

MIRCEA GHERGHINA

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Watson Institute for International and Public Affairs, Brown University ◊ Box 1970, Brown University, Providence, RI

ACADEMIC POSITIONS

Watson School of International and Public Affairs, Brown University, U.S. 2025 -
Postdoctoral Research Associate, Climate Solutions Lab

EDUCATION

University of Toronto, Canada 2025
PhD in Sociology

Dissertation title: *Dealing with Carbon: Environmental Policy, Organizations, and Technological Responses to Climate Change*

Committee: Steve Hoffman (Supervisor), Fedor Dokshin (Co-supervisor), Lauren Richter

University of Bristol, United Kingdom 2016
MSc in Social Science Research Methods (with Distinction)

Bucharest University of Economic Studies, Romania 2014
Bachelor of Economics

University of Amsterdam, the Netherlands 2012-2013
Erasmus student

RESEARCH INTERESTS

environmental policy, climate change, economic sociology, computational social science, sociology of technology, social stratification, sociology of organizations

REFEREED PUBLICATIONS

Gherghina, M., Dokshin, F.A., Leffel, B. 2025. "Unequal performance of residential solar PVs by race and income is partly explained by financing model and installer choice" *Nature Energy* 10, 697–706

Dokshin, F.A., **Gherghina, M.** (equal authorship) "Mind the Gap: Supply-Side Effects on Differential Diffusion in the Household Energy Technologies Market" - *Research in the Sociology of Organization*, Forthcoming

Dokshin, Fedor A., **Gherghina, M.**. 2024. "Party Affiliation Predicts Homeowners' Decisions to Install Solar PV, but Partisan Gap Wanes with Improved Economics of Solar." *Proceedings of the National Academy of Sciences* 121:29

Dokshin, Fedor A., **Gherghina, M.**, and Thiede, B.C. 2024. "Closing the Green Gap? Changing Disparities in Residential Solar Installation and the Importance of Regional Heterogeneity." *Energy Research & Social Science* 107:103338

MANUSCRIPTS IN PROGRESS

Gherghina, M., Gavis, A. "Technology Stacking as Spatial and Economic Development" - under review

Gherghina, M. From Climate to Economy: Priorities and Representation in U.S. Senate Energy Policy Hearings - under review

Gherghina, M "The moral tensions of scaling up a green market" - under review

Breznitz, S.M. Clayton, P. A. and **Gherghina., M.** Transforming Collaboration Networks - under review

Gherghina, M. "Making Cleantech: The Emergence and Legitimation of Carbon Technologies as a Policy Response to Climate Change, 2000-2023"

BOOK CHAPTERS & REVIEWS

Gherghina, M. (2020) "Book review: Empirical Research on an Unconditional Basic Income in Europe", edited by Lei Delsen, *British Journal of Industrial Relations*, 58: 1054-1056

Gherghina, M., McNeill, S., Abdi, K. (2019) "Insights from network analysis in Somalia" In Keating, M. and Waldman, M. (eds.) *War and Peace in Somalia: National Grievances, Local Conflict and Al-Shabaab*. London: Hurst Publications

GRANTS AND AWARDS

Ontario Graduate Scholarship, 2024 - 2025

Doctoral Completion Award, 2023-2024

Climate Positive Energy Graduate Scholarship, 2022 - 2023

Connaught International Scholarship for Doctoral Students, 2019 - 2023

Summer Research Fellowship, University of Toronto, 2022

Research Stimulus Grant, Department of Sociology, University of Toronto, 2020, 2021

Recognition of Excellence Award, Department of Sociology, University of Toronto, 2019

Sociology Admission Merit Award, Department of Sociology, University of Toronto, 2019

Bristol Alumni Foundation Conference Travel Grant, 2016

CONFERENCES AND INVITED PRESENTATIONS

September, 2025, "*Innovation not Elimination*": *Carbon Technologies and U.S. Energy Policy* - Climate Solutions Lab, Watson School of International and Public Affairs

August, 2025, *From Climate to Economy: Priorities and Representation in U.S. Senate Energy Policy Hearings, 2000 – 2021* - American Sociological Association Annual Meeting, Chicago

November 2024, *Managing expectations in technology markets: the emergence of carbon capture and removal technologies* - 17th Annual Ivey/ARCS PhD Sustainability Academy

December 2023, *Making Cleantech: The Emergence of Carbon Capture as a Response to Climate Change* - Sociology Climate Pipeline Workshop, Harvard University

November 2023, *Making Cleantech: The Emergence of Carbon Capture as a Response to Climate Change* - 4S Annual Conference, Honolulu

August 2023, *Technology Stacking, Urban (Re)Development, and Inequality* - American Sociological Association Annual Meeting, Philadelphia

June 2023, *Energy Providers, Cooperatives, and Green Technology Adoption* - Canadian Sociological Association Annual Conference, York University, Toronto

August 2022, *Closing the green gap?: Trends in residential solar installation disparities by race, income, and rurality* - American Sociological Association Annual Meeting, Los Angeles

August 2022, *Capturing Carbon: Innovation, Values, and the Emergence of a Clean Technology, 1996-2021*, Climate Positive Energy Research Day 2022 – Advancing our Net-Zero Future, University of Toronto

June 2022, *Political party affiliation predicts homeowners' decisions to install solar PV, but high electricity rates mitigate the partisan gap: Evidence from large-scale administrative data* - Energy and Climate Transformations: 3rd International Conference on Energy Research & Social Science, University of Manchester

June 2022, *Closing the green gap?: Trends in residential solar installation disparities by race, income, and rurality* - Energy and Climate Transformations: 3rd International Conference on Energy Research & Social Science, University of Manchester

May 2022, *Capturing Carbon: Innovation, Values, and the Emergence of a Clean Technology, 1996-2021*- Research perspectives on CCUS, Climate Positive Energy Initiative, University of Toronto

July 2021, *Framing risk: Central banks in the age of climate change* - Society for the Advancement of Socio-Economics Conference

August 2020, *Start-ups, Embeddedness, and Investment Networks* - American Sociological Association Annual Conference

TEACHING EXPERIENCE

Brown University:

Course instructor

Spring 2026 - IAPA1700G Energy, Climate and Society

University of Toronto:

Course instructor

Winter 2024 - CCT416 Social Data Analytics

Teaching assistant

Winter 2023, Fall 2022, Winter 2020 - SOC202 Intro to Quantitative Methods

Fall 2023, SOC252 Intermediate Quantitative Methods

Winter 2022 - SOC497 Computational Methods in Sociology

Winter 2022 - ENV350 Energy Policy & Environment

Winter 2023, Winter 2021, Summer 2021 - SOC270 Intro to Social Networks

Fall 2019, Fall 2020 - SOC306 Economic Sociology

TRAINING

2021 - ICPSR Summer Program at the University of Michigan (Data Science and Text Analysis, Causal Inference for the Social Sciences, Maximum Likelihood Estimation II: Advanced Topics)

2021 - Certificate in Teaching Fundamentals - Centre for Teaching Support and Innovation, University of Toronto

PROFESSIONAL EXPERIENCE

European Central Bank

Principal Communications Assistant

· Directorate General Communications, Global Media Relations

August 2017 - July 2018

Frankfurt, Germany

European Central Bank

Trainee

January 2017 - August 2017

Frankfurt, Germany

- Directorate General Communications, Web and Digital Division

University of Bristol

Web and Communication Intern

September 2015 - July 2016

Bristol, UK

- Marketing and Communications Department

ACADEMIC SERVICE

2021/ 2022 - Hiring committee - Environmental Justice AP position, University of Toronto - Mississauga

2022 - Membership committee - Environmental Sociology, American Sociological Association

MEMBERSHIP

American Sociological Association

REVIEWER

Environmental Research Letters, Environmental Research: Energy, Academy of Management Annual Conference, International Journal of Photoenergy

LANGUAGE SKILLS

Romanian (native), English (fluent), German (intermediate)

COMPUTER SKILLS

Research Software R, Python, STATA, SPSS, UCINET, Gephi, QGIS, ArcGIS, Arc2Earth

REFERENCES

Dr. Steve Hoffman

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University of Toronto
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Dr. Fedor Dokshin

Assistant Professor, Department of Sociology
University of Toronto
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Dr. Lauren Richter

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