

Dr. Omar I. Asensio
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(a) Professional Preparation

University of Southern California, Chemistry (minor in Philosophy)	B.S. 2002
University of Southern California, Materials Engineering	M.S. 2005
UCLA, Environmental Science & Engineering (specialties in Economics)	Doctorate, 2015
UCLA, Anderson School of Management Ziman Center & Institute of the Environment and Sustainability	Postdoc, 2015-2017

(b) Appointments

<i>Assistant Professor</i> , Georgia Institute of Technology, School of Public Policy Director, Data Science and Policy Laboratory Faculty Affiliate, Institute for Data Engineering and Science (IDEaS) Faculty Affiliate, Machine Learning Center (ML@GT) Faculty Affiliate, Strategic Energy Institute Faculty Affiliate, Climate and Energy Policy Laboratory	2017-Present
<i>Area Editor</i> , Data and Policy Journal, Cambridge University Press	2021-Present

(c) Products

Most Closely Related to the Project

1. **Asensio, O. I.** and Delmas, M. A. (2015) “Nonprice incentives and energy conservation.” *Proceedings of the National Academy of Sciences*, 112(6): E510-E515.
2. **Asensio, O. I.** and Delmas, M. A. (2017) “The effectiveness of U.S. energy efficiency building labels.” *Nature Energy*, 2: 17033.
3. **Asensio, O. I.** (2019) “Correcting consumer misperception.” *Nature Energy*, 4, 823-824.
4. **Asensio, O. I.**, Alvarez, K., Dror, A., Wenzel, E., Hollauer, C., & Ha, S. (2020) “Real-time data from mobile platforms to evaluate sustainable transportation infrastructure.” *Nature Sustainability*, 3: 463-471.
5. Ha, S., Marchetto, D. J., Dharur, S., and **Asensio, O. I.** (2021) “Topic classification of electric vehicle consumer experiences with transformer-based deep learning.” *Patterns*, 2: 100195.

Other Significant Products and Publications

1. **Asensio, O. I.**, Apablaza, C. Z., Lawson, M. C. and Walsh, S. E. "A field experiment on workplace norms and electric vehicle charging etiquette." (2021) Forthcoming at *Journal of Industrial Ecology*, Special Issue on Data Innovations.
2. Ha, S., Marchetto, D. J., Burke, M.E., and **Asensio, O. I.** (2020) "Detecting behavioral failures in emerging electric vehicle infrastructure using supervised text classification algorithms. *Transportation Research Board annual meetings*, 20-03461, Current Issues in Alternative Transportation Fuels and Technologies.
3. **Asensio, O. I.**, Mi, X. and Dharur, S. (2020) "Using machine learning techniques to aid environmental policy analysis: a teaching case regarding big data and electric vehicle charging infrastructure." *Case Studies in the Environment*, University of California Press, 4(1): 961302.
4. **Asensio, O. I.**, and Delmas, M.A. (2016) "The dynamics of behavior change: evidence from energy conservation." *Journal of Economic Behavior and Organization*, 126(A): 196-212.
5. Delmas, M.A., Fischlein, M and **Asensio, O.I.** (2013) "Information strategies and energy conservation behavior: A meta-analysis of experimental studies from 1975 to 2012" *Energy Policy*, 61: 729-739.

(d) Synergistic Activities

- Served as NSF Panelist for Social, Behavioral and Economic Sciences (SBE) Directorate (2019) and the Cyber-Physical Systems (CPS) Directorate (2019);
- Recipient of the National Science Foundation CAREER Award (2020); the Association for Public Policy Analysis and Management (APPAM) 40-for-40 fellowship for early career contributions to the field of public policy (2018);
- Recipient of the ONE-NBS Research Impact on Practice Award by the Academy of Management Organizations and the Natural Environment (ONE) Division (2015);
- Served as Co-Chair of the Machine Learning in Science and Engineering Conference (MLSE) Policy track sessions (2018, 2019);
- Broadening Participation: *Participant, The California Alliance*: NSF AGEP program to increase diversity in STEM.

Georgia Tech Sponsored Research Activity
(updated 1/27/21)

Dr. Omar I. Asensio

Totals: \$1.0 million as PI; \$4.0 million as PI or co-PI.

1. (PI) CAREER: Behavioral Analytics and Field Experiments in Sustainable Innovation Policies. **Sponsor: National Science Foundation**, 2020-2025, \$599,963 USD
2. (Co-PI) EFRI E3P: Plastics Recycling Processes by Integrating Mechanocatalytic Depolymerization, Monomer Purification, and Consumer Behavior, Emerging Frontiers in Research and Innovation. **Sponsor: National Science Foundation**, 2020-2024, Amount: \$1,999,999 USD
3. (Co-PI) CPS: Medium: Dynamic Pricing for Optimal Design of Sustainable Transportation Systems. **Sponsor: National Science Foundation**, 2019-2022, Amount \$1,018,602 USD
4. (PI) ESRI: Albany Civic Data Hub, **Sponsor: Environmental Systems Research Institute, Inc.**, 2019-2021, Amount \$378,000 USD
5. (PI) MSR: Microsoft Azure Sponsorship (IDEaS), Azure Computing Grant, **Sponsor: Microsoft Corporation**, 2020-2021, Amount \$18,000 USD

IRI Seed Grants

6. (PI) IDEaS: Uber Micro-mobility: Do electric scooters reduce traffic? **Institute for Data Engineering & Science**. Amount: 0.5 GRA support.
7. (Co-PI) GT Smart Cities: Civic Data Science for Equitable Development, City of Savannah, GA, **GT Smart Cities and Inclusive Innovation**, Amount: \$50,000 USD