Curriculum Vitae
Nicole D. Sintov

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School of Environment and Natural Resources
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Professional preparation

University of California, San Diego	Psychology/Ecology	B.S., 2005
University of Southern California	Psychology	M.A., 2008
University of Southern California	Psychology	Ph.D., 2011
University of Southern California	Sustainable Cities	Graduate Certificate, 2011
University of Southern California	Engineering	Postdoctoral Research Associate, 2011-2012

Appointments

2022-present	Associate Professor, The Ohio State University, School of Environment and Natural Resources
2017-2022	Assistant Professor, The Ohio State University, School of Environment and Natural Resources
2017-present	Core Faculty, The Ohio State University Sustainability Institute
2015-2016	Assistant Professor of Research, University of Southern California (USC) Sol Price School of Public Policy
2015-2016	Research Lead, USC Information Sciences Institute
2012-2015	Behavioral Scientist, USC Information Sciences Institute

Peer-reviewed journal publications

[+]Undergraduate student, *Graduate student, **Postdoc

Hurst, K., **Sintov, N.D., & Donnelly, G. (forthcoming). Increasing sustainable behavior through structured conversation. *Journal of Environmental Psychology, 86:* 101948. *doi.org/10.1016/j.jenvp.2022.101948*

Herziger, A., & **Sintov, N.D. (2023). Give it a try! Electric vehicle test drives influence symbolism perceptions and adoption intent. *Journal of Environmental Psychology, 85:* 101907. *DOI: 10.1016/j.jenvp.2022.101907*

Hurst, K.F., & **Sintov, N.D. (2022). Trusting autonomous vehicles as moral agents improves related policy support. *Frontiers in Psychology,* 13: 976023. *DOI: 10.1080/13669877.2022.2091002*

Sintov, N.D., & **Hurst, K.F. (2022). Experimental support for a trust heuristic. *Journal of Risk Research. DOI: 10.1080/13669877.2022.2091002*

White, L.V., Carrel, A., Shi, W., & **Sintov, N.D. (2022). Why are charging stations associated with electric vehicle adoption? Untangling effects in three United States metropolitan areas. *Energy Research and Social Science, 89:* 102663. DOI: 10.1016/j.erss.2022.102663

- Selected media coverage: Wired

Hurst, K., & **Sintov, N.D. (2022). Guilt consistently motivates pro-environmental outcomes while pride depends on context. *Journal of Environmental Psychology, 80:* 101776. /doi.org/10.1016/j.jenvp.2022.101776
- Selected media coverage: How to Save the World Podcast with Katie Patrick, Society for Personality and Social Psychology Character and Context

*Adams, I., **Hurst, K.F., & **Sintov, N.D.** (2020). Experienced guilt, but not pride, mediates the effect of feedback on pro-environmental behavior. *Journal of Environmental Psychology, 71:* 101476. doi.org/10.1016/j.jenvp.2020.101476

Sintov, N.D., *Abou-Ghalioum, V.K., & **White, L.V. (2020). The partisan politics of low-carbon transport: Why Democrats are more likely to adopt electric vehicles than Republicans in the United States. *Energy Research and Social Science, 68:* 101576. DOI: 10.1016/j.erss.2020.101576

White, L.V., & **Sintov, N.D. (2020). Health and financial impacts of demand-side response measures differ across sociodemographic groups. *Nature Energy, 5:* 50-60. doi:10.1038/s41560-019-0507-y
- Selected media coverage:
  - AARP, Scientific American, KJZZ/NPR, Daily Telegraph, SF Chronicle

Sintov, N. D., **White, L.V., & *Walpole, H. (2019). Thermostat Wars? The roles of gender and thermal comfort negotiations in household energy use behavior. *PLOS ONE,* 4(11): e0224198. doi:10.1371/journal.pone.0224198
- Selected media coverage:
  - CNN, featured on CNN Breakfast Browse, push notification to CNN-subscribed mobile devices, The Guardian, Daily Mail UK, National Post, WCAI/WGBH (NPR) Living Lab radio, CHQR radio's Rob Breakenridge show

Gomes, C., Dietterich, T., Barrett, C., Conrad, J. Dilkina, B., Ermon, S., Fang, F., Farnsworth, A., Fern, A., Fern, X., Fink, D., Fisher, D., Flecker, A., Freund, D., Fuller, A., Gregoire, J., Hopcroft, J., Kelling, S., Kolter, Z., Powell, W., **Sintov, N.,** Selker, J., Selman, B., Sheldon, D., Shmoys, D., Tambe, M., Wong, W.-K., Wood, C., Wu, X., Xue, Y., *Yadav, A., Yakabu, A., & Zeeman, M.L. (2019). Computational Sustainability: Computing for a better world and a sustainable future. *Communications of the Association for Computing Machinery, 62:* 20-29. DOI:10.1145/3339399

Sintov, N.D., Seyranian, & Lyet, A. (2019). Fostering adoption of conservation technologies: A case study with wildlife law enforcement rangers. *Oryx: The International Journal of Conservation, 53(3), 479-483.* doi: 10.1017/S0030605317001533

Sintov, N.D., *Geislar, S., & *White, L.V. (2019). The role of cognitive accessibility in pro-environmental behavioral spillover: Results from a community field experiment of household food waste management. *Environment and Behavior, 51,* 50-80. doi:10.1177/0013916517735638
- Selected media coverage: National Geographic

*White, L.V., & **Sintov, N. D.** (2018). Inaccurate consumer perceptions of monetary savings in a demand-side response programme predict programme acceptance. *Nature Energy, 3: 1101–1108.* doi: 10.1038/s41560-018-0285-y
  - Selected media coverage: LA Times, US New and world report, Utility Dive

Sintov, N.D., & Schuitema, G. (2018). Odd couple or perfect pair? Tensions and recommendations for social scientist-industry partnerships in energy research. *Energy Policy, 117,* 247-251.

doi:10.1016/j.enpol.2018.03.021

Ryutov, T., **Sintov, N.,** *Zhao, M., & John, R.J. (2018). Behavioral indicators of end-user compliance with organizational information security policies. *Journal of Information Privacy and Security, 13,* 260-281.

*White, L.,V.& **Sintov, N.** (2017). You are what you drive: Environmentalist and social innovator symbolism drive electric vehicle adoption intentions. *Transportation Research Part A: Policy and Practice, 99,* 94-113. doi.org/10.1016/j.tra.2017.03.008

Sintov, N.D., & Schultz, P.W. (2017). Adjustable Green Defaults Can Help Make Smart Homes More Sustainable. *Sustainability (special issue on Smart Homes), 9,* doi:10.3390/su9040622

Schuitema, G., & **Sintov, N.** (2017). Should we quit our jobs? Challenges, barriers, and recommendations for interdisciplinary energy research. *Energy Policy, 101,* 246-250. doi: 10.1016/j.enpol.2016.11.043

Sintov, N., *Kar, D., *Nguyen, T., *Fang, F., Hoffman, K., Lyet, A., & Tambe, M. (2017). Keeping it real: Using real-world problems to teach AI to Diverse Audiences. *Artificial Intelligence Magazine. doi: 10.1609/aimag.v38i2.2733*

*Chen, B., & **Sintov, N.D.** (2016). Bridging the gap between technology adoption and protecting natural resources: Predicting intentions to adopt energy management technologies in California. *Energy Research and Social Science, 22,* 210-223. doi: 10.1016/j.erss.2016.10.003

*Merrill, R. & **Sintov, N.D.** (2016). An affinity to commons model of public support for environmental energy policy. *Energy Policy, 99,* 88-99. doi: 10.1016/j.enpol.2016.09.048

Sintov, N.D., Dux, E., [+]Tran, A., & Orosz, M. (2016). What goes on behind closed doors? How college dormitory residents change to save energy during a competition-based energy reduction intervention. *International Journal for Sustainability in Higher Education, 17,* 451-470. doi: 10.1108/IJSHE-02-2015-0027

Konis, K., Orosz, M., & **Sintov, N.** (2016). A window into occupant-driven energy outcomes: leveraging sub-metering infrastructure to examine psychosocial factors driving long-term outcomes of short-term competition-based energy interventions. *Energy & Buildings,* 116, 206-217. doi:10.1016/j.enbuild.2016.01.005

*Kar, D., *Fang, F., **Delle Fave, F. M., **Sintov, N.,** Tambe, M., and Lyet, A. (2016). Comparing Human Behavior Models in Repeated Stackelberg Security Games: An Extended Study. *Journal of Artificial Intelligence, 240, 65-103.* doi: 10.1016/j.artint.2016.08.002

Sintov, N.D. & Schultz, P.W. (2015). Unlocking the potential of smart grid technologies with behavioral science. *Frontiers in Psychology, 6.* doi: 10.3389/fpsyg.2015.00410

> *Later reproduced as:*
> **Sintov, N.D.** & Schultz, P.W. (2016). Unlocking the potential of smart grid technologies with behavioral science. In T. Brosch, D. Sander, and M.K. Patel (Eds.), Understanding the human factor of the energy transition: Mechanisms underlying energy-relevant decisions and behaviors, Frontiers Media. Pp. 82-89. ISBN 2889198804, 9782889198801.

Sintov, N.D., & Prescott, C.A. (2012). The influence of social desirability and item priming effects on self-reported pro-environmental behavior. *Ecopsychology, 3*, 257-267. doi: 10.1089/eco.2011.0043

Sintov, N.D., Kendler, K.S., Young-Wolff, K.C., Walsh, D., Patterson, D.G., & Prescott, C.A. (2010). Empirically defined subtypes of alcohol dependence in an Irish family sample. *Drug and Alcohol Dependence*, *107,* 230-236. doi: 10.1016/j.drugalcdep.2009.11.003

Young-Wolff, K.C., Kendler, K.S., **Sintov, N.D.**, & Prescott, C.A. (2009). Mood-Related Drinking Motives Mediate the Familial Association Between Major Depression and Alcohol Dependence. *Alcoholism: Clinical and Experimental Research, 33*, 1476-1487. doi: 10.1111/j.1530-0277.2009.00978.x

Sintov, N.D., Kendler, K. S., Walsh, D., Patterson, D. G., & Prescott, C. A. (2009). Predictors of illicit substance dependence among individuals with alcohol dependence. *Journal of Studies on Alcohol and Drugs, 70,* 269-278. 10.15288/jsad.2009.70.269

Brown, S.A., Anderson, K.G., Schulte, M.T., **Sintov, N.D.** & Frissell, K.C. (2005). Facilitating youth self-change through school-based intervention. *Addictive Behaviors*, *30*, 1797-1810. doi: 10.1016/j.addbeh.2005.07.003

Editor-reviewed articles

White, L.V., & **Sintov, N.D. (2020) Varied health and financial impacts of time of-use energy rates across sociodemographic groups raise equity concerns. *Nature Energy, 5:* 16-17.

Book chapters

Doidge, M., Irwin, E., **Sintov, N., & Wilson, R. (2020). Human behavior and adaptation. In P. Saundry, & B. Ruddell (Eds.), Introduction to the Food-Energy-Water Nexus, Springer.

Sintov, N., Seyranian, V., & Tambe, M. (2018). Adoption of conservation technologies. In W. Moreto (Ed.), Wildlife Crime: From Theory to Practice, Temple University Press.

Peer-reviewed conference proceedings

Sintov, N., *Kar, D., *Nguyen, T., *Fang, F., Hoffman, K., Lyet, A., & Tambe, M. (2016). From the lab to the classroom and beyond: Extending a Game-Based Research Platform for Teaching AI to Diverse Audiences. Proceedings of the Association for the Advancement of Artificial Intelligence 6th *Symposium on Educational Advances in Artificial Intelligence*, 4107-4112. Palo Alto: AAAI Press.

*Gholami, S., *Wylder, B., **Brown, M., +Thomas, D., **Sintov, N.,** & Tambe, M. (2016). Divide to Defend: Collusive Security Games. Proceedings of the 7th International meeting on *Decision and Game Theory for Security*.

*Abbasi, Y.D., Ben-Asher, N., Gonzalez, C., Morrison, D., **Sintov, N.,** & Tambe, M. (2016). Adversaries Wising Up: Modeling Heterogeneity and Dynamics of Behavior. Proceedings of the 14th annual *International Conference on Cognitive Modeling*.

*Gholami, S., *Wylder, B., **Brown, M., **Sinha, A., **Sintov, N.,** & Tambe, M. (2016). SPECTRE: A Game Theoretic Tool for Preventing Collusion in Security Games (demonstration). Proceedings of the 15th annual *International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*.

*Gholami, S., *Wylder, B., **Brown, M., **Sinha, A., **Sintov, N.,** & Tambe, M. (2016). A Game Theoretic approach on addressing cooperation among human adversaries. *Proceedings of the 15th annual International Conference on Autonomous Agents and Multiagent Systems (AAMAS).*

*Abbasi, Y.D., Ben-Asher, N., Gonzalez, C., *Kar, D., Morrison, D., **Sintov, N.,** & Tambe, M. (2016). Know your adversary: Insights for a better adversarial behavioral model. Proceedings of the *38th Annual Conference of the Cognitive Science Society.*

*Ford, B., *Yadav, A., Singh., A., **Brown, M., **Sinha, A., Srivastava, B., Kiekintveld, C., **Sintov, N.,** & Tambe, N. (2016). NECTAR: Game-theoretic factory inspection scheduling and explanation for toxic wastewater abatement. *Proceedings of the 15th International Conference on Autonomous Agents and Multiagent Systems (AAMAS).*

*Kar, D., *Fang, F., **Delle Fave, F. M., **Sintov, N.,** & Tambe, M. (2016). Evaluating the robustness of SHARP: An adaptive human behavior model for repeated SSGs. *Proceedings of the 15th International Conference on Autonomous Agents and Multiagent Systems (AAMAS).*

Sintov, N.D., Orosz, M.D., & Schultz, P.W. (2015). Personalized Energy Reduction Cyber-Physical System (PERCS): A gamified end-user platform for energy efficiency and demand response. *Lecture Notes in Computer Science, 9189, 602-613.*

*Ford, B., *Nguyen, T., Tambe, M., **Sintov, N.,** & **Delle Fave, F. (2015). Beware the Soothsayer: From Attack Prediction Accuracy to Predictive Reliability in Security Games. Proceedings of the 2015 Conference on *Decision and Game Theory for Security, 9406.*

*Abbasi, Y.D., Short, M., **Sinha, A., **Sintov, N.,** Zhang, C. and Tambe, M. (2015). Human Adversaries in Opportunistic Crime Security Games: Evaluating Competing Bounded Rationality Models. Proceedings of the 3rd annual conference on *Advances in Cognitive Systems.*

*Kar, D., *Fang, F., **Delle Fave, F. M., **Sintov, N.,** **Sinha, A., Galstyan, A., An, B., & Tambe, M. (2015). Learning Bounded Rationality Models of the Adversary in Repeated Stackelberg Security Games. Proceedings of the 4th annual *Adaptive Learning Agents Workshop at the Conference on Autonomous Agents and Multiagent Systems (AAMAS-ALA).*

*Kar, D., *Fang, F., **Delle Fave, F. M., **Sintov, N.,** & Tambe, M. (2015). Conducting longitudinal experiments with behavioral models in repeated stackelberg security games on Amazon Mechanical Turk. Proceedings of the 4th annual *Human-Agent Interaction Design and Models Workshop at the Conference on Autonomous Agents and Multiagent Systems (AAMAS-HAIDM).*

*Kar, D., *Fang, F., **Delle Fave, F. M., **Sintov, N.,** & Tambe, M. (2015). A game of thrones: When human behavior models compete in repeated stackelberg security games. Proceedings of the *International Conference on Autonomous Agents and Multiagent Systems (AAMAS).*

*Kar, D., *Fang, F., **Delle Fave, F. M., **Sintov, N**., Tambe, M., & **van Wissen, A. (2015). Effectiveness of Probability Perception Modeling and Defender Strategy Generation Algorithms in Repeated Stackelberg Games. Proceedings of the 29th annual *Conference for the Advancement of Artificial Intelligence (AAAI).*

*Kwac, J., Tan, C.-W., **Sintov, N.,** Flora, J., & Rajagopal, R. (2013). Utility customer segmentation based on smart meter data: Empirical study. Proceedings of the *IEEE SmartGrid Comm meeting (pp. 720-725).*

Sintov, N.D, Desario, G., & Prescott, C.A. (2010). Effectiveness of a competition-based Intervention in

Promoting Energy Conservation in a University Residential Setting. *The climate for energy efficiency is now (pp.7-322 – 7-336)*. Washington, DC: American Council for an Energy Efficient Economy.

Extension articles

Scherer, H. H., Forbes, C. T., **Sintov, N.,** & Wang, H.-H. (2020). The Food-Energy-Water-Nexus: A new way to help students think about resource management in AFNR education. *The Agricultural Education Magazine, 92*(5), 5-8.

Manuscripts under review

Herziger, A., Carrel, A., & **Sintov, N.D. (revise and resubmit, *Energy Research and Social Science*). Stepping into the Driver's Seat: Identity Boosts Electric Vehicle Adoption through Proximal Symbolic Value.

Hurst, K.F., Carrel, A.L, Gore, C., & **Sintov, N.D. (under review, *Transit Behavior and Society*). Transit stories: How hearing about others' transit experiences impacts transit use decisions.

*Rye, J., & Sintov, N.D. (submitted). Predictors of electric vehicle adoption intent amongst rideshare drivers relative to commuters.

Selected conference and workshop presentations

Hurst, K., & **Sintov, N.D. (2022, June). *Guilt consistently motivates pro-environmental outcomes while pride depends on context.* Presented at the International Association for Society and Natural Resources annual meeting, San Jose, Costa Rica.

*Allen, J., Hurst, K., Rajagopal, D., **& Sintov, N.D.** (2022, June). *Predictors of Electric Vehicle Adoption Intentions in Rideshare Drivers Relative to the General Public.* Presented at the 3rd International Conference on Energy Research and Social Science conference, Manchester, United Kingdom.

*Hobbs, L., & **Sintov, N.D.** (2022, June). *The Roles of Affective Forecasting, Environmental Identity, and Behavioral Familiarity in Decisions Related to Pro-Environmental Behaviors.* Presented at the inaugural American Psychological Association Division 34 virtual conference.

Hurst, K., & **Sintov, N.D. (2022, February). *Trusting autonomous vehicles as moral agents improves related policy support.* Presented at the Society for Personality and Social Psychology annual meeting, San Francisco, CA.

*Allen, J., Hurst, K., Rajagopal, D., **& Sintov, N.D.** (2022, February). *Predictors of Electric Vehicle Adoption Intentions in Rideshare Drivers Relative to the General Public.* Presented at the Society for Personality and Social Psychology Sustainability Preconference. [virtual conference due to COVID-19].

Sintov, N.D., **Herziger, A., & Carrel, A. (2021, August). *Timing matters: Effect of symbolic value on EV adoption choices depends on proximity to purchase.* Presented at the American Psychological Association annual meeting [virtual conference due to COVID-19].

Herziger, A., & **Sintov, N.D. (2021, June). *It's not the car, it's the Driver: Identity based motivation in electric vehicle adoption.* Presented at the American Marketing Association annual Marketing + Public Policy Conference. [held virtually due to COVID-19].

Donnelly, G., **Hurst, K., & **Sintov, N.D.** (2021, March). *The Influence of Environmentally-Focused Conversations on Pro-Environmental Behavior.* Presented at the Society for Consumer Psychology annual conference. [virtual conference due to COVID-19].

Herziger, A., & **Sintov, N.D. (2021, February). *It's not the Car, It's the Driver: Identity Based Motivation in Electric Vehicle Adoption.* Presented at the Society for Personality and Social Psychology Sustainability Preconference. [virtual conference due to COVID-19].

Hurst, K., & **Sintov, N.D. (2020, August). *Exploring the effects of anticipated vs. experienced pride and guilt in response to carbon footprint feedback.* Presented at the American Psychological Association annual meeting [virtual conference due to COVID-19].

Sintov, N.D., **Hurst, K., & Donnelly, G. (2020, August). *The influence of environmentally-focused conversations on pro-environmental behavior.* Presented at the American Psychological Association annual meeting [virtual conference due to COVID-19].

Hurst, K., **Sintov, N.D., & Donnelly, G. (2020, June). *The influence of environmentally-focused conversations on pro-environmental behavior.* Presented at the International Symposium for Society & Resource Management [virtual conference due to COVID-19].

White, L.V., Carrel, A., & **Sintov, N.D. (2020, February). *An examination of the roles of infrastructure limitations versus consumer perceptions in electric vehicle adoption.* Presented at the annual International Association for Energy Economics Asia-Oceania meeting, Auckland, New Zealand.

Sintov, N.D., *Adams, I., & **White, L.V. (2019, November). *Letting go of the wheel: The nature and role of consumer trust in autonomous vehicle adoption decisions.* Presented at the 13th annual Behavior, Energy, and Climate Change meeting, Sacramento, CA.

White, L.V., Carrel, A., & **Sintov, N.D. (2019, November). *Limiting Range: Understanding How Need for Mobility Restricts Electric Vehicle Adoption*. Presented at the annual Association for Public Policy Analysis and Management meeting, Denver, CO.

Sintov, N.D., *Adams, I., & [+]Manaster, S. (2019, August). *Gender differences in pro-environmental behavior following carbon footprint feedback.* Presented at the American Psychological Association annual meeting, Chicago, IL.

*Lee, K., *Adams, I., **Sintov, N.,** & Bakshi, B. (2019, July). Food-Energy-Water Footprints of Household Consumption in Columbus, Ohio and Their Correlation with Demographic Characteristics. Presented at the *10th International Conference of the Society for Industrial Ecology*, Beijing, China.

White, L.V., & **Sintov, N.D. (2018, November). *Low-income household experiences with demand-side response: examining the balance of comfort and savings.* Presented at the 40th annual Association for Public Policy Analysis and Management meeting, Washington DC.

White, L.V., & **Sintov, N.D. (2018, October). *Low-income household experiences with demand-side response: examining the balance of comfort and savings.* Presented at the 12th annual Behavior, Energy, Climate Change meeting, Washington DC.

White, L.V., *Walpole, H., **Slagle, K., & **Sintov, N.D. (2018, October). *A typology of energy interactions within households.* Presented at the 12th annual Behavior, Energy, Climate Change meeting, Washington DC.

Sintov, N.D., **Slagle, K., & *Walpole, H. (2018, August). *When norms compete to influence household energy use.* To be presented at the American Psychological Association annual meeting, San Francisco, CA.

*Adams, I., & **Sintov, N.D.** (2018, August). *The Role of Trust in Feedback's Translation to Pro-Environmental Food-Energy-Water (FEW) Consumption.* Presented at the American Psychological Association annual meeting, San Francisco, CA.

*White, L.V., & **Sintov, N.** (2017, November). *Controlling household electricity loads: the effect of income and perceived control on TOU acceptance.* Presented at the 39th annual Association for Public Policy Analysis and Management meeting, Chicago, IL.

Sintov, N., & Schuitema, G. (2017, October). *Odd couple or perfect pair? Challenges and recommendations for industry-academic partnerships in energy research.* Presented at the 11th annual Conference on Behavior, Energy and Climate Change, Sacramento, CA.

Sintov, N., Geislar, S., & *White, L.V. (2017, August). The role of cognitive accessibility in pro-environmental behavioral spillover: Results from a community field experiment. Presented at the American Psychological Association annual meeting, Washington, DC.

Sintov, N., & Seyranian, V. (2017, July). Human dimensions of conservation technologies knowledge cafe. Presented at the International Congress for Conservation Biology, Cartagena, Colombia.

Schuitema, G., & **Sintov, N.** (2017, April). Should we quit our jobs? Challenges, barriers, and recommendations for interdisciplinary energy research. Presented at the 1st International Conference on Energy Research and Social Science, Sitges, Spain.

*Geislar, S., *White, L.V., & **Sintov, N.** (2017, April). Unintended Consequences of Food Waste Diversion: Whether and How Spillover Behaviors Improve Urban Environmental Impacts. Presented at the 47th Urban Affairs Association Meeting, Minneapolis, MN.

*Merrill, R. & **Sintov, N.D.** (2016, April). Tracing relationships between nested public goods and energy policy preferences. Presented at the 74th annual meeting of the *Midwest Political Science Association.*

Sintov, N., *Kar, D., *Nguyen, T., *Fang, F., Hoffman, K., Lyet, A., & Tambe, M. (2016, February). *From the lab to the classroom and beyond: Extending a Game-Based Research Platform for Teaching AI to Diverse Audiences.* Presented at the Association for the Advancement of Artificial Intelligence 6th Symposium on Educational Advances in Artificial Intelligence, Phoenix, AZ.

*White, L.V., +Manta, Z., & **Sintov, N.** (2016, January). *What does my EV say about me? The role of "identity badges" in electric vehicle adoption.* Presented at the Society for Personality and Social Psychology Sustainability Preconference, San Diego, CA.

*White, L.V., +Zadeh, A., & **Sintov, N.D**. (2015, August). *What drives EV Adoption: The Power of Image.* Presented at the Psychological Dimensions of "Green" Decision Making Panel of the American Psychological Association (APA) Division of Engineering Psychology and Society for Environmental Psychology at 2015 APA convention, Toronto, Canada.

Sintov, N.D., Orosz., M.D., & Schultz, P.W. (2015, August). *Personalized Energy Reduction Cyber-Physical System (PERCS): A gamified end-user platform for energy efficiency and demand response.* Presented at the 17th annual International Conference on Human-Computer Interaction, Los Angeles, CA.

Sintov, N.D., *Angulo, A., *Vezich, S., & Goldstein, N.J. (2013, November). *New directions in goal setting: The effects of action planning on electricity conservation.* Presented at the 7th annual conference on Behavior, Energy, and Climate Change, Sacramento, CA.

*Kwac, J., Tan, C.-W., **Sintov, N.,** Flora, J., & Rajagopal, R. (2013, October). *Utility customer segmentation based on smart meter data: Empirical study.* Presented at the IEEE SmartGrid Comm meeting in Vancouver, Canada.

Sintov, N.D, Karlin, B.M., & Ford, R. (2012, November). *Examining the Effects of Display Presentation.* Poster presented at the 6th annual Behavior, Energy, and Climate Change Meeting, Sacramento, CA.

Sintov, N.D, & Prescott, C.A. (2011, November). *Explaining change in pro-environmental behavior based on the Theory of Planned Behavior and Norm Activation Model.* Poster presented at the 5th annual Behavior, Energy, and Climate Change Meeting, Washington, DC.

Sintov, N.D, & Prescott, C.A. (2011, August). *The influence of social desirability and item priming effects on retrospective reports of pro-environmental behavior.* Poster presented at the 119th Annual Convention of the American Psychological Association, Washington, DC.

Sintov, N.D, Desario, G., & Prescott, C.A. (2010, August). *Effectiveness of a competition-based Intervention in Promoting Energy Conservation in a University Residential Setting.* Presented at the 2010 American Council for an Energy Efficient Economy Summer Study on Energy Efficiency in Buildings: The climate for energy efficiency is now, Asilomar, CA.

Selected invited talks

Sintov, N. (scheduled- 2023, March). The Ohio State University John Glenn College of Public Affairs

Sintov, N. (scheduled- 2023, April). University of Nevada at Las Vegas Department of Psychology.

Sintov, N. (2020, October). The role of conversation content and dynamics in sustainability behavior. Invited as one of 3 speakers in a symposium at the annual conference of the Society of Experimental Social Psychology, Madison, WI. This presentation was invited by the conference committee. Due to the COVID-19 pandemic, the conference was cancelled, and I was not able to give this presentation.

Sintov, N. (2019, December). *The nature and role of consumer trust in autonomous vehicle adoption.* Presented at the OSU Center for Automotive Research Consortium Member annual meeting, Detroit, MI.

Sintov, N. (2018, November). *The importance of consumer perceptions for the acceptance of energy management technologies and programs.* Presented at the Mid-Ohio Regional Planning Commission, Columbus OH.

Sintov, N. (2018, October). *Getting more from behavior change programs with social science theory.* Presented as part of U.S. Department of Energy-led symposium, "How Do Renewable Energy and Energy Efficiency Decisions Differ, and Where Do They Find Common Ground?" at the 12th annual Behavior, Energy, Climate Change meeting, Washington DC.

Sintov, N. (2018, February). *Results from a Field Experiment on Pro-Environmental Spillover.* Presented at the Society for Personality and Social Psychology Sustainability Preconference, Atlanta GA.

Sintov, N. (2017, December). *CompSust+: Technology transition, adoption, and use.* CompSustNet virtual webinar.

Sintov, N. (2017, October). *Reducing carbon footprints at the household level in California.* Presented at the 3rd Annual Tsingua University – Hertie School of Governance – USC Energy Policy Exchange Forum, Los Angeles CA.

Sintov, N. (2017, September). *Theory + Practice for Pro-environmental Behavior Change*. Presented at OSU's School of Environment and Natural Resources FA seminar series, Columbus, OH.

Sintov, N. (2017, July). *Human dimensions of conservation technologies*. Presented at the Conservation Technology Think Tank Short Course, International Congress for Conservation Biology, Cartagena, Colombia.

Sintov, N. (2017, July). *Shaping the human-technology nexus in the energy transition: The role of identity.* Presented at the 4th Annual Summer School on Environmental Psychology, Dublin, Ireland.

Sintov, N. (2017, March). *Consumer behavior and new technology*. The Ohio State University Center for Automotive Research External Advisory Board meeting.

Sintov, N. (2017, January). *Innovations at the human-technology nexus: Emerging strategies for energy management and wildlife security*. Rice University Department of Civil and Environmental Engineering.

Sintov, N. (2016, October). *Reducing carbon footprints at the household level in California.* Presented at the 2nd Annual Tsingua University – Hertie School of Governance – USC Energy Policy Exchange Forum, Berlin, Germany.

Sintov, N.D. (2015, November). *Behavioral Science in the Smart Grid*. Presented at the 1st Annual Tsingua University – Hertie School of Governance – USC Energy Policy Exchange Forum. Beijing, China.

Research support

At OSU, my research program has been funded by a variety of internal and extramural sources, including the National Science Foundation, industry (e.g., Ford Motor Company, Coca-Cola), and foundations (e.g., Environmental Law Institute). In total, I have been PI or Co-PI on more than $14.1 million in grant procurement, with $10.5 million going to collaborator institutions and $3.6 million to OSU. Of this, $1.2M was allocated directly to me ($1,055,446 extramural, $132,000 internal).

PI: Barriers and motivators to residential solar adoption; 2/2023-8/2023; Interstate Gas Supply (IGS) Energy. $92,109 awarded, all to me.

Co-PI: EFRI E3P: Sustainable and Circular Engineering for the Elimination of End-of-life Plastics: A Framework for Assessment, Design, and Innovation; 10/1/20-9/30/24; National Science Foundation (PI: Bakshi, OSU). $2,000,000 awarded; $346,441 directly to me.

Co-PI: Increasing the use of reverse vending machines through incentives and consumer choice; 8/2020-6/2022; The Coca-Cola Company (PI: Donnelly, OSU). $667,691 awarded; $333,846 directly to me.
- Selected media coverage: There's a Better Way podcast 2020, Columbus Dispatch 2022

Co-PI: Evaluating Smart Columbus Multi-Model Trip Planning and Payment Application Impacts; 10/1/19-12/31/20; OSU/City of Columbus/US Dept. of Transportation. $264,609 awarded, $86,668 directly to me.

Co-PI: INFEWS RCN: Cultivating a National Collaborative for Research on Food, Energy, and Water Education (NC-FEW); 9/1/19-8/31/24; US National Science Foundation (PI: Cory Forbes, University of Nebraska at Lincoln). $749,964 awarded, $44,766 directly to me.

Sr. Personnel: NRT-HDR: Convergent Graduate Training and EmPOWERment for a Sustainable Energy Future; 9/1/19-8/31/24; US National Science Foundation (PI: Shiosansi, OSU). $2,980,383 awarded; $4,953 directly to me.

Co-PI: Eliciting ridesourcing drivers' preferences and perceptions of electric vehicles; 1/2019-11/2019; UCLA (PI: Rajagopal, UCLA). $35,000 awarded; $23,308 directly to me.

Faculty PI: Disrupting Contamination: Breaking Habit through Digital Technology and Self-Monitoring Cues; 1/2019-5/2020; OSU Decision Sciences Collaborative (Awardee: Atar Herziger, OSU postdoctoral mentee).

PI: Understanding and improving consumer trust in autonomous vehicles, 2018-2019; OSU Center for Automotive Research. $80,000 awarded directly to me.

PI: Investigating and quantifying household-level food (F)- energy (E) – water (W) footprints (FEWprints), 2017-2018; OSU Sustainable and Resilient Economies. $50,000 awarded directly to me.

Co-PI: Affordability of transportation in the context of current and near-term consumer financial and technological trends; 1/2018-12/2019; Ford Motor Company (PI: Carrell, OSU). $211,154 awarded; $8,121 directly to me,

Co-PI: CompSustNet: Expanding the Horizons of Computational Sustainability, 2015-2020; National Science Foundation (PI: Gomes, Cornell University). ~$10,000,000 awarded; $119,523 directly to me.

Co-PI: Innovating Teaching and Learning in the Nexus: Capacity-Building for Undergraduate Food, Energy, & Water Education; 3/2018-2/2019; USDA-NIFA (PI: Forbes, UNL).

Faculty PI: The Role of Peripheral Cues in Behavioral Response to Feedback for Food-Energy-Water Footprints (FEWprints); 1/2018-5/2019; OSU Decision Sciences Collaborative (Awardee: Ian Adams, OSU master's advisee).

Co-PI: Protection Assistant for Wildlife Security (PAWS) 2.0 field work grant, 2015; World Wildlife Fund (PI: Lyet, WWF).

PI: Smart Grid Customer Behavior Project Electric Vehicle Adoption project, 2014-2015; Los Angeles Department of Water and Power.

Co-PI: Scalable, Stochastic and Spatiotemporal Game Theory for Real-World Human Adversarial Behavior, 2015-2016; Department of Defense Multidisciplinary Research Program of the University Research Initiative (PI: Tambe, USC).

Awards and honors

- OSU [Excellence in Undergraduate Research Mentoring](#) award, 2019
- Excellence in Reviewing award, Journal of *Resources, Conservation, and Recycling,* 2017
- Finalist, American Association for the Advancement of Sustainability in Higher Education Research Award, Schuitema, G., & **Sintov, N.** (2017). Should we quit our jobs? Challenges, barriers, and recommendations for interdisciplinary energy research. *Energy Policy, 101,* 246-250.
- Best Innovative Application of Artificial Intelligence, Association for the Advancement of Artificial Intelligence 2016 video contest. Fang, F., *Kar, D., *Thomas, D., **Sintov, N.** & Tambe, M. Save the Wildlife, Save the Planet: Protection Assistant for Wildlife Security (PAWS).
- Nominee, 2016 Resonate Award, Cal Tech Resnick Sustainability Institute

Teaching

OSU School of Environment and Natural Resources
- Theories in Environmental Social Sciences (ENR 6400); Instructor; FA 2020, FA 2021
- Sustainability Psychology (ENR 8890.06/7430); Instructor; SP 2018, SP 2019, SP 2022
- Interventions to Promote Pro-Environmental Behavior (ENR 5400): Instructor, FA 2018, FA 2019, FA 2020, FA 2021, SP 2023
- Promoting Pro-Environmental Behavior (ENR 5194); Instructor; FA 2017
- Undergraduate Directed Research (ENR 4998); Faculty supervisor; FA 2017, SP 2019, FA 2019, SP 2020, SP 2021, FA 2021, SP 2022
- Undergraduate Research Distinction (ENR 4999); Faculty supervisor; SP 2019, SUM 2019, FA 2019

Invited Lecturer, 4th International Summer School on Theories in Environmental Psychology (STEP), University College Dublin, 2017

USC Environmental Studies Program
- Directed Research (ENST 490); Faculty Advisor; FA 2015
- Introduction to Environmental Studies (ENST 100); Instructor; FA 2014 (two sections)

USC Department of Psychology
- Conservation Psychology (PSYC 456); Instructor; FA 2014, FA 2015
- Direct Field Experiences in Psychology (PSYC 391); Faculty Advisor; FA 2014
- Directed Research (PSYC 490); Faculty Advisor; SP 2014

Student research supervision

Postdoctoral scholars
Primary supervisor, Dr. Kristin Hurst, OSU SENR, 2019-2021
Co-supervisor, Dr. Atar Herziger, OSU SENR, 2018-2021
Primary supervisor, Dr. Lee White, OSU SENR, 2018-2019

Graduate students

Primary research supervisor					
Student	Degree	University	Dept.	Dates	Thesis/Dissertation Title

Last updated: 1.30.23

[1]Jessica NeJame	MS	OSU	SENR	FA 2022-present	Gender identity and pro-environmental behavior
[1]Jaime Lucas	MS	OSU	SENR	FA 2021-present	The effects of messenger traits on consumer acceptance of residential solar panels
[1]Naseem Dillman-Hasso	PhD	OSU	SENR	FA 2021-present	TBD
[1]Samantha Mertens	PhD	OSU	SENR	FA 2020-present	Social moral licensing
[1]Jamie Allen	PhD	OSU	SENR	FA 2020-present	Spillover for food choices
[1]Logan Hobbs	MS	OSU	SENR	FA 2020-SP 2022	The Roles of Affective Forecasting, Environmental Identity, and Behavioral Familiarity in Decisions Related to Pro-Environmental Behaviors
[1]Ian Adams	MS	OSU	SENR	FA 2017-SP 2019	Pride, Guilt, and Pro-Environmental Behavior: The Role of Experienced Self-Conscious Emotions in an Individual's Response to Carbon Footprint Feedback

Thesis and dissertation committees

Student	Degree	University	Dept.	Dates	Thesis/Dissertation Title
[2]Gillian Chesnut	MS	OSU	SENR	2022-present	Teasing Out the Effects of Industrialized Agriculture on Conservation Practice Adoption
[2,3]Ben Mertus	PhD	OSU	Anthropology	2021-present	Identities among Atikamekw Nation people amidst eco-tourism development
[2,3]Brian Capobianco	PhD	OSU	SENR	2021-present	TBD
[2]Jaden Tatum	PhD	OSU	FABE	2020-present	TBD
[2]Tiffany Williams	MS	OSU	SENR	2020	Race, Religion, and Environmental Concern Among Black and White Americans
[2,3]Emily Walpole	PhD	OSU	SENR	2017-2019	A Construal-Based Examination of the Climate Change - Hazard Interface
[2,3]Hugh Walpole	PhD	OSU	SENR	2017-2019	Reperceiving Perceived Risk: Examining the Psychological Structure of Risk Perception

[2]Lee White	PhD	USC	Urban Planning	2015-2018	Household carbon footprints: how to encourage adoption of emissions-reducing behaviors and technologies
[3]Ben Ford	PhD	USC	Computer Science	2014-2016	Real-World Evaluation and Deployment of Wildlife Crime Prediction Models
[2,3]Yasaman Abbasi	PhD	USC	Industrial & Systems Engineering	2014-2016	Modeling Human Bounded Rationality in Opportunistic Security Games

[1] Dissertation or Thesis Chair
[2] Dissertation or Thesis Committee
[3] Qualifying/Candidacy Exam Committee

Service

Service to SENR
- Director, Environmental and Social Sustainability Lab, FA 2021-present
- Steering Committee member, Environmental and Social Sustainability Lab, 2017-2021
- Committee Member, OSU School of Environment and Natural Resources Graduate Studies Committee, 2021-present
- Member, Director Search Committee, OSU School of Environment and Natural Resources Graduate Studies Committee, 2021-2022
- Committee Member, OSU School of Environment and Natural Resources Honors and Scholarships Committee, 2017-2021
- Founding co-chair, OSU School of Environment and Natural Resources Task Force on Diversity, Inclusion, Justice, and Equity (DIJE), 2017-2020
- Lead, Human Dimensions of Sustainability track, MENR curriculum redesign ad-hoc committee

Service to the College of Food, Agricultural, and Environmental Sciences service
- Member, Workgroup to Clarify College Programmatic Priorities, 2022
- Awards judge, CFAES Undergraduate Research Forum, 2019, 2020, 2021, 2022

Service to OSU
- Panelist, Success at Ohio State workshop, 2021, 2022
- Decision Sciences Collaborative Steering Committee member, 2022-present
- Denman Undergraduate Research Forum Advisory Council member, 2019-2021
- Committee member, OSU Smart Campus Faculty Engagement Group, 2018-2020
- Denman Undergraduate Research Forum, Awards judge, 2021, 2019, 2018 [Office of Energy and Environment]

Service to the profession
- Ad-hoc proposal reviewer, National Science Foundation, U.K. Economic and Social Research Council, Social Science and Humanities Research Council of Canada
- Reviewer for the following journals: *Nature Energy, Nature Communications, Journal of Environmental Psychology, Energy Efficiency, Energy Research and Social Science, Energy Policy, Energy Economics, Risk Analysis, Review of General Psychology, Conservation Biology, Conservation Letters, Journal of Industrial Ecology, Journal of Environmental Planning and Management, Environment Systems and Decisions, International Journal of Sustainability in*

Higher Education, Resources Conservation and Recycling, Journal of Marketing Management, Journal of Industrial Ecology
- Review Editor, 2018-2020, *Frontiers in Environmental Psychology*

Service to the community
- Committee member, [The Role of Net Metering in the Evolving Electricity System](#), The National Academies of Science, Engineering, and Medicine, 2022-2023
- Consulted with Dept of Energy Solar Energy Technologies Office on [Solar Energy Evolution and Diffusion Studies (SEEDS)](#) program, April 2019
- Advisory Board member, Smart Columbus Consumer Adoption project, 2017-2021
- Advisory Committee member, Mid-Ohio Regional Planning Commission Franklin County Energy Study, 2017-2018
- Research Committee Member, Smart Grid Consumer Collaborative, 2014-2016
- Advisor, United States National Center for Education Research, Behavioral Sciences Research Agenda, 2011

Conference and workshop organization
- Committee member, 2021 Society for Personality and Social Psychology Sustainability Preconference
- Past-Chair, 2020 Society for Personality and Social Psychology Sustainability Preconference
- Chair, 2019 Society for Personality and Social Psychology Sustainability Preconference
- Lacasse, K. (chair), & **Sintov, N.D.** (co-chair), with panelists Chopik, W., Dupree, C., Matz, S., & Wood, W. (2020, February). *How to build a successful academic career with interdisciplinary research.* Presented at the Society for Personality and Social Psychology annual meeting, New Orleans, LA.
- Program committee member, 2019, 2020, 2021, 2022, Behavior Energy and Climate Change (BECC) conference
- Co-chair, USC Environmental Sustainability Research Network Workshop on Emerging Perspectives in Environmental Decision-Making, 2015

Professional memberships
- Society for Environmental, Population, and Conservation Psychology (American Psychological Association Division 34)
  - Treasurer (elected), 2019-2022
  - Member, 2009-present
- Applied Experimental and Engineering Psychology Division, American Psychological Association, member, 2013-present
- Society for Personality and Social Psychology, member, 2016-present