

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	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
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(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., 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.

Other Significant Products and Publications

1. **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.
2. Marchetto, D.J., Ha, S., Dharur, S. and **Asensio, O.I.** (2020) “Extracting user behavior at electric vehicle charging stations with transformer deep learning models.” *CARMA 2020*, Internet and Big Data in Economics and Social Sciences. Valencia, Spain. (July 2020).
3. **Asensio, O.I.** and Walsh, S.E. (2018) “Mobile apps for workplace charging: A big data field experiment in electric vehicles” *Academy of Management Big Data Conference Proceedings: Managing in a Digital Economy*. Algorithmic Platform Strategies, Volume Surrey, UK (April 2018).
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.