a Solar Rebound. **Economic Inquiry** 61(1): 58-81. [Link](#)
- [14] Ghodeswar, A., & Oliver, M.E. (2022) Trading One Waste for Another? Unintended Consequences of Fly Ash Reuse in the Indian Electric Power Sector. **Energy Policy** 165: 112940. [Link](#)
- [13] Oliver, M.E., & Upton, G.B. (2022). Are energy endowed countries responsible for conditional convergence? **The Energy Journal** 43(3): 201-224. [Link](#) • [Earlier version: *USAEE Working Paper No. 19-414* [Link](#)]
- [12] Kennedy, C.J., McDermott, S., & Oliver, M.E. (2020). Setting carbon taxes using declining discount rates: Implications for investment-based mitigation. **Strategic Behavior & the Environment** 8(3): 311-344. [Link](#)

- [11] Johnson, E.P., & Oliver, M.E. (2019). Renewable generation capacity and wholesale electricity price variance. **The Energy Journal** 40(5): 143-168. [Link](#)
- [10] Toroghi, S.H., & Oliver, M.E. (2019). Framework for assessment of the direct rebound effect for residential photovoltaic systems. **Applied Energy** 251: 113391. [Link](#)
- [9] Oliver, M.E. (2019). Pricing flexibility under rate-of-return regulation: Effects on network infrastructure investment. **Economic Modelling** 78: 150-161. [Link](#) • [Earlier version: Price regulation and pipeline transmission capacity. *USAEE Working Paper No. 17-295*. [Link](#)]
- [8] Oliver, M.E., & Mason, C.F. (2018). Natural gas pipeline regulation in the United States: Past, present, and future. **Foundations & Trends® in Microeconomics** 11(4): 227-288. [Link](#)
- [7] Cifci, E., & Oliver, M.E. (2018). Reassessing the links between economic growth, GHG emissions, and the UNFCCC: A difference-in-differences approach. **Sustainability** 10(2): 334. [Link](#)
- [6] Kim, B.C., & Oliver, M.E. (2017) Taming drillers through legislative action: Evidence from Pennsylvania’s shale gas industry. **Resource & Energy Economics** 50: 15-35. [Link](#)
- [5] Oliver, M.E. (2015). Economies of scale and scope in expansion of the U.S. natural gas pipeline network. **Energy Economics** 52 (Part B): 265-276. [Link](#)
- [4] Oliver, M.E., & Shogren, J.F. (2015). Common agency, contests, and corruption: Why the green candidate seldom wins. **Strategic Behavior & the Environment** 5(2): 87-109. [Link](#)
- [3] Oliver, M.E., Mason, C.F., & Finnoff, D. (2014). Pipeline congestion and basis differentials. **Journal of Regulatory Economics** 46(3): 261-291. [Link](#)
- [2] Oliver, M.E. (2014). Linking zebra mussel invasion and interstate waterborne commerce in the U.S.A. **Water Policy** 16(3): 536-556. [Link](#)
- [1] Strong, A., & Oliver, M.E. (2014). General equilibrium ecosystem modeling with alternative preference specifications. **Natural Resource Modeling** 27(2): 197-215. [Link](#)

CHAPTERS IN EDITED VOLUMES

- [3] Oliver, M.E. (2021). Pipelines. Vol. 3, pp. 463-470 in **International Encyclopedia of Transportation**, edited by R. Vickerman. Elsevier Ltd. [Link](#)
- [2] Oliver, M.E., & Mason, C.F. (2017). An overview of interstate gas pipeline regulation in the United States. Ch. 4, pp. 91-117, in **Progress in Economics Research, Vol. 39** (4th Quarter 2017), edited by A. Tavidze. NOVA Science Publishers, Inc. [Link](#)
- [1] Oliver, M.E., Pike, J., Huang, S., & Shogren, J.F., (2014). Climate policy coordination through institutional design: An experimental examination. Ch. 8, pp. 108-127, in **Toward a New Climate Agreement: Conflict, Resolution, and Governance**, edited by T. L. Cherry, J. Hovi, and D. McEvoy. Routledge Books, London.

OTHER PUBLICATIONS

- [2] Johnson, E.P., & Oliver, M.E. (2016). Renewable energy and wholesale electricity price variability. **IAEE Energy Forum** (1st Quarter 2016): 25-26. [Link](#)

- [1] Oliver, M.E., Mason, C.F., & Finnoff, D. (2014). Natural gas expansion and the cost of congestion. **IAEE Energy Forum** (1st Quarter 2014): 31-32. [Link](#)

WORKING PAPERS

- [Kamble, V.](#), Brewer D., & Oliver, M.E. (2022). Benefits to Agriculture from an Afforestation Program: Evidence from Rajasthan, India. [Link](#)
- Gillingham, K., Moreno-Cruz, J., & Oliver, M.E. (2022). Microeconomics of the Solar Rebound under Net Metering, with Behavioral and Welfare Considerations. (complete draft available upon request)
- Oliver, M.E., Moreno-Cruz, J., & [Beppler, R.C.](#) (2019). Microeconomics of the rebound effect for residential solar photovoltaic systems. *CESifo Working Paper No. 7635* [\[Link\]](#) • *USAEE Working Paper No. 19-403* [\[Link\]](#).

WORKS IN PROGRESS

- Does the United States President Have Any Influence over Domestic Retail Gasoline and Diesel Fuel Prices? (with D. Brewer)
- Managing the Transition to Renewable Electric Power: An Up-to-Date Survey of the Engineering, Economics, and Policy (with D. Matisoff)
- Wind generation and the electricity supply-demand balance: Evidence from US regional power markets (with V. Godwin)

SEMINARS, WORKSHOPS, & CONFERENCE PRESENTATIONS

Invited Seminars

- College of Charleston, Department of Economics, Apr. 13, 2018, Charleston, SC.
University of Georgia, Department of Agricultural & Applied Economics, Nov. 10, 2017, Athens, GA.
Appalachian State University, Department of Economics, Apr. 8, 2016, Boone, NC.
Georgia Institute of Technology, School of Economics, Feb. 19, 2016, Atlanta, GA.
Auburn University, Department of Economics, Mar. 6, 2014, Auburn, AL.
University of Memphis, Economics Department, Nov. 7, 2014, Memphis, TN.
Georgia Institute of Technology, School of Economics, Feb. 11, 2014, Atlanta, GA.
Georgia Institute of Technology, School of Economics, Feb. 7, 2013, Atlanta, GA.
University of Wyoming Dept. of Economics and Finance, Feb. 3, 2013, Laramie, WY.

Conferences & Workshops

- 90th Annual Meetings of the Southern Economic Assn., Nov 2020 (virtual)
89th Annual Meetings of the Southern Economic Assn., Nov. 23-25, 2019, Ft. Lauderdale, FL.
1st Southeastern Energy & Environmental Economics Workshop, Oct. 23-34, 2019, Atlanta, GA.
2019 AERE Summer Conference, May 29-30, 2019, Lake Tahoe, NV.
88th Annual Meetings of the Southern Economic Assn., Nov. 18-20, 2018, Washington, DC.
36th USAEE/IAEE North American Conference, Sept. 23-26, 2018, Washington, DC.
87th Annual Meetings of the Southern Economic Assn. (AERE Session), Nov. 17-19, 2017, Tampa, FL.
40th IAEE International Conference, June 18-21, 2017, Singapore.
85th Annual Meetings of the Southern Economic Assn., Nov. 21-23, 2015, New Orleans, LA.

17th Annual CU Environmental and Resource Economics Workshop, Sep. 4-5, 2015, Vail, CO.
84th Annual Meetings of the Southern Economic Assn., Nov. 22-24, 2014, Atlanta, GA.
84th Annual Meetings of the Southern Economic Assn. (AERE Session), Nov. 22-24, 2014, Atlanta, GA.
37th IAEE International Conference, Jun. 15-18, 2014, New York, NY.
2012 AERE Summer Conference, Jun. 4-5, 2012, Asheville, NC.
Occasional California Workshop in Environmental and Resource Economics, Feb. 24-25, 2012, Santa Barbara, CA.
13th Annual CU Environmental and Resource Economics Workshop, Oct. 7-8, 2011, Vail, CO.

COURSES TAUGHT

Undergraduate

Principles of Macroeconomics
Principles of Microeconomics
Advanced Microeconomic Analysis (Intermediate Microeconomics)
International Energy Markets (Energy Economics)
Environmental & Natural Resource Economics
Mathematical Modeling for Economics (Math Econ)

Graduate

Environmental & Natural Resource Economics (PhD, MS)
Macroeconomics (MS)
Microeconomic Theory I (PhD)

STUDENT ADVISING

Ph.D. Committee Chair

Vikrant Kamble, GT School of Economics (expected 2023)
Archana Ghodeswar, GT School of Economics (2022; Oak Ridge National Laboratory)
Evgeniya Tsybina, GT School of Economics (2021; Oak Ridge National Laboratory)

*Ph.D. Committee Member (*indicates serving as Ph.D. minor advisor)*

Anthony Harding, GT School of Economics (2020)
Jingwen Qu, GT School of Economics (2020)
Mishal Ahmed, GT School of Economics (2019)
Ross Beppler, GT School of Public Policy* (2019)
Chris Blackburn, GT School of Economics (2019)
Shahaboddin “Sean” H. Toroghi, GT School of Building Construction* (2019)
Zhe “Carrie” Zhai, GT School of Economics (2017)

M.S. & Undergraduate Independent Research

2022 – Emily O’Day
2021 – Denis Schwirtz
2020 – Djimon Brooks, Dwayne Copper
2019 – Austin McTier, Kirti Prabhakar, Jared Southers, Derek Tai
2018 – Brandon Alston, Eren Cifci, Shannon Murray, Dylan Patel, Kirti Prabhakar, Stacy Scopano, Arezoo Shirazi
2017 – Anisha Bhakri, Eren Cifci, Joseph Werble
2016 – Richard Green, Rui Huang, Li Lu, Zehuan Yu, Haiyue Zhang
2015 – Jason Beasley, Jonathan Law

Senior Thesis

2018 – Alex Remillard

2017 – Aeishah Abdeljawad, John Nicholson, Johanna Ortiz, Sana Surani
2016 – Isai Castrejon, Eric DiCorrado

AWARDS & HONORS

Student Recognition of Excellence in Teaching: CIOS Honor Roll, Georgia Tech (Fall 2022)
Student Recognition of Excellence in Teaching: CIOS Honor Roll, Georgia Tech (Fall 2021)
Office of the Provost’s Emerging Leaders Program, Georgia Tech (2020-2021)
Georgia Power Professor of Excellence, Georgia Tech (2019)
Ivan Allen College Distinguished Teaching Award, Georgia Tech (2018)
Center for Teaching & Learning (CTL) Class of 1969 Teaching Fellow, Georgia Tech (2017-2018)
Center for Serve-Learn-Sustain (SLS) Energy Systems for Sustainable Communities (ESSC) Fellow, Georgia Tech (2017)
Nominee: ORAU Ralph E. Powe Junior Faculty Enhancement Award, Georgia Tech (2015)
John P. Ellbogen Outstanding Graduate Assistant Teaching Award, Univ. of Wyoming (2012)
Anadarko Fellowship for Excellence in Energy Scholarship, Univ. of Wyoming (2011)
William E. Morgan Graduate Award, Univ. of Wyoming (2010)

GRANTS AWARDED

IAC Small Grants for Research (\$4,500) – Georgia Tech, Ivan Allen College (2022)
IAC Small Grants for Research [Co-PI w/ Justin Burkett] (\$4,500) – Georgia Tech, Ivan Allen College (2019)
IAC International Travel Grant (\$3,000) – Georgia Tech, Ivan Allen College (2017)

MEDIA

Featured Research

- futurity.org (3/12/2018): <https://www.futurity.org/emissions-economic-growth-kyoto-protocol-1700992/>
- research.gatech.edu (lead article, 10/5/2021): <https://research.gatech.edu/rooftop-solar-increases-electricity-use-raising-questions-utilities-and-policymakers-georgia-tech>

Expert Commentary

- Solar power got cheap. So why aren’t we using it more? By Ula Chrobak, *Popular Science* (10/8/2021): <https://www.popsoci.com/story/environment/cheap-renewable-energy-vs-fossil-fuels/>
- 2022’s Most & Least Energy-Expensive States. By Adam McCann, WalletHub (7/6/2022): https://wallethub.com/edu/energy-costs-by-state/4833#expert=Matthew_E._Oliver

PROFESSIONAL SERVICE

Internal

Undergraduate Curriculum Committee – GT School of Economics (2014-present)

- Director of Undergraduate Programs (2019-present)
- Interim Undergraduate Advisor – (Spring 2020)

Promotion & Tenure Committee – GT School of Economics (2019-present)
Policy Committee – GT School of Economics (2013-present)
Faculty Executive Committee – GT School of Economics (2021-2022)
Faculty Advisory Committee – GT Strategic Energy Institute (2018-2021)
Promotion Review Committee (Chair) – GT School of Economics (2021)
Staff Hiring Committee, Career Educator #2 – Ivan Allen College (2021)
Faculty Executive Committee – GT School of Economics (2021)

Co-organizer – 1st Southeastern Energy & Environmental Economics Workshop (2019)
 Staff Hiring Committee (Chair) – GT School of Economics (2019)
 Faculty Hiring Committee (Chair) – GT School of Economics (2019)
 Faculty Mentor – IAC Freshman Research Internship Program (AY 2018-19)
 Faculty Hiring Committee (Chair) – GT School of Economics (2018-19)
 Guest Speaker – AKPsi Student Business Fraternity (2018)
 School Chair Search Committee – GT School of Economics (2017)
 Host Institution Faculty Participant – Stamps Scholars National Convention (2017)
 Faculty Volunteer – Stamps President’s Scholars Program, Prospective Scholars Campus Visitation, GT Ivan Allen College (2017)
 Shadow Day Faculty Volunteer – GT Ivan Allen College (2017)
 Faculty Guest Coach – GT Athletics (2016)
 Shadow Day Faculty Volunteer – GT Ivan Allen College (2016)
 Reviewer – GT Ivan Allen College Small Research Grants (IAC-SGR) (2016)
 Faculty Judge – 4th Annual Ivan Allen College of Liberal Arts (IAC) Georgia Tech Research and Innovation Conference (GTRIC) Graduate Student Paper Competition (2016)
 Faculty Judge – 2nd Annual Ivan Allen College of Liberal Arts (IAC) Georgia Tech Research and Innovation Conference (GTRIC) Graduate Student Paper Competition (2014)

External

External Reviewer – Promotion & Tenure (university information redacted for confidentiality), 2022
 Session Chair & Organizer – 90th Annual Meetings of the Southern Economic Assn. Nov. 2020 (virtual)
 Discussant – 88th Annual Meetings of the Southern Economic Assn., Nov. 2018, Washington, DC.
 Discussant – 87th Annual Meetings of the Southern Economic Assn., Nov. 2017, Tampa, FL.
 Discussant – 85th Annual Meetings of the Southern Economic Assn., Nov. 2015, New Orleans, LA.
 Session Chair, Discussant – 84th Annual Meetings of the Southern Economic Assn., Nov. 2014, Atlanta, GA.

REFEREE & REVIEWER

Applied Economics Letters • *Contemporary Economic Policy* • *Ecological Economics* (3) • *Ecology and Society* • *Economic Modelling* (3) • *Economics of Energy & Environmental Policy* • *Energies* • *Energy Economics* (4) • *The Energy Journal* (7) • *Energy Policy* (2) • *Energy Reports* • *Environmental & Resource Economics* (2) • *Int’l. Journal of Electric Power & Energy Systems* • *Journal of Environmental Economics & Management* (2) • *Journal of Management Science & Engineering* • *Journal of Natural Resources Policy Research* • *Land Economics* • *The Manchester School* • *Natural Resources Forum* • *Nature Energy* • *Resource & Energy Economics* (4) • *Resources, Conservation & Recycling* • Routledge [book proposal] (2) • *Southern Economic Journal* • *Sustainability* (9) • *Utilities Policy* (2) • *Water Economics & Policy*

PROFESSIONAL AFFILIATIONS & MEMBERSHIPS

Georgia Tech – Strategic Energy Institute • Center for Serve-Learn-Sustain • Center for Teaching & Learning

American Economic Association (AEA) • Association of Environmental and Resource Economists (AERE) • U.S. Association for Energy Economics (USAEE) • International Association for Energy Economics (IAEE) • Southern Economic Association (SEA)

LANGUAGES

English (native)
Spanish (proficient)

SOFTWARE

STATA (proficient)
Mathematica (proficient)
GAMS (moderate)
ArcGIS (limited)

PROFESSIONAL REFERENCES

CHARLES F. MASON
H.A. "Dave" True Prof. of Oil & Gas Economics
Dept. of Economics, Univ. of Wyoming
Email: bambuzlr@uwyo.edu
Phone: 307-766-5336

JUAN MORENO-CRUZ
Associate Professor, School of Environment, Enterprise, & Development
University of Waterloo (CAN)
Email: juan.moreno-cruz@uwaterloo.ca
Phone: 519-888-4567 ext. 36578

JASON F. SHOGREN
Stroock Prof. of Natural Resource Conservation & Management
Dept. of Economics, Univ. of Wyoming
Email: JRamses@uwyo.edu
Phone: 307-766-5430

LAURA O. TAYLOR
Professor & Chair, School of Economics, Georgia Institute of Technology
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