

# CURRICULUM VITA

(February 2025)

## Matthew E. Oliver, Ph.D.

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GT Faculty profile: [Link](#)  
ResearchGate profile: [Link](#)  
IDEAS/RePEc profile: [Link](#)

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### CURRENT POSITION

**Georgia Institute of Technology**, School of Economics, Atlanta, GA  
Associate Professor w/ tenure (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

*NOTE: Underlined name indicates coauthor was a student advisee.*

- [18] Kamble, V., Brewer D., & Oliver, M.E. (2025). Is there a trade-off between forest expansion and agriculture? Evidence from India. **Land Economics**. Forthcoming (accepted Feb. 2025) [Earlier version: [Link](#)]
- [17] Oliver, M.E., Moreno-Cruz, J., & Gillingham, K., (2025). Microeconomics of the Solar Rebound under Net Metering. **Journal of the Association of Environmental & Resource Economists**. Forthcoming (accepted Sept. 2024). [Link](#) [Earlier version: *USAEE Working Paper No. 23-588* [Link](#)]
- [16] Oliver, M.E. (2023). Tipping the scale: Why utility-scale solar avoids a solar rebound and what it means for U.S. solar policy. **The Electricity Journal** 36(4): 107266. [Link](#)
- [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 estimation 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](#)

#### **BOOK CHAPTERS & OTHER PUBLICATIONS**

- [6] Oliver, M.E. (2025). The Economics of Integrating Distributed Energy Resources into the Electricity System. Ch. ##, pp. ## in **Distributed Generation – Pioneering the Future of Decentralized Energy**, edited by A.F. Zobaa & M. Zobaa. IntechOpen. Forthcoming (accepted Jan. 2025).
- [5] Oliver, M.E. (2021). Pipelines. Vol. 3, pp. 463-470 in **International Encyclopedia of Transportation**, edited by R. Vickerman. Elsevier Ltd. [Link](#)

- [4] 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** (4<sup>th</sup> Quarter 2017), edited by A. Tavidze. NOVA Science Publishers, Inc. [Link](#)
- [3] Johnson, E.P., & Oliver, M.E. (2016). Renewable energy and wholesale electricity price variability. **IAEE Energy Forum** (1<sup>st</sup> Quarter 2016): 25-26. [Link](#)
- [2] 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.
- [1] Oliver, M.E., Mason, C.F., & Finnoff, D. (2014). Natural gas expansion and the cost of congestion. **IAEE Energy Forum** (1<sup>st</sup> Quarter 2014): 31-32. [Link](#)

### **WORKING & UNPUBLISHED PAPERS**

- Godwin, V., & Oliver, M.E. (2025). Wind intermittency and supply-demand imbalance: Evidence from U.S. regional power markets. *USAEE Working Paper No. 24-517* [\[Link\]](#) (Revisions requested at **The Energy Journal**, Nov. 2024.)
- Ghodeswar, A., Nair-Reichert, U. & Oliver, M.E. (2025). Fixing the leaking bucket: Financial factors and the performance of India's electricity distribution utilities. (Under review. Submitted Sept. 2024.)
- Oliver, M.E., Chapman, O., Grijalva, S., Matisoff, D., Ramadhani, M., & West, A. (2025). Managing Intermittent Renewable Energy: Review and Synthesis of the Engineering, Economics, and Policy. (Under review. Submitted Jan. 2025.)
- Brewer, D., & Oliver, M.E. (2025). Presidents, Prices at the Pump, and the Difference in Perceptions between Energy Market Experts and Non-experts. [\[Link\]](#)
- Alexander, L., & Oliver, M.E. (2025). Google Trends and Going Green: A Comparative Study of Energy-Related Searches and Energy Trends in Germany and the United States. [\[Link\]](#)
- 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**

- The Flatter the Better? Retail Electricity Pricing with Residential Solar and Battery Storage. (with J. Burkett)
- The Role of Nuclear Power in the Clean Energy Transition (with K. Lifchez & P. Turner)

### **SEMINARS, WORKSHOPS, & CONFERENCE PRESENTATIONS**

#### *Invited Seminars*

- University of Oklahoma, Department of Economics, Nov. 15, 2024, Norman, OK.
- Georgia Institute of Technology, School of Economics, Oct. 3, 2023, Atlanta, GA.
- 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, & Other Invited Presentations*

2024 AERE Summer Conference, May 29-31, 2024, Washington, DC.  
2024 American Economic Association (AEA) Annual Meeting (IAEE session), Jan. 5-7, 2024, San Antonio, TX.  
93<sup>rd</sup> Annual Meeting of the Southern Economic Assn., Nov. 18-20, 2023, New Orleans, LA. [3 papers presented: 2 in AERE sponsored sessions, 1 in general session.]  
Southeastern Workshop on Energy & Environmental Economics & Policy, Oct. 19-20, 2023, Atlanta, GA.  
50<sup>th</sup> Anniversary Celebration (Academic Faculty Panel) – Dept. of Economics PhD Program, University of Wyoming, Sept. 16, 2023, Laramie, WY.  
Georgia Tech Faculty Field Day @ Sandia National Laboratories, Mar. 13-14, 2023, Albuquerque, NM.  
90<sup>th</sup> Annual Meetings of the Southern Economic Assn., Nov. 2020 (virtual)  
89<sup>th</sup> Annual Meetings of the Southern Economic Assn., Nov. 23-25, 2019, Ft. Lauderdale, FL.  
Southeastern Energy & Environmental Economics Workshop, Oct. 23-34, 2019, Atlanta, GA.  
2019 AERE Summer Conference, May 29-30, 2019, Lake Tahoe, NV.  
88<sup>th</sup> Annual Meetings of the Southern Economic Assn., Nov. 18-20, 2018, Washington, DC.  
36<sup>th</sup> USAEE/IAEE North American Conference, Sept. 23-26, 2018, Washington, DC.  
87<sup>th</sup> Annual Meetings of the Southern Economic Assn. (AERE Session), Nov. 17-19, 2017, Tampa, FL.  
40<sup>th</sup> IAEE International Conference, June 18-21, 2017, Singapore.  
85<sup>th</sup> Annual Meetings of the Southern Economic Assn., Nov. 21-23, 2015, New Orleans, LA.  
17<sup>th</sup> Annual CU Environmental and Resource Economics Workshop, Sep. 4-5, 2015, Vail, CO.  
84<sup>th</sup> Annual Meetings of the Southern Economic Assn., Nov. 22-24, 2014, Atlanta, GA. [2 papers presented: 1 in AERE sponsored session, 1 in general session.]  
37<sup>th</sup> 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.  
13<sup>th</sup> 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/Co-chair (w/ year graduated; initial placement)*

Victoria Godwin, GT School of Economics (expected 2026)  
Sedat Ors, GT School of Economics (expected 2026)  
Vikrant Kamble, GT School of Economics (2023; Arizona State Univ., post-doc)  
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)*

M. Akif Aglar, GT School of Economics (expected 2026)  
Cindy Azuero Pedraza, GT School of Industrial Systems Engineering\* (2023)  
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 Supervised Research*

2024 – Lindsey Alexander, Anushka Mukhopadhyay, Dawson Lane, Aidan McAlister, Kendy Lopez  
2023 – Adam Taylor  
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 Scapano, 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 – Aeshah Abdeljawad, John Nicholson, Johanna Ortiz, Sana Surani  
2016 – Isai Castrejon, Eric DiCorrado

## **AWARDS & HONORS**

EPICenter Faculty Affiliate Program, Georgia Tech (2024)  
Student Recognition of Excellence in Teaching: CIOS Honor Roll, Georgia Tech (Fall 2023)  
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*

- Does cutting greenhouse gas emissions hurt economic growth? By Michael Porter, Futurity (3/12/2018): [Link to article](#)
- Rooftop Solar Increases Electricity Use, Raising Questions for Utilities and Policymakers, Georgia Tech Study Finds. By Michael Porter, research.gatech.edu (lead article, 10/5/2021): [Link to article](#)
- Residential solar power saves less energy than expected. By Tess Malone, Tech Xplore (11/20/2023): [Link to article](#)
- Best of Last Year: The top Tech Xplore articles of 2023. By Bob Yirka, Tech Xplore (12/14/2023): [Link to article](#)

### *Expert Commentary*

- Solar power got cheap. So why aren't we using it more? By Ula Chrobak, *Popular Science* (10/8/2021): [Link to article](#)
- 2022's Most & Least Energy-Expensive States. By Adam McCann, WalletHub (7/6/2022): [Link to article](#)
- 'Insane' & 'ridiculous' Georgia Power bills hit Columbus. What's causing rate spikes? By Kala Hunter, *Ledger-Enquirer* (Columbus, GA, 8/4/2024). [Link to article](#)
- Georgia Power to reveal its plan to serve all those power-hungry data centers. By Drew Kann, *Atlanta Journal-Constitution* (Atlanta, GA, 1/30/2025). [Link to article](#)

## **PROFESSIONAL SERVICE**

### *GT School of Economics*

Undergraduate Curriculum Committee (2014-2024)

- Director of Undergraduate Programs (2019-2024)
- Interim Undergraduate Advisor (Spring 2020)

Promotion & Tenure Committee (2019-present)

Policy Committee (2013-present)

Lecturer Hiring Committee (2024)

Faculty Executive Committee (2021-2022)

Tenure-Track Faculty Hiring Committee (Chair) (2022-2023)

Acad. Prof. Promotion Review Committee (Chair) (2021)

Academic Professional Hiring Committee (Chair) (2019-2020)

Tenure-Track Faculty Hiring Committee (Chair) (2019-2020)

Tenure-Track Faculty Hiring Committee (Chair) (2018-2019)

School Chair Search Committee (2017)

### *Ivan Allen College of Liberal Arts*

Shadow Day Faculty Volunteer (2016-2024)

Staff Hiring Committee, Career Educator #2 (2021)

Faculty Mentor, IAC Freshman Research Internship Program (AY 2018-19)

Faculty Volunteer, Stamps President's Scholars Program, Prospective Scholars Campus Visitation (2017)

Reviewer, Small Research Grants (IAC-SGR) (2016)

Faculty Judge – 4<sup>th</sup> Annual Ivan Allen College of Liberal Arts (IAC) Georgia Tech Research and Innovation Conference (GTRIC) Graduate Student Paper Competition (2016)  
Faculty Judge – 2<sup>nd</sup> Annual Ivan Allen College of Liberal Arts (IAC) Georgia Tech Research and Innovation Conference (GTRIC) Graduate Student Paper Competition (2014)

#### *Georgia Tech*

UK Awards Campus Review Committee (2021)  
Faculty Advisory Committee, GT Strategic Energy Institute (2018-2021)  
Guest Speaker, AKPsi Student Business Fraternity (2018)  
Host Institution Faculty Participant, Stamps Scholars National Convention (2017)  
Faculty Guest Coach, GT Athletics (2016)

#### *Service to the Profession*

Co-organizer, Southeastern Workshop on Energy & Environmental Economics & Policy (SWEEEP) (2024)  
Co-organizer, Southeastern Workshop on Energy & Environmental Economics & Policy (SWEEEP) (2023)  
Session Chair – 93<sup>rd</sup> Annual Meeting of the Southern Economic Assn. (Nov. 2023, New Orleans, LA)  
Session Chair – 93<sup>rd</sup> Annual Meeting of the Southern Economic Assn., AERE session (Nov. 2023, New Orleans, LA)  
External Reviewer – U.S. Dept. of Energy, Office of Clean Energy Demonstrations [multiple concept papers for DE-FOA-0002970] (2023)  
External Reviewer – Promotion & Tenure [university information redacted for confidentiality] (2022)  
Session Chair & Organizer – 90<sup>th</sup> Annual Meetings of the Southern Economic Assn. (Nov. 2020, virtual)  
Co-organizer, Southeastern Energy & Environmental Economics Workshop (SEEEW) (2019)  
Discussant – 88<sup>th</sup> Annual Meetings of the Southern Economic Assn. (Nov. 2018, Washington, DC)  
Discussant – 87<sup>th</sup> Annual Meetings of the Southern Economic Assn. (Nov. 2017, Tampa, FL)  
Discussant – 85<sup>th</sup> Annual Meetings of the Southern Economic Assn. (Nov. 2015, New Orleans, LA)  
Session Chair, Discussant – 84<sup>th</sup> Annual Meetings of the Southern Economic Assn. (Nov. 2014, Atlanta, GA)

#### *Public Engagement*

Expert Panelist, The State of Solar in Georgia: A Policy & Economic Forum [Georgia Solar Energy Industries Association & Conservatives for Clean Energy, Georgia] (July 12, 2023)  
Breakout Session Co-Lead, Track + Scale: Georgia Climate Solutions Workshop [Drawdown Georgia] (May 13, 2024)

### **REFEREE**

*Applied Economics Letters* (2) • *Applied Energy* • *Contemporary Economic Policy* • *Ecological Economics* (4) • *Ecology and Society* • *Economic Modelling* (4) • *Economics of Energy & Environmental Policy* (2) • *Energies* • *Energy* • *Energy Economics* (6) • *The Energy Journal* (8) • *Energy Policy* (3) • *Energy Reports* (2) • *Environmental & Resource Economics* (2) • *European Journal of Operational Research* • *Int'l. Journal of Electric Power & Energy Systems* • *Journal of the Association of Environmental & Resource Economists* (2) • *Journal of Environmental Economics & Management* (5) • *Journal of Management Science & Engineering* • *Journal of Natural Resources Policy Research* • *Land Economics* • *The Manchester School* • *Natural Resources Forum* • *Nature Energy* • *Resource & Energy Economics* (5) • *Resources, Conservation & Recycling* • *Resources Policy* • 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  
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