

Here are some examples of policy-relevant publications by scholars affiliated with LCSSP:

- ["Off-Policy Predictive Control with Causal Sensitivity Analysis"](#) (2025) by Myrl G. Marmarelis, Ali Hasan, Kamyar Azzadenesheli, R. Michael Alvarez, and Anima Anandkumar, Conference Paper, The 41st Conference on Uncertainty in Artificial Intelligence, UAI 2025.
- ["Impacts of Air Pollution on Cardiorespiratory Medical Expenditures in Oslo"](#) (2025) by Cong Cao, Conference Paper, 2025 Harvard CGA Conference: The Geography of Digital Twins & The 2025 Symposium on Spatiotemporal Data Science.
- ["Attitudes Toward Artificial Intelligence \(AI\) and Globalization: Common Microfoundations and Political Implications"](#) (2025) by Beatrice Magistro, Sophie Borwein, R. Michael Alvarez, Bart Bonikowski, and Peter Loewen, *American Journal of Political Science*.
- ["Fast-ER: GPU-Accelerated Record Linkage in Python"](#) (2024) by Jacob Morrier and R. Michael Alvarez, Data Analytics Colloquium.
- ["Trust in Scientists and Their Role in Society Across 68 Countries"](#) (2024) by Viktoria Cologna, Niels G. Mede, Sebastian Berger, John Besley, Cameron Brick, Marina Joubert, Edward Maibach, Sabina Mihelj, Naomi Oreskes, Mike S. Schäfer, and Sander van der Linden, preprint under review.
- ["The Cognitive Foundations of Conspiratorial Thinking"](#) (2024) by Lisa Marieke Klun, Caroline J. Charpentier, Jeffrey Cockburn, Tessa Rusch, Sneha R. Aenugu, Yimeng Li, Reza Tadayonnejad, R. Michael Alvarez, and John Philip O'Doherty, preprint undergoing peer review.
- ["Persistence of Wildfire-Related School Disruptions"](#) (2024) by Ransi Clark and R. Michael Alvarez, preprint undergoing peer review.
- ["Q-Diffusion Leverages the Full Dimensionality of Gene Coexpression in Single-Cell Transcriptomics"](#) (2024) by Myrl G. Marmarelis, Russell Littman, Francesca Battaglin, Donna Niedzwiecki, Alan Venook, Jose-Luis Ambite, Aram Galstyan, Heinz-Josef Lenz, and Greg Ver Steeg, *Communications Biology*.
- ["Perceptions of Science, Science Communication, and Climate Change Attitudes in 67 Countries, The TISP Dataset"](#) (2024) by Viktoria Cologna, ..., R.M. Alvarez, R. Debnath, ..., RA Zwann, preprint undergoing peer review.
- ["Physics-Based Deep Learning Reveals Rising Heating Demand Heightens Air Pollution in Norwegian Cities"](#) (2024) by Cong Cao, Ramit Debnath, and R. Michael Alvarez, *arXiv*.
- ["How to Better Predict the Effect of Urban Traffic and Weather on Air Pollution? Norwegian Evidence from Machine Learning Approaches"](#) (2024) by Cong Cao, *Journal of Economic Behavior and Organization*.
- ["Evaluating the Quality of Answers in Political Q&A Sessions with Large Language Models"](#) (2024) by R. Michael Alvarez and Jacob Morrier, *arXiv.org*.
- ["Trust in Scientists and Their Role in Society Across 67 Countries"](#) (2024) by Viktoria Cologna, Niels G. Mede, Sebastian Berger, John Besley, Cameron Brick, Marina Joubert, Edward Maibach, Sabina Mihelj, Naomi Oreskes, Mike S. Schäfer,

and Dr. Sander van der Linden (Ramit Debnath and R. Michael Alvarez participated in this paper, relevant to their work on trust in science & science comms), preprint undergoing peer review.

- ["Attitudes Toward Automation and the Demand for Policies Addressing Job Loss: The Effects of Information About Trade-Offs"](#) (2024) by Beatrice Magistro, Peter Loewen, Bart Bonikowski, Sophie Borwein, and Blake Lee-Whiting, *Political Science Research and Methods*.
- ["The Effect of Misinformation Intervention: Evidence from Trump's Tweets and the 2020 Election"](#) (2023) by Zhuofang Li, Jian Cao, Nicholas Adams-Cohen, and R. Michael Alvarez, Conference paper, Disinformation in Open Online Media, 5th Multidisciplinary International Symposium, MISDOOM 2023, Amsterdam, The Netherlands, November 21–22, 2023, Proceedings.
- ["Large Language Models and Political Science"](#) (2023) by Mitchell Linegar, Rafal Kocielnik, and R. Michael Alvarez, *Frontiers in Political Science*.
- ["Issue Responsiveness in Canadian Politics: Are Parties Responsive to the Public Salience of Climate Change in the Question Period?"](#) (2023) by R. Michael Alvarez and Jacob Morrier, *Political Research Quarterly*.
- ["Why Don't Americans Trust University Researchers and Why It Matters for Climate Change"](#) (2023) by R. Michael Alvarez, Ramit Debnath, Daniel Ebanks, *PLOS Climate*.
- ["Generative AI and the Future of Elections"](#) (2023) by R. Michael Alvarez, Frederick Eberhardt, and Mitchell Linegar.
- ["Conspiracy Spillovers and Geoengineering"](#) (2023) by Ramit Debnath, David M. Reiner, Benjamin K. Sovacool, Finn Müller-Hansen, Tim Repke, R. Michael Alvarez, and Shaun D. Fitzgerald, *iScience*.
- ["COVID-Dynamic: A Large-Scale Longitudinal Study of Socioemotional and Behavioral Change Across the Pandemic"](#) (2023) by Tessa Rusch, Yanting Han, Dehua Liang, Amber R. Hopkins, Caroline V. Lawrence, Uri Maoz, Lynn K. Paul, and Damian A. Stanley, *Scientific Data*.
- ["Facilitating System-Level Behavioural Climate Action Using Computational Social Science"](#) (2023) by Ramit Debnath, Sander van der Linden, R. Michael Alvarez, and Benjamin K. Sovacool, *Nature Human Behavior*.
- ["Social Media Enables People-Centric Climate Action in the Hard-to-Decarbonise Building Sector"](#) (2022) by Ramit Debnath, Ronita Bardhan, Darshil U. Shah, Kamiar Mohaddes, Michael H. Ramage, R. Michael Alvarez, and Benjamin K. Sovacool, *Scientific Reports*.
- ["The Politics of Vaccine Hesitancy in the United States"](#) (2021) by Jian Cao, Christina M. Ramirez, and R. Michael Alvarez, *Social Science Quarterly*.
- ["How \(Not\) to Reproduce: Practical Considerations to Improve Research Transparency in Political Science"](#) (2021) by R. Michael Alvarez and Simon Heuberger, *PS: Political Science & Politics*.
- ["Dynamic Social Media Monitoring for Fast-Evolving Online Discussions"](#) (2021) by Maya Srikanth, Anqi Liu, Nicholas Adams-Cohen, Jian Cao, R. Michael Alvarez,

and Anima Anandkumar, *KDD '21: Proceedings of the 27th ACM SIGKDD Conference on Knowledge Discovery & Data Mining*.

- ["Finding Social Media Trolls: Dynamic Keyword Selection Methods for Rapidly-Evolving Online Debates"](#) (2019) by Anqi Liu, Maya Srikanth, Nicholas Adams-Cohen, R. Michael Alvarez, Anima Anandkumar, *AI for Social Good workshop at NeurIPS*.

Here is an example of unpublished work by scholars affiliated with LCSSP:

- [APSA 2023 presentations](#) on carbon tax research and on election attacks from Beatrice Magistro, Sreemanti Dey, Daniel Ebanks, and R. Michael Alvarez.