

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

2017-present, Assistant Professor, Ohio State University, School of Environment and Natural Resources

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

2014-2016, Lecturer, USC Department of Psychology

2014-2015, Lecturer, USC Environmental Studies Program

2012-2015, Behavioral Scientist, USC Information Sciences Institute

Peer-reviewed journal publications

*Student mentored by N. Sintov

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

Sintov, N.D., Seyranian, & Lyet, A. (2018). Fostering adoption of conservation technologies: A case study with wildlife law enforcement rangers. *Oryx: The International Journal of Conservation*.

Sintov, N.D., Geislar, S., & *White, L. (2017). The role of cognitive accessibility in pro-environmental behavioral spillover: Results from a community field experiment of household food waste management. *Environment and Behavior*. <https://doi.org/10.1177/0013916517735638>

*White, L., & **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). Making smart homes more sustainable with adjustable green defaults. *Sustainability special issue on the Advent of Smart Homes*, 9, doi:

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.

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*.

*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.

*Merrill, R. & **Sintov, N.D.** (2016). An affinity to commons model of public support for clean energy policy. *Energy Policy*, *99*, 88-99.

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.

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. *Journal of Energy & Buildings*, 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.org/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

Sintov, N.D., & Prescott, C.A. (2012). The influence of impression management and item priming effects on self-reported pro-environmental behavior. *Ecopsychology*, *3*, 257-267.

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.

Young-Wolff, K.C., Kendler, K.S., **Sintov, N.D.**, & Prescott, C.A. (2009). Drinking to improve mood partially mediates the association between major depression and alcohol dependence. *Alcoholism: Clinical and Experimental Research*, *33*, 1476-1487.

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.

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.

Peer-reviewed book chapters

Sintov, N., Seyranian, V., & Tambe, M. (in press). Adoption of conservation technologies. "Wildlife Crime: From Theory to Practice". Moreto, E., Ed.

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 meeting on *Decision and Game Theory for Security*.

*Gholami, S., Wylder, B., Brown, M., *Thomas, D., **Sintov, N.**, & Tambe, M. (2016). Divide to Conquer: Toward Addressing Collusion among Human Adversaries in Security Games. Proceedings of the 22nd *European Conference on Artificial Intelligence*.

*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., Wilder, 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)*.

*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*.

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.

Fang, F., Nguyen, T., *Ford, B., **Sintov, N.**, & Tambe, M. (2015). Introduction to Green Security Games. Proceedings of the 24th *International Joint Conference on Artificial Intelligence (IJCAI)* Workshop on Cognitive Knowledge Acquisition and Applications.

- *Ford, B., Nguyen, T., **Sintov, N.**, Tambe, M., & Delle Fave, F. (2015). Beware the Soothsayer: Evaluating the Reliability of Attack Predictions in Stackelberg and Network 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*.
- *Ford, B., Nguyen, T., Tambe, M., **Sintov, N.**, & Delle Fave, F. (2015). An Empirical Evaluation of Bounded Rationality Models in Network Security Games. Proceedings of the 24th *International Joint Conference on Artificial Intelligence Workshop on Behavioral, Economic, and Computational Intelligence for Security (IJCAI-BECIS)*.
- *Abbasi, Y.D., Short, M., Sinha, A., **Sintov, N.**, Zhang, C., & Tambe, M. (2015). Human Adversaries in Opportunistic Crime Security Games: How Past success (or failure) affects future behavior. International Joint Conference on Artificial Intelligence, Workshop on Behavioral, Economic, and Computational Intelligence for Security (IJCAI-BECIS).
- *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 Web-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.

Papers under review

Sintov, N.D., & Schuitema, G. (revise and resubmit under review). Odd couple or perfect pair? Tensions and opportunities in academia-industry collaborations. *Energy Policy*.

*White, L., & **Sintov, N.** (under review). Perceived savings overpowers actual savings in household participation in demand-side response. *Nature Energy*.

Working papers

Schuitema, G., & **Sintov, N.** If you build it, will they come? Energy technology mythology.

*White, L., & **Sintov, N.** (2017, November). The roles of household income and thermal comfort sacrifice in demand side response.

Peer-reviewed conference and workshop presentations

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*. To be presented at the American Psychological Association annual meeting, San Francisco, CA.

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

*Gholami, S., Wylder, B., Brown, M., *Thomas, D., **Sintov, N.**, & Tambe, M. (2016, November). Divide to Defend: Collusive Security Games. Presented at the 7th meeting on *Decision and Game Theory for Security*, New York, NY.

*Gholami, S., Wylder, B., Brown, M., *Thomas, D., **Sintov, N.**, & Tambe, M. (2016, September). Divide to Conquer: Toward Addressing Collusion among Human Adversaries in Security Games. Presented at the 22nd *European Conference on Artificial Intelligence*, The Hague, Netherlands.

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

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

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

*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., *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.

*Abbasi, Y.D., *Kar, D., Sinha, A., **Sintov, N.**, Tambe, M., Fang, F., Nguyen, T., Brown, M., & Zhang, C. (2015, December). *Modeling human bounded rationality*. Presented at the Society for Risk Analysis (SRA) annual meeting, Arlington, VA.

*Ford, B., Nguyen, T., **Sintov, N.**, Tambe, M., & Delle Fave, F. (2015, Nov). *Beware the Soothsayer: Evaluating the Reliability of Attack Predictions in Stackelberg and Network Security Games*. Presented at the 6th annual conference on Decision and Game Theory for Security (GameSec), London, UK.

*White, L., *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.

*Ford, B., Nguyen, T., Tambe, M., **Sintov, N.**, & Delle Fave, F. (2015, July). *An Empirical Evaluation of Bounded Rationality Models in Network Security Games*. Presented at the 24th annual International Joint Conference on Artificial Intelligence, Workshop on Behavioral, Economic, and Computational Intelligence for Security (IJCAI-BECIS). Buenos Aires, Argentina.

*Abbasi, Y.D., Short, M., Sinha, A., **Sintov, N.**, Zhang, C., & Tambe, M. (2015, May). *Human Adversaries in Opportunistic Crime Security Games: How Past success (or failure) affects future behavior*. Presented at the 24th annual International Joint Conference on Artificial Intelligence, Workshop on Behavioral, Economic, and Computational Intelligence for Security (IJCAI-BECIS). Buenos Aires, Argentina.

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

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

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

*Kar, D., Fang, F., Delle Fave, F. M., **Sintov, N.**, Tambe, M., & van Wissen, A. (2015, May). *A game of thrones: When human behavior models compete in repeated stackelberg security games*. Presented at the 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Istanbul, Turkey.

*Kar, D., Fang, F., Delle Fave, F. M., **Sintov, N.**, Tambe, M., & van Wissen, A. (2015, January). *Effectiveness of Probability Perception Modeling and Defender Strategy Generation*

Algorithms in Repeated Stackelberg Games. Presented at the 29th Conference of the Association for the Advancement of Artificial Intelligence (AAAI), Austin, TX.

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.

Lennon, E., **Sintov, N.D.**, & Orosz, M.D. (2013, October). *Campus Attitudes toward Energy Usage, Efficiency, and Emerging Technologies*. Presented at the Association for the Advancement of Sustainability in Higher Education annual meeting, Nashville, TN.

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 Web-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.

Sintov, N.D., Kendler, K.S., Young-Wolff, K.C., Walsh, D., Patterson, D.G., & Prescott, C.A. (2009, June). *Subtypes of alcohol dependence based on comorbid psychopathology*. Poster presented at the 32nd Annual Meeting of the Research Society on Alcoholism, Alcoholism: Clinical and Experimental Research, San Diego, CA.

Sintov, N. D., Kendler, K. S., Sullivan, P. F., Walsh, D., Patterson, D. G., & Prescott, C. A. (2007, June). *Predictors of illicit substance dependence among individuals with alcohol dependence*. Poster presented at the 30th Annual Meeting of the Research Society on Alcoholism, Alcoholism: Clinical and Experimental Research, Chicago, IL.

Phelps, J., Whisenhunt, N., **Sintov, N.**, Day., M, & Singley, D. (2005, April). *Web Assessment and Peer Educator Motivational Interviewing with Mandated Students*. Presented at The Fourth Annual California State University Alcohol Conference 2005: Creative Leadership in Alcohol Prevention on College Campuses, San Jose, California.

Invited talks and guest lectures

Sintov, N. (2018, February). *Results from a Field Experiment on Pro-Environmental Spillover*. To be 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 Fall 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. (2016, July). *At the human-technology nexus: Fostering wildlife security with Conservation Psychology*. 4th International Conference on Computational Sustainability, Ithaca, NY.

Sintov, N. (2016, April). *Using games to enhance engagement in classroom settings and beyond*. USC Center for Excellence in Teaching – Division of Engineering Education Engaged Learning Series.

Sintov, N. (2016, April). *Innovations at the human-technology nexus: Emerging strategies for energy management and wildlife security*. The Ohio State University School of Environment and Natural Resources.

Sintov, N. (2016, April). Technology, behavior, and sustainability. Cal Poly Pomona Experimental Psychology course.

Sintov, N. (2016, February). *Challenges in deploying game-theoretic decision aids for security: Using games to facilitate the lab-to-field transition*. U.S. Chief of Naval Operations Strategic Studies Group workshop.

Sintov, N. (2016, February). *Getting to know your adversary: The role of psychological modeling in cybersecurity contexts*. USC- U.S. Army Research Office cybersecurity workshop.

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

Sintov, N.D. (Fall 2015) The Social Science of Climate Change. USC Environmental Governance and Sustainability course.

Sintov, N.D. (2015, June). *New considerations in wildlife protection: Perspectives from Conservation Psychology*. Presented at the 2nd Conference on Conservation, Computation, and Criminology (C4), Washington, DC.

Sintov, N.D. (2014, September). *Behavioral Science in Data-Aware Energy Applications*. Presented at Rutgers Center For Discrete Mathematics and Theoretical Computer Science Special Program: Mathematics of Planet Earth 2013+ Workshop on Data-aware Energy Use Meeting, San Diego, CA.

Sintov, N.D. (Fall 2014). Using Psychology to Build a Sustainable Future. USC Teamcore Research Group seminar.

Sintov, N.D. (Fall 2014). Cognitive Errors in Environmental Decision-Making. Cal Poly Pomona Environmental Psychology course.

Sintov, N.D. (Spring 2014). Emerging Behavioral Approaches to Demand Response. Cal State San Marcos Social Psychology Lab seminar.

Sintov, N.D. (Spring 2014). Tools of Behavior Change. USC Sustainable Infrastructures course.

Sintov, N.D. (Spring 2013). An Evolutionary Perspective on Cooperation in Social Groups. Cal State San Marcos Graduate Seminar in Social Psychology.

Sintov, N.D. (Spring 2013). The Research Silo: Integrating Research and Outreach. S. Groner Associates seminar.

Sintov, N.D. (Fall 2011). Real-World Applications of Conservation Psychology. USC Conservation Psychology course.

Research support

PI Investigating and quantifying household-level food (F)- energy (E) – water (W) footprints (FEWprints), 2017-2018; OSU Sustainable and Resilient Economies.

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).

Co-PI: CompSustNet: Expanding the Horizons of Computational Sustainability, 2015-2020; National Science Foundation (PI: Gomes, Cornell University).

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); 1/2018-3/2019; OSU Decision Sciences Collaborative (Awardee: Ian Adams, OSU master's advisee).

Co-PI: EAGER: Safer Connected Communities Through Integrated Data-Driven Modeling, Learning, and Optimization, 2016-2017; National Science Foundation (PI: Prassana, USC).

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

- 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
- 2nd place Social Sciences Award (2016), USC Undergraduate Symposium for Scholarly and Creative Work, *Sarah Weingust & Nicole Sintov, The Political Power of Dissonance: How liberals and conservatives respond to induced dissonance around the issue of climate change.

Teaching and advising

OSU School of Environment and Natural Resources

- Advanced Theories in Conservation Psychology (ENR 8890.06); Instructor; Spring 2018
- Promoting Pro-Environmental Behavior (ENR 5194); Instructor; Fall 2017
- Undergraduate Directed Research (ENR 4998); Faculty Advisor; Fall 2017

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; Fall 2015
- Introduction to Environmental Studies (ENST 100); Instructor; Fall 2014 (two sections)

USC Department of Psychology

- Conservation Psychology (PSYC 456); Instructor; Fall 2014, Fall 2015
- Direct Field Experiences in Psychology (PSYC 391); Faculty Advisor; Fall 2014
- Directed Research (PSYC 490); Faculty Advisor; Spring 2014
- Social Psychology (PSYC 355); Teaching Assistant; Spring 2009
- Introduction to Psychology (PSYC 100); Teaching Assistant; Fall 2007, Fall 2008
- Introduction to Clinical Psychology (PSYC 361); Teaching Assistant; Spring 2008

Student mentorship

- **Doctoral mentees**
 - ¹Emily Walpole, OSU SENR, 2017-present
 - ¹Hugh Walpole, OSU SENR, 2017-present
 - ¹Ben Ford, USC Computer Science, 2014-2016
 - ²Lee White, USC Urban Planning and Development, 2015-present
 - ^{1, 2}Yasaman Abbasi, USC Industrial and Systems Engineering, 2014-2016
 - Ryan Merrill, USC Public Policy, 2015-2016
 - Debarun Kar, USC Computer Science, 2014-2016
 - Shahrzad Gholami, USC Industrial and Systems Engineering, 2015- 2016
 - Blake Cignarella, USC Industrial and Systems Engineering, 2014-2015
 - ¹Qualifying Exam Committee
 - ²Dissertation Committee
- **Master's mentees**
 - ³Ian Adams, OSU SENR, Fall 2017-present
 - Bingye Chen, USC Economics, Summer 2014- Spring 2015
 - ³Master's Thesis Chair

- **Undergraduate mentees**
 - Honors thesis committees
 - Mara Momenee, OSU SENR, Spring 2017
 - Jennifer Satterfield, OSU SENR, Fall 2017
 - Provost Fellow
 - Sarah Weingust, USC Psychology / Entrepreneurship, Spring 2016 (began as SOAR student Fall 2015)
 - Student Opportunities for Academic Research (SOAR) Program
 - Jori Barash, USC Economics, Fall 2015
 - Summer Undergraduate Research Fund (SURF) Program
 - Elliott Wezerek, USC Summer 2016 (began as SOAR student Spring 2016)
 - Directed Research in Environmental Science
 - Kelly Ahearne, Fall 2017
 - Directed Research in Environmental Studies
 - Zach Manta, USC Environmental Studies / Psychology, Fall 2015 (began as SOAR student in Fall 2014)
 - Directed Research in Psychology
 - Diana Dai, Psychology, Spring 2014
 - Agassi Tran, USC Psychology, Spring 2014-Spring 2015 (continued as grant-funded research assistant Summer 2014-Spring 2015)
 - Undergraduate Research Associates Program
 - Tina Khiani, USC Psychology, Fall 2009-Spring 2010
 - Neelam Savla, USC Psychology Fall 2009-Spring 2010
 - Additional undergraduate mentees
 - Sarah Miles, OSU SENR, Fall 2017-present
 - Jacob Cardinal, OSU EEDS, Fall 2017-present
 - Stephanie Mitchell, OSU SENR, Fall 2017-present
 - Madeline Goebel, OSU EEDS, Fall 2017-present
 - Catherine Swaidan, USC Psychology, Spring 2014- Spring 2015
 - Jordan Raffo, USC Chemical / Environmental Engineering, Spring 2014
 - Providence Ilsevich, USC Industrial and Systems Engineering, Summer 2014
 - Alana Osterling, USC Industrial and Systems Engineering, Fall 2014
 - Dana Thomas, USC Computer Science, Spring 2016
 - Arash Zadeh, USC Economics, Summer 2014-Fall 2014
- **High School mentees**
 - Caitlin Karasik, Marlborough High School Honors Program in Social Sciences, Fall 2010-Spring 2011
- **SENR faculty mentor to the following undergraduate students**
 - AY 17-18: Marie McConnell, Maxwell Kirschner, Megan Howard, Patrick Hardin, Shannon Duff, Marina Garcia, Daniel Gum, Sophie Manaster, Ethan Ross, Sydey Stobart, Kayleigh Cook, Jared Gandelot, Richard Gonzales, Cael Jones, James Smith, Ellen Westfall

Service

SENR service

- Faculty chair, OSU School of Environment and Natural Resources Task Force on Diversity, Inclusion, Justice, and Equity (DIJE), 2017-present
- Member, OSU School of Environment and Natural Resources Honors Committee, 2017-present

OSU university-level service

- OSU lead, multi-state committee Collaborative for Research on Food, Energy, and Water Education, 2017-present
- Graduate Faculty rep, Sarah Lukowski, PhD examination, Dept of Psychology

Community service

- Advisory Board member, Smart Columbus Consumer Adoption project, 2017-present
- Advisory Committee member, Mid-Ohio Regional Planning Commission Franklin County Energy Study, 2017-present

Refereeing activity

- Ad-hoc proposal reviewer, National Science Foundation
- Reviewer for the following journals: *Energy Policy*, *Energy Economics*, *Energy Efficiency*, *Energy Research and Social Science*, *Conservation Biology*, *Risk Analysis*, *International Journal of Sustainability in Higher Education*, *Environment Systems and Decisions*, *Resources Conservation and Recycling*, *Review of General Psychology*
- Review Editor, *Frontiers in Environmental Psychology*
- Conference reviewer: American Psychological Association Div 34 – 2018 annual meeting; Society for Conservation Biology annual meeting, 2015; Association for the Advancement of Sustainability in Higher Education Annual Meeting, 2013-Present; International Joint Conference on Artificial Intelligence Workshop on Behavioral, Economic and Computational Intelligence for Security; 4th International Conference on Computational Sustainability, 2016

Leadership and professional memberships

Conference and workshop organization

- Program committee member, Society for Environmental, Population, and Conservation Psychology 2018 meeting
- Program board member, 7th International Conference on Human Computer Interaction International, Digital Human Modeling and Applications, 2017
- Program committee member, AAAI Spring Symposium on AI for social good, 2017
- Co-chair of Doctoral Consortium and Program committee member, 4th International Conference on Computational Sustainability, 2016
- Co-chair, USC Conference on Conservation, Computation, and Criminology, 2015
- Co-chair, USC Environmental Sustainability Research Network Workshop on Emerging Perspectives in Environmental Decision-Making, 2015
- Program committee member, 2015 International Joint Conference on Artificial Intelligence Workshop on Behavioral, Economic and Computational Intelligence for Security (BECIS)

- Invited Panel Moderator, Behavior, Energy & Climate Change Conference (BECC), Fall 2013

Professional memberships

- Society for Environmental, Population, and Conservation Psychology (American Psychological Association Division 34), member, 2009-present
- Applied Experimental and Engineering Psychology Division, American Psychological Association, member, 2013-present
- Society for Personality and Social Psychology, member, 2016-present
- Society for Conservation Biology – Social Science Working Group, Conservation Technologies Working Group, member, 2016-present
- Research Committee Member, Smart Grid Consumer Collaborative, 2014-2016
- Advisory Board Member, Association for the Advancement of Sustainability in Higher Education, 2013-2015
- Advisor, United States National Center for Education Research, Behavioral Sciences Research Agenda, 2011