

# Daniel B. Shank

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## EDUCATION & EMPLOYMENT

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Psychological Science, Missouri University of Science and Technology	
Assistant Chair of Undergraduate Studies	2024-present
Associate Professor	2022-present
Assistant Professor	2016-2022
Research Fellow, Psychology, University of Melbourne	2013-2016
Research Fellow, Sociology, University of Alabama at Birmingham	2012-2013
University of Georgia	
PhD, Sociology	2012
MA, Sociology	2008
MS, Artificial Intelligence	2006
BA, Computer Science, Harding University	2003

## GRANTS *TOTAL: \$2,886,549. SHARED CREDIT: \$817,039.*

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- CI Canfield (PI), DB Shank (Co-PI), CH Dagli (Co-PI), MA Schnitzler (Co-PI), K Lentine (Co-PI). Oct 2022 – Sept 2026. Embedding Preferences in Adaptable Artificial Intelligence Decision Support for Transplant Healthcare to Reduce Kidney Discard. *National Science Foundation*. \$1,800,000. (20% shared credit: \$360,500).
- DC Wunsch (PI), DB Shank (Co-PI). July 2022 – June 2024. Scalable Lifelong Machine Learning for Edge-Deployed Passive Infrared Analysis. *Army Research Office (through the Leonard Wood Institute)*. \$486,411. (10% shared credit: \$48,641).
- CI Canfield (PI), DB Shank (Co-PI), CH Dagli (Co-PI), MA Schnitzler (Co-PI), K Lentine (Co-PI). Oct 2020 – Sept 2021. Teaming Transplant Professionals and Artificial Intelligence Tools to Reduce Kidney Discard. *National Science Foundation*. \$150,000. (25% Shared credit: \$37,500).
- DB Shank (PI). Apr 2019 – Mar 2023. Mind Perception and Morality of Artificial Intelligence in Social Interaction. *Army Research Office*. \$229,681 (100%).
- DB Shank (PI). Apr 2019 – Mar 2021. Modeling the Perceptions of Teams Based on Team Member Behavior: Human versus Autonomous Agent Team Members. *Leonard Wood Institute*. \$72,566 (100%).

## BOOK

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- DB Shank. 2025. *The Machine Penalty: The Consequences of Seeing Artificial Intelligence as Less Than Human*. Palgrave-Macmillan. [Link](#)

## PEER-REVIEWED ARTICLES *TOTAL: 52. FIRST AUTHOR: 31. WITH STUDENT COAUTHORS\*: 34.*

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### 11 ARTICLES AS AN ASSOCIATE PROFESSOR (2022-PRESENT)

- D Wright, SE Hercula, DB Shank, A Rentz\*, J Farr\*. *Accepted*. Clash of the Titans: A User Experience Comparison of Amazon, Apple, and Google smart home technology. *Communication Design Quarterly*.

- DB Shank, M Koike, S Loughnan. 2025. Artificial Intimacy: Ethical issues of AI romance. *Trends in Cognitive Sciences*. 29(6): 499-501. [Link](#)
- DB Shank, G Hammond\*, F Sajjad\*. 2025. Predicting Affective Impressions in Human-Computer Interaction. *Current Research in Social Psychology*. 34(1): 1-15. [Link](#)
- M Prescott\*, DB Shank. 2025. Thinking about an Ecological Utopia Increases Motivation to Change Current Society. *Possibility Studies and Society*. 1-14. [Link](#)
- S Hercula, DB Shank, JL Cundiff, D Wright. 2024. Bias toward the Accents of Virtual Assistants. *Journal of Language and Social Psychology*. 43(5-6): 691-716. [Link](#)
- DB Shank, M Dew\*, F Sajjad\*. 2024. Moral Behaviour Alters Impressions of Humans and AIs on Teams: Unethical AIs are More Powerful while Ethical Humans are Nicer. *Behaviour & Information Technology*: 1-12. [Link](#)
- H Subramanian\*, C Canfield, DB Shank. 2024. Designing Explainable AI to Improve Human-AI Team Performance: A Medical Stakeholder-Driven Scoping Review. *Artificial Intelligence In Medicine*. 149: 102780. [Link](#)
- H Subramanian\*, C Canfield, DB Shank, M Kinnison\*. 2023. Combining Uncertainty Information with AI Recommendations Supports Calibration with Domain Knowledge. *Journal of Risk Research*. 26(10): 1137-1152. [Link](#)
- D Wright, M Dew\*, DB Shank, T Yarbrough. 2023. The Usability of an Integrated Smart Home: A Usability Study of a Laboratory-Based Google Smart Home. *Communication Design Quarterly*. 1-16. [Link](#)
- DB Shank, C Stefanik\*, C Stuhlsatz\*, K Kacirek\*, A Belfi. 2023. AI Composer Bias: Listeners like music less when they think it was composed by an AI. *Journal of Experimental Psychology: Applied*. [Link](#)
- JL Davis, DB Shank, TP love, C Stefanik\*, A Wilson\*. 2022. Gender Dynamics in Human-AI Role-Taking. *Advances in Group Processes*. 39:1-22. [Link](#)
- A Wilson\*, C Stefanik\*, DB Shank. 2022. How do People Judge the Immorality of Artificial Intelligence versus Humans Committing Moral Wrongs in Real-World Situations? *Computers in Human Behavior Reports*. 8:100229 [Link](#)

## **28 ARTICLES AS AN ASSISTANT PROFESSOR (2016-2022)**

- H Elder\*, C Canfield, DB Shank, T Rieger, C Hines\*. 2024. Knowing When to Pass: The Effect of AI Reliability in Risky Decision Contexts. *Human Factors*. 66(2): 348-362. [Link](#)
- DB Shank, D Wright, S Nasrin\*, M White\*. 2023. Discontinuance and Restricted Acceptance to Reduce Worry after Unwanted Incidents with Smart Home Technology. *International Journal of Human-Computer Interaction*. 39(14): 2771-2784. [Link](#)
- DB Shank, A Burns\*. 2022. How does Employees' Behavior Change How We Feel about their Organization? Transfer of Affective Impressions between Employees and Organizations. *Social Science Research*. 105:102723. [Link](#)
- D Tanksley\*, C Arnold\*, A Wilson\*, DB Shank, DC Wunsch. 2022. A Robot Advisor to Improve Computerized Game Play. *European Scientific Journal*. 18(4):50-60. [Link](#)
- R Lulham, DB Shank. 2022. How 'Stuff' Matters in Affect Control Theory. *American Behavioral Scientist*. [Link](#)
- T Maninger\*, DB Shank. 2022. Perceptions of Violations by Artificial and Human Actors Across Moral Foundations. *Computers in Human Behavior Reports*. 5:100154. [Link](#)
- R Threlkeld\*, L Ashiku\*, C Canfield, DB Shank, MA Schnitzler, KL Lentine, DA Axelrod, AC Reddy Battineni, H Randall, C Dagli. 2021. Reducing Kidney Discard with Artificial Intelligence Decision Support: The Need for a Transdisciplinary Systems Approach. *Current Transplantation Reports*. [Link](#)
- DB Shank, M North\*, C Arnold\*, P Gamez. 2021. Can Mind Perception Explain Virtuous Character Judgments of Artificial Intelligence? *Technology, Mind, and Behavior*. 2(3): 1-13. [Link](#)
- D Wright, DB Shank, T Yarbrough\*. 2021. Outcomes of Training in Smart Home Technology Adoption: A living Laboratory Study. *Communication Design Quarterly*. [Link](#)

- DB Shank, M Bowen\*, A Burns\*, M Dew\*. 2021. Humans are Perceived as Better, but Weaker, than Artificial Intelligence: A Comparison of Affective Impressions of Humans, AIs, and Computer Systems in Roles on Teams. *Computers in Human Behavior Reports*. 3:100092. [Link](#)
- Y Li, DK Sewell, S Saber\*, DB Shank, Y Kashima. 2021. The Climate Commons Dilemma: How Can Humanity Solve the Commons Dilemma for the Global Climate Commons? *Climatic Change*. 164(4). [Link](#)
- JJ Evans, SZ Evans, DB Shank, QP Fallon\*. 2021. Motivations for Social Interaction: The Case of Pokémon Go After the Fad Ended. *Social Science Quarterly*. 102(1): 547-551. [Link](#)
- DB Shank, D Wright, R Lulham, C Thurgood. 2021. Knowledge, Perceived Benefits, Adoption, and Use of Smart Home Products. *International Journal of Human-Computer Interaction*. 37(10): 922-937. [Link](#)
- DB Shank, N Shank, M North\*. 2020. The Technology Fast: Transformational Learning as Changes in Behavior and Perception beyond the Classroom. *Journal of Transformative Learning*. 7(2): 45-56. [Link](#)
- DB Shank, A Gott\*. 2020. Exposed by AIs! People Personally Witness Artificial Intelligence Exposing Personal Information and Exposing People to Undesirable Content. *International Journal of Human-Computer Interaction*. 36(17):1636-1645. [Link](#)
- P Gamez, DB Shank, C Arnold\*, M North\*. 2020. Artificial Virtue: The Machine Question and Perceptions of Moral Character in Artificial Moral Agents. *AI & Society*. 35:795-809 [Link](#)
- DB Shank, A Burns\*, S Rodriguez\*, M Bowen\*. 2020. Software Program, Bot, or Artificial Intelligence? Affective Sentiments across General Technology Labels. *Current Research in Social Psychology*. 28(4):32-41. [Link](#)
- D Wright, DB Shank. 2020. Smart Home Technology Diffusion in a Living Laboratory. *Journal of Technical Writing and Communication* 50(1):56-90. [Link](#)
- DB Shank, S Hercula, B Curdy\*. 2019. The Effect of Noun Phrase Grammar on the Affective Meaning of Social Identity Concepts. *Journal of Research Design and Statistics in Linguistics and Communication Science* 5(1-2):48-77. [Link](#)
- DB Shank, A Gott\*. 2019. People's Self-Reported Encounters of Perceiving Mind in Artificial Intelligence. *Data in Brief*, 25:1-5. [Link](#)
- DB Shank, C Graves\*, A Gott\*, P Gamez, S Rodriguez\*. 2019. Feeling our Way to Machine Minds: People's Emotions when Perceiving Mind in Artificial Intelligence. *Computers in Human Behavior* 98:256-266. [Link](#)
- DB Shank, DT Robinson. 2019. Who's Responsible? Representatives' Autonomy Alters Customers' Emotion and Repurchase Intentions toward Organizations. *Journal of Consumer Marketing* 36(1):155-167. [Link](#)
- DB Shank, A DeSanti\*, T Maninger\*. 2019. When are Artificial Intelligence versus Human Agents Faulted for Wrongdoing? Moral Attributions after Individual and Joint Decisions. *Information, Communication, and Society* 22(5):648-663. [Link](#)
- DB Shank, Y Kashima, K Peters, Y Li, G Robins, M Kirley. 2019. Norm Talk and Human Cooperation: Can We Talk Ourselves into Cooperation? *Journal of Personality and Social Psychology* 117(1):99-123. [Link](#)
- DB Shank, A Burns\*. 2018. Comparing Groups' Affective Sentiments to Group Perceptions. *Current Research in Social Psychology* 26(5):55-66. [Link](#)
- DB Shank, A DeSanti\*. 2018. Attributions of Morality and Mind to Artificial Intelligence after Real-World Moral Violations. *Computers in Human Behavior* 86:401-411. [Link](#)
- DK Sewell, PJ Rayner, DB Shank, S Guy\*, SD Lilburn\*, S Saber\*, Y Kashima. 2017. Causal Knowledge Promotes Behavioral Self-Regulation: An Example using Climate Change Dynamics. *PLoS ONE* 12(9):e0184480. [Link](#)
- DB Shank, R Lulham. 2017. Products as Affective Modifiers of Identities. *Sociological Perspectives*, 60(1):186-205. [Link](#)

#### **8 ARTICLES AS A POSTDOCTORAL FELLOW (2012-2016)**

- DS Shank, R Lulham. 2016. Symbolic Interaction with Consumer Products: An Affect Control Theory Approach. *Sociology Compass*, 10(7):613-622. [Link](#)
- P Conner\*, E Harris\*, S Guy\*, J Fernando\*, DB Shank, T Kurz, P Bain, Y Kashima. 2016. Interpersonal Communication about Climate Change: How Messages Change when Communicated Through Simulated Online Social Networks. *Climatic Change* 1-14. [Link](#)
- DB Shank. 2016. Using Crowdsourcing Websites for Sociological Research: The Case of Amazon Mechanical Turk. *The American Sociologist* 47(1):47-55. [Link](#)
- DB Shank, Y Kashima, S Saber\*, T Gale\*, M Kirley. 2015. Dilemma of Dilemmas: How Collective and Individual Perspectives Can Clarify the Size Dilemma in Voluntary Linear Public Goods Dilemmas. *PLoS ONE* 10(3): e0120379. [Link](#)
- DS Shank. 2014. Impressions of Computer and Human Agents after Interaction: Computer Identity Weakens Power but Not Goodness Impressions. *International Journal of Human-Computer Studies* 72(10-11):747-756. [Link](#)
- SR Cotten, DB Shank, WA Anderson\*. 2014. Gender, Technology Use and Ownership, and Media-Based Multitasking among Middle School Students. *Computers in Human Behavior* 35:99-106. [Link](#)
- DB Shank, SR Cotten. 2014. Does Technology Empower Urban Youth? The Relationship of Technology Use to Self-Efficacy. *Computers and Education* 70:184-193. [Link](#)
- DB Shank. 2013. Are Computers Good or Bad for Business? How Mediated Customer-Computer Interaction Alters Emotion, Impressions, and Patronage toward Organizations. *Computers in Human Behavior* 29(3):715-725. [Link](#)

#### **4 ARTICLES AS A GRADUATE STUDENT (2004-2012)**

- DB Shank. 2012. Perceived Justice and Reactions to Coercive Computers. *Sociological Forum* 27(2):372-391. [Link](#)
- DB Shank. 2010. An Affect Control Theory of Technology. *Current Research in Social Psychology* 15(10):1-13. [Link](#)
- DB Shank, RW McClendon, J Paz, G Hoogenboom. 2008. Ensemble Artificial Neural Networks for Prediction of Dew Point Temperature. *Applied Artificial Intelligence* 22(6):523-542. [Link](#)
- DB Shank, G Hoogenboom, RW McClendon. 2008. Dew Point Temperature Prediction Using Artificial Neural Networks. *Journal of Applied Meteorology and Climatology* 47(6):1757-1769. [Link](#)

#### **OTHER PUBLICATIONS** CHAPTERS: 3. CONFERENCE PROCEEDING:4. REPORTS: 1. BOOK REVIEWS:2. ENCYCLOPEDIA ARTICLES: 2.

- Digital Education Council. Forthcoming 2025. Ten Dimension AI Readiness Framework. Digital Education Council.
- Eyuel Getahun, Daniel Shank, Casey Canfield, Jessica Cundiff, Jenny Davis, and Celia Freed. 2025. *How Do Human and AI Gender Bias Interact in Hiring Decisions?* Proceedings of the *IEEE International Symposium on Ethics in Engineering, Science, and Technology (ETHICS-2025)*. Evanston, IL. **Honorable Mention, Best Paper Award.**
- D Wright, DB Shank. 2022. Rejecting and Restricting Smart Home Technology. Proceedings of the *IEEE Professional Communication Society Conference*: 352-357. Dublin, Ireland.
- HV Subramanian, C Canfield, DB Shank, L Andrews, C Dagli. 2020. Communicating Uncertain Information From Deep Learning Models In Human Machine Teams. *Proceedings of the American Society for Engineering Management*. Denver, CO (Virtual Conference). Eds. H. Keathley, J. Enos and M. Parrish.
- DB Shank. 2020. Book review: "What is Digital Sociology?" by N Selwyn. *Contemporary Sociology* 49(2):204-205.
- DB Shank. 2016. "Technology and Interaction" *The Wiley-Blackwell Encyclopedia of Sociology*, 2<sup>nd</sup> Edition.

- R Lulham, C Thurgood, DB Shank. 2015. An Affective Tool to Assist in Designing Innovations. *Proceedings of The International Association of Societies of Design Research*. Brisbane, Australia.
- SR Cotten, EL Davison, DB Shank, BW Ward. 2014. Gradations of Disappearing Digital Divides among Racially Diverse Middle School Students. *Communication and Information Technologies Annual*. Emerald.
- DB Shank. 2014. Technology and Emotions. *The Handbook of the Sociology of Emotions, Volume II*. Springer.
- DB Shank. 2014. Book review: “eGods: Faith Versus Fantasy in Computer Gaming” by WS Bainbridge. *Sociology of Religion* 75(1):175-176.
- DB Shank. 2014. Identities, Stress, and Health. *The Wiley-Blackwell Encyclopedia of Health, Illness, Behavior, and Society*. Wiley-Blackwell.
- DB Shank. 2010. Trusting Technological Actors: A Foundation in Structure and Cultural Sentiments. *Trust and Technology in a Ubiquitous Modern Environment: Theoretical and Methodological Perspectives*. IGI Global.
- DT Robinson, DB Shank. 2009. Affect Control Theory. *Encyclopedia of Group Processes and Intergroup Relations*. Sage.

## INTERNAL GRANTS TOTAL: \$224,218.

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- D Wright, DB Shank. 2025-2026. Measuring User Experience Outcomes of 3D Spatial Computing Instructions Using the BILT XR App for Apple Vision PRO. *The Arts, Humanities, Social and Behavioral Sciences Research, Office of the Vice Chancellor for Research and Innovation, Missouri S&T*. \$18,988.
- D Wright, DB Shank, T Yarbrough. 2024-2025. User Experience and the Matter Protocol for Smart Home Technology. *Center for Science, Technology, and Society, Missouri S&T*. \$5,084.
- DB Shank, C Canfield, J Cundiff. 2024. Reducing Prejudice in Algorithmically Assisted Decisions: A Skeptical Trust Approach. *The Arts, Humanities, Social and Behavioral Sciences Research, Office of the Vice Chancellor for Research and Innovation, Missouri S&T*. \$19,755.
- C Canfield, DB Shank, J Cundiff. 2023-2024. Reducing Discrimination in Hiring using Algorithmic Recommendations. *Center for Science, Technology, and Society, Missouri S&T*. \$10,000.
- DB Shank, C Davis, D Wright, M Krueger. 2022-2023. Anthropomorphizing through Creating: Understanding How Designers Humanize their Robot Creations. *The Arts, Humanities, Social and Behavioral Sciences Research, Office of the Vice Chancellor for Research and Innovation, Missouri S&T*. \$22,500.
- DB Shank and C Canfield. 2022-2023. Reducing Discrimination in Hiring using Algorithmic Recommendations: An Investigation into How People Make Hiring Decisions when Receiving Biased AI Recommendations. *Intelligent Systems Center, Missouri S&T*, \$9278.
- D Wright, DB Shank, S Hercula, T Yarbrough. 2022-2023. Usability Testing of Smart Home Technology in a Controlled Environment. *Center for Science, Technology, and Society, Missouri S&T*. \$5508.
- DB Shank, SE Hercula, JL Cundiff, D Wright. 2022-2023. Accent Prejudice toward Smart Home Assistants. *Smart Living, Missouri S&T*. \$40,000.
- D Wright, DB Shank, T Yarbrough. 2021. Usability Testing of Smart Home Technology in a Controlled Environment. *Center for Science, Technology, and Society, Missouri S&T*. \$4820.
- A Belfi, DB Shank. 2020-2022. Human versus Artificial Intelligence: How Composer Identity Influences Aesthetic Judgments of Music. *Intelligent Systems Center, Missouri S&T*. \$6200.
- DB Shank, D Wright. 2019. Unplugged: Understanding Anti-adoption of Google Home and Amazon Alexa. *Center for Science, Technology, and Society, Missouri S&T*. \$3500.
- DB Shank, P Gamez. 2019 Virtue Ethics and Artificial Intelligence: How Does the Dispositional Character of an AI Agent Change Moral Attribution. *Center for Science, Technology, and Society, Missouri S&T*. \$4733.

DB Shank, D Wunsch. 2018. Cheating, Trust, and Blame when Human Players are Augmented by AI in the DeepMind StarCraft Challenge. *Intelligent Systems Center, Missouri S&T*. \$9273.

DB Shank. 2017. Affective Impressions of Groups versus Individuals. *Research Board, University of Missouri System*. \$24,255.

D Wright, DB Shank. 2017. Technology Diffusion Patterns in Smart Living. *Best-In-Class Pilot Study Program, College of Arts, Sciences, and Business, Missouri S&T*. \$13,200.

DB Shank. 2015. Impressions of People's Identities when Combined with Consumer Products. *Research Support Scheme, School of Psychological Sciences, University of Melbourne*: \$1,736 [2,369 AUD].

R Lulham, DB Shank. 2015. Designing Affectively. *Centre for Contemporary Design Practices, University of Technology Sydney*. \$2,363 [3,000 AUD].

DB Shank. 2015. People's Cooperation and Commitment towards their Groups Versus Subgroups. *Melbourne Early Career Researcher Grant, University of Melbourne*. \$19,025 [20,507 AUD].

DB Shank. 2011. *Summer Doctoral Research Fellowship, University of Georgia*. \$3,000.

DB Shank. 2010. *Dean's Award for Dissertation Research, Graduate School University of Georgia*. \$1,000.

## INVITED PRESENTATIONS AND PROGRAMS TOTAL: 8.

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Presentation. 2024. Doom or Boom? AI Technology in Our Lives. *Missouri Humanities Council: Think-N-Drink Panel*. Rolla, MO.

Visiting Scholar Program. 2024. *World Research Hub Program, Tokyo Institute of Technology*. Tokyo, Japan. One week visit for research collaborations, networking, and lecturing.

Presentation. 2020. Perceiving Morality in Artificial Intelligence versus Humans. *Society for Personality and Social Psychology: Psychology of Media and Technology Preconference*. New Orleans, LA.

Presentation. 2019. Ethics and AI Panel. *St. Louis Machine Learning and Data Science Association*. St. Louis, MO.

Presentation. 2019. Artificial Intelligence in the Social World: The Personal Moral Consequences of Interacting with Biased Algorithms. *Computer Science Department, Harding University*. Searcy, AR.

Presentation. 2019. Attributions of Morality and Mind for Moral Violations by Artificial Intelligent Agents. *Behavioral Science Department, Harding University*. Searcy, AR.

Presentation. 2018. Affective Sentiments as a Basis for Understanding Morality in Robots. *International Workshop on Morality and Robots: Moral HRI*. Tokyo, Japan.

Presentation. 2009. Perceived Justice of Computers. *Southern Sociological Society*. New Orleans, LA.

## CONFERENCE PRESENTATIONS TOTAL: 67. PRESENTER: 37. COAUTHOR PRESENTER\*: 27. CANCELED: 3.

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### 16 PRESENTATIONS AS AN ASSOCIATE PROFESSOR (2022-PRESENT)

A Babaee\*, DB Shank, C Canfield, G Hall, K Lentine, H Randall, M Schnitzler. Accepted 2025. Disagreements in AI Adoption for Organ Procurement Organizations: Source of Efficiency or Inequity? *World Transplant Congress*, San Francisco, CA.

J Davis\*, EA Getahun, DB Shank, C Canfield, JL Cundiff, J Davis, C. Freed. How AI Recommendations Affect Résumé Evaluations: A Story of Misattribution. Accepted 2025. *Group Processes 2025*. Chicago, IL.

EA Getahun\*, DB Shank, C Canfield, JL Cundiff, J Davis, C. Freed. Accepted 2025. How do Human and AI Gender Bias Interact in Hiring Decisions? Accepted. *American Society for Engineering Management*, Boise, ID.

DB Shank, M Prescott. 2025. Thinking about an Ecological Utopia Increases Motivation to Change Current Society. *Southern Sociological Society*. Charlotte, NC.

DB Shank. 2025. The Machine Penalty: The Consequences of Seeing Artificial Intelligence as Less Than Human. *Southern Sociological Society*. Charlotte, NC.

- C Canfield\*, C Dagli, DB Shank, K Lentine, M Schnitzler, H Randall, VS Nadendla, B Cummiskey. 2025. Improving System-Level Outcomes via Artificial Intelligence Decision Support in Kidney Utilization. *IEEE International Symposium on Ethics in Engineering, Science, and Technology (ETHICS-2025)*. Evanston, IL. **Honorable Mention, Best Poster Award.**
- EA Getahun, DB Shank, C Canfield\*, JL Cundiff, J Davis, C. Freed. 2025. How Do Human and AI Gender Bias Interact in Hiring Decisions? *IEEE International Symposium on Ethics in Engineering, Science, and Technology (ETHICS-2025)*. Evanston, IL.
- EA Getahun\*, DB Shank, C Canfield, JL Cundiff, J Davis. Making hiring decisions with gender-biased AI recommendations. 2025. *Institute of Industrial and Systems Engineers*. Atlanta, GA.
- HV Subramanian\*, C Canfield, DB Shank. 2024. When is it Appropriate to Rely on AI? Evaluating User Discernment. *Society for Risk Analysis Annual Meeting*. Austin, TX.
- EA Getahun\*, DB Shank, C Canfield, JL Cundiff, and J Davis. 2024. Making hiring decisions with gender-biased AI recommendations. *American Society of Engineering Management*, Virginia Beach, VA.
- JVT Pauketat\*, DB Shank, K Manoli, J Anthis. 2024. Multiple Dimensions of Mind: Disentangling Autonomy and Sentience in Human-AI Interaction. *CHI-24 Computer-Human Interaction*. Honolulu, HI.
- A Babaee\*, DB Shank, C Canfield. 2024. What Factors Affect AI Adoption by the Public in the Kidney Transplant Placement Process? *Society for Personality and Social Psychology*. San Deigo, CA.
- DB Shank. 2023. Immorality of Artificial Intelligence. *European Association of Social Psychology*. Krakow, Poland.
- DB Shank, JL Cundiff, SE Hercula, D Wright, K Johnson, F Sajjad, C Anderson. 2023. Accent Prejudice toward Siri. *Moral Psychology of AI*. Canterbury, England.
- HV Subramanian\*, C Canfield, DB Shank. 2023. Integrating Stakeholder Input into the Design of Explainable AI Interfaces: An Application in Kidney Transplant Healthcare. *Institute of Industrial and Systems Engineers*. New Orleans, LA.
- DB Shank, JL Cundiff, SE Hercula, D Wright. 2023. Accent Prejudice toward Smart Home Assistants. *Society for Personality and Social Psychology*. Atlanta, GA.

### **30 PRESENTATIONS AS AN ASSISTANT PROFESSOR (2016-2022)**

- DB Shank, C Hammond, R Liu, F Sajjad, A Bucher. 2022. Human-Computer Interaction as Affect Control. *Group Processes*. Los Angeles, CA.
- JL Davis, DB Shank, TP love, C Stefanik, A Wilson. 2022. Gender Dynamics in Human-AI Role-Taking. *American Sociological Association*. Los Angeles, CA.
- D Wright\*, DB Shank. 2022. Rejecting and Restricting Smart Home Technology. *IEEE ProComm*. Limerick, Ireland.
- HV Subramanian, C Canfield\*, DB Shank, C Dagli. 2022. The Role of Explainable AI in a Decision Support System for Kidney Transplant Placement. *American Society for Engineering Management*. Tampa, FL.
- A Wilson\*, C Stefanik, DB Shank. 2022. How do People Judge the Immorality of Artificial Intelligence versus Humans Committing Moral Wrongs in Real-World Situations? *Society for Personality and Social Psychology*. San Francisco, CA.
- HV Subramanian\*, C Canfield, DB Shank, M Kinnison. 2021. Role of Uncertainty Information and Domain Knowledge in Use of Artificial Intelligence Recommendations. *Society for Risk Analysis*. Virtual Conference.
- DB Shank, C Stefanik, C Stuhlsatz, K Kacirek, and AM Belfi. 2021. AI Composer Bias: Listeners like music less when they think it is composed by an AI. *Psychology of Technology*. Santa Barbara, CA.
- HV Subramanian\*, C Canfield, H Elder, L Ashiku, R Threlkeld, C Hines, C Dagli, DB Shank, K Lentine, M Schnitzler, H Randall. 2021. Engaging Stakeholders in the Transplant Community to Design Artificial Intelligence Decision Support. *American Society for Engineering Management*. Virtual Conference.

- DB Shank, M North, C Arnold, P Gamez. 2021. Can Mind Perception Explain Virtuous Character Judgments of Artificial Intelligence? *American Sociological Association*. Virtual Conference.
- DB Shank, C Stefanik, A Wilson. 2021. The Mind and the Machine: Perceiving Artificial Intelligence as Moral Agents and Patients. *Society for Personality and Social Psychology*. Austin, TX (Virtual Conference).
- HV Subramanian\*, C Canfield, DB Shank, L Andrews, C Dagli. 2020. Designing Communications for AI Recommendations with Uncertain Truth. *Risk Science for Sustainability*. Austin, TX (Virtual Conference).
- HV Subramanian\*, C Canfield, DB Shank, L Andrews, C Dagli. 2020. Communicating Uncertainty from Deep Learning Models in Human Machine Teams. *American Society for Engineering Management*. Denver, CO (Virtual Conference).
- H Elder\*, C Canfield, DB Shank, C Hines. 2020. Can AI recommendations encourage riskier decision-making with higher reliability? *Society for Risk Analysis*. Virtual Conference.
- DB Shank, JL Davis\*, TP Love. 2020. Role-Taking in Human-Human and Human-AI Interaction. *International Communications Association: Open Questions in Human-Machine Communication preconference*. Gold Coast, Australia.
- DB Shank, A Burns. 2020 (Session Canceled). Does Employees' Behavior Change Our Feelings About Their Organization? Affective Sentiment Sharing and Impression Transfer. *American Sociological Association*. San Francisco (Virtual Conference).
- DB Shank. 2020 (Conference Canceled). When are the Behaviors of Artificial Intelligence Perceived as Morally Wrong? *European Association of Social Psychology*. Krakow, Poland.
- DB Shank, N Shank, M North. 2020 (Conference Canceled). The Technology Fast: Transformational Learning as Changes in Behavior and Perception beyond the Classroom. *Teaching and Learning Technology*. Rolla, MO.
- C Canfield\*, DB Shank, L Andrews, C Dagli. 2019. Communicating Uncertainty in Deep Learning Models for High Stakes Decisions. *Society for Risk Analysis*. Arlington, VA.
- DB Shank, T Maninger, A Gott. 2019. Artificial Agents are Differently Perceived as Moral Wrongdoers Based on Moral Foundation Violated. *New Directions in Research on the Psychology of Technology Conference*. Washington, DC.
- DB Shank, A Burns. 2019. How do Employees' Behavior Alter the Affective Impressions of Their Organizations? *Identity, Action and Emotion*. Bloomington, IN.
- DB Shank, A Gott. 2019. Feeling Emotions and Feeling Exposed: Reactions in Personal Interactions with Minded and Immoral Artificial Intelligence. *American Sociological Association*. New York City, NY.
- T Maninger\*, DB Shank. 2019. Differences in Moral Expectations Between Humans and AI. *Midwestern Psychological Association*. Chicago, IL.
- DB Shank, C Graves, A Gott, P Gamez, S Rodriguez. 2019. Feeling our Way to Machine Minds: People's Emotions when Perceiving Mind in Artificial Intelligence. *Society for Personality and Social Psychology*. Portland, OR.
- Y Li\*, DB Shank, Y Kashima. 2018. Norm Talk and Human Cooperation: Can We Talk Ourselves into Cooperation? *Human Behavior and Evolution – Japan*. Tokyo, Japan.
- DB Shank, A DeSanti. 2018. Can an Artificial Intelligence Commit a Moral Wrong? Perceptions of Morality after Real-Life Moral Violations. *American Sociological Association*. Philadelphia, PA.
- DB Shank, A DeSanti. 2018. Attributions of Morality and Mind to Real-Life Moral Violations Made by Artificial Intelligence. *Society for Personality and Social Psychology*. Atlanta, GA.
- DB Shank, Y Kashima, K Peters, G Robins, M Kirley. 2017. Norm Talk and Human Cooperation: Can We Talk Ourselves into Cooperation? *American Sociological Association*. Montreal, Canada.
- R Lulham, DB Shank. 2017. A New Direction in Identity Modification: Tangible Products as Modifiers of Identities. *Affect Control Theory Conference*. Hanover, NH.
- R Lulham\*, C Thurgood, DB Shank. 2017. An Affective Thesaurus for the Professional and the Curious. *Affect Control Theory Conference*. Hanover, NH.



DB Shank, R Lulham. 2017. Amalgamated Affective Impressions: How Consumer Products Modify Identities. *International Society for Research on Emotion*. St. Louis, MO.

### **12 PRESENTATIONS AS A POSTDOCTORAL FELLOW (2012-2016)**

DB Shank, R Lulham. 2016. Using Technology to Make an Impression. *Society of Australasian Social Psychologists*. Brisbane, Australia.

R Lulham\*, C Thurgood, DB Shank. 2015. An Affective Tool to Assist in Designing Innovations. *The International Association of Societies of Design Research*. Brisbane, Australia.

DB Shank, Y Kashima, S Saber, T Gale, M Kirley. 2015. Dilemma of Dilemmas: How Collective and Individual Perspectives can clarify the Size Dilemma in Voluntary Linear Public Goods Dilemmas. *American Sociological Association*. Chicago, IL.

DB Shank. 2015. Combined Individual and Group Motivations can Produce Cooperation Patterns within Different Size Experimental Games. *Society of Australasian Social Psychologists*. Newcastle, Australia.

R Lulham\*, DB Shank. 2015. Products as Affective Modifiers of Social Identities. *International Society for Research on Emotion*. Geneva, Switzerland.

DB Shank, DT Robinson. 2014. Organizational Representatives as Barriers and Conduits of Emotion toward Organizations. *American Sociological Association*. San Francisco, CA.

DB Shank. 2014. Impressions of Goodness and Power for Computer Agents. *American Sociological Association*. San Francisco, CA.

DB Shank, R Lulham. 2014. Salesclerks and the Unemployed with iPads and Ferraris: How Technology Products Modify Impressions of Identities. *Group Processes*. San Francisco, CA.

SR Cotton\*, TM Hale, DB Shank. 2014. XO Laptops, One-to-One Computing, and a City's Effort to Eliminate the Digital Divide among Youth. *National Communication Association*. Chicago, IL.

DB Shank. 2013. Conduits and Barriers: Decoupling Emotions toward First and Second Order Representatives. *The Australian Sociological Association*. Melbourne, Australia.

DB Shank, SR Cotten. 2013. Does Technology Empower Urban Youth? The Relationship of Technology Use to Self-Efficacy. *American Sociological Association*. New York City, NY.

DB Shank, SR Cotton, WA Anderson. 2013. Gender, Technology Use and Ownership, and Media-Based Multitasking among Middle School Students. *Southern Sociology Society*. Atlanta, GA.

### **9 PRESENTATIONS AS A GRADUATE STUDENT (2004-2012)**

DB Shank. 2012. Are Computers Good or Bad for Business? How Customer-Computer Interaction Alters Future Company Patronage. *Southern Sociological Society*. New Orleans, LA.

DB Shank. 2011. Do Computer Representatives Alter Emotions Directed Toward Their Organizations? *International Society for Research on Emotion*. Kyoto, Japan.

DB Shank. 2010. Happy and Unhappy, Blue and Cheerful, Miserable and Peaceful: The Co-Occurrence of Disparate Emotions. *American Sociological Association*. Atlanta, GA.

DB Shank. 2010. An Affect Control Theory of Technology. *Southern Sociological Society*. Atlanta, GA.

DB Shank. 2009. Perceptions of Poverty and Benevolence by Religious Youth: Exploring Social Justice Attitudes using Affect Control Theory. *Christian Scholars' Conference*. Nashville, TN.

DB Shank. 2008. Affect toward Computers Who Coerce in Social Exchange. *American Sociological Association*. Boston, MA.

DB Shank. 2008. Injustice in Social Exchange: The Effects of Computer Identity and Gender. *Group Processes*. Boston, MA.

DB Shank. 2007. Perceptions of Computers Who Coerce. *Group Processes*. New York City, NY.

DB Shank. 2007. Affective Responses When Interacting With Computers. *Southern Sociological Society*. Atlanta, GA.

## OTHER PRESENTATIONS

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DB Shank. 2018. The Perceived Morality of Artificially Intelligent Agents. *Colloquium Series, Department of Psychological Sciences, Missouri University of Science and Technology*

DB Shank. 2012. How Do Computer Representatives Alter Customers' Emotions Toward Companies? *Colloquium Series, Department of Sociology, University of Georgia*

## AWARDS

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2024. Faculty Excellence Award. *Missouri S&T*.

2024. Student Impact Award. *College of Arts, Science, and Education, Missouri S&T*.

2023. Experiential Learning Award. *Missouri S&T*.

2023. Innovative Teaching Award. *College of Arts, Science, and Education, Missouri S&T*.

2021. Research Award (for students in research). *College of Arts, Science, and Business, Missouri S&T*.

2019. Faculty Research Award. *Missouri S&T*.

2015. Outstanding Author Contribution, *Emerald Publishing*.

2013. Bo Williams PhD Research Award. *Department of Sociology, University of Georgia*.

2011. Certificate of Excellence. *Department of Sociology, University of Georgia*.

2010. Graduate Paper Honorable Mention. *Mathematical Sociology, American Sociological Association*.

2009. Graduate Paper Award. *Social Psychology, American Sociological Association*.

2009. Odum Graduate Paper Award. *Southern Sociological Society*.

## CLASSES

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DIFFERENT CLASSES TAUGHT: 8. TOTAL TIMES TAUGHT: 37.

Small Group Dynamics. *Missouri S&T*. 2017-2024, 8 times. 15-23 in-person and distance graduate students.

Psychology of Social Technology. *Missouri S&T*. 2017-2024, 6 times. 8-24 undergraduates. (previously named Human-Computer Interaction)

Social Psychology. *Missouri S&T*. 2016-2023, 8 times. 19-40 undergraduates.

Group Dynamics. *Missouri S&T*. 2016-2024, 7 times. 8-22 undergraduates.

Psychological Science Theory & Practice Research Seminar. *University of Melbourne*. 2014, 1 time. 15 undergraduates.

Classic Sociological Theory. *University of Georgia*. 2011, 2 times. 25-30 undergraduates.

Social Psychology. *University of Georgia*. 2010, 3 times. 10-30 undergraduates.

Ethics and Social Issues. *Abilene Christian University*. 2008-2009, 2 times. 40-50 online undergraduates.

## THESIS AND STUDENT RESEARCH PROGRAMS

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2018-present. First Year Research Experience (FYRE). *Missouri S&T*. Mentor for Alexander Gott (2018), Lawrence Hierlmeier (2019), Abigail Wilson (2020), Hannah Tillery (2021), Heather Austin (2024), Aubrey Scharfenberg (2025), Kenzie Kilpatrick (2025), Adam McCarthy (2025).

2021-present. PhD, Computer Science. *Missouri S&T*. Committee member for Mukund Telukunta.

2021-present. Master's Thesis, Engineering Management. *Missouri S&T*. Committee member for Harishankar Subramanian.

2018-2023. Opportunities for Undergraduate Research Experiences (OURE). *Missouri S&T*. Mentor for Timothy Maninger (2018-2019) and Molly Prescott (2022-2023).

2020-2021. Master's Thesis, Engineering Management. *Missouri S&T*. Committee member for Harishankar Subramanian.

2019-2020. Master's Thesis, Industrial-Organizational Psychology. *Missouri S&T*. Committee member for Brooke-Nicole Ruffin.

2020. M.S. Graduate Comprehensive Exam, Technical Communications. *Missouri S&T*. Committee member for Sumina Nasrin.

2020. Student Research Presentation. Rodriguez, Sophie. Anthropomorphic Descriptions of Artificial Agents: How Perspective Changes Mind Perception. *Great Plains Student Psychology Convention*, St Joseph, Missouri. First place in "Thinking, Language, and Intelligence" section.

2019. M.S. Graduate Comprehensive Exam, Applied and Environmental Biology. *Missouri S&T*. Committee member for Dalton Erger.

2014-2015. Undergraduate Honors Degree, Psychology. *University of Melbourne*. Co-chair for Susanne Hall (2014), Chair for Hannah Bohan (2015).

## JOURNAL PEER REVIEW TOTAL JOURNALS: 46. TOTAL MANUSCRIPTS REVIEWED: 85.

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<i>American Behavioral Scientist</i> (1)	<i>International Journal of Human-Computer Studies</i> (1)
<i>American Sociological Review</i> (5)	<i>Journal of Business Ethics</i> (1)
<i>American Sociologist, The</i> (1)	<i>Journal of Experimental Psychology: Applied</i> (3)
<i>Asian Journal of Social Psychology</i> (1)	<i>Journal of Experimental Psychology: General</i> (2)
<i>Behaviour &amp; Information Technology</i> (1)	<i>Journal of Experimental Social Psychology</i> (2)
<i>Cognition</i> (2)	<i>Journal of Risk Research</i> (1)
<i>Communication Methods and Measures</i> (1)	<i>Nature Communications</i> )1_
<i>Computers and Education</i> (3)	<i>Nature Computational Science</i> (1)
<i>Computers in Human Behavior</i> (19)	<i>New Media &amp; Society</i> (1)
<i>Computers in Human Behavior: Artificial Humans</i> (2)	<i>Psychology of Aesthetics, Creativity, and the Arts</i> (1)
<i>Current Research in Social Psychology</i> (1)	<i>PLoS ONE</i> (1)
<i>Cyberpsychology, Behavior, and Social Networking</i> (1)	<i>Quarterly Journal of Experimental Psychology</i> (1)
<i>Discover Psychology</i> (1)	<i>Rubriq Reviews</i> (1)
<i>Emotion Review</i> (1)	<i>Sage Open</i> (1)
<i>Empirical Studies of the Arts</i> (1)	<i>Scientific Reports</i> (1)
<i>European Review of Applied Psychology</i> (1)	<i>Social Currents</i> (1)
<i>Frontiers: Robotics and AI</i> (1)	<i>Social Forces</i> (1)
<i>Group Dynamics: Theory, Research, and Practice</i> (2)	<i>Social Psychology Quarterly</i> (4)
<i>Heliyon</i> (1)	<i>Society and Mental Health</i> (1)
<i>Human-Computer Interaction</i> (2)	<i>Sociological Forum</i> (1)
<i>Information, Communication &amp; Society</i> (5)	<i>Sociological Inquiry</i> (1)
<i>International Journal of Human-Computer Interaction</i> (1)	<i>Socius</i> (1)
	<i>Technology, Mind and Behavior</i> (2)
	<i>Transportation Research Part A</i> (1)

## OTHER PEER REVIEW

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2023-2024. Encyclopedia and Book Proposals (3), *Palgrave-Macmillan*.

2023. Conference Proposal, *CHI 2024*.

2023. Grant Proposal, *Air Force Office: Scientific Research*

2023. Grant Panel, *National Science Foundation*.

2022. Grant Proposal, *Research 1 University*.

2021. Book Manuscript, *MIT Press*.

2021. Submissions, *Society for Personality and Social Psychology 2022 Conference*.

2021. Submissions, *Technology, Mind, and Society 2021 Conference*.  
2020. Editorial Board, *Group Dynamics: Theory, Research and Practice*.  
2019. Grant Panel, *National Science Foundation*.  
2018. Grant Proposal, *National Science Foundation*.  
2018. Book Proposal, *Bentham Science*.

## DISCIPLINARY SERVICE

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2021-2024. Secretary-Treasurer. *ASA Altruism, Morality, and Social Solidarity Section*.  
2023. Graduate Paper Award Committee. *ASA Emotions Section*.  
2019-2021. Public Engagement Liaison. *ASA Emotions Section*.  
2020. "Internet and Society: Extremism, Fake News, and Toxic Discussion on Social Media" Presider. *American Sociological Association Virtual Event*.  
2019. Conference Co-organizer. *Group Processes Conference*. New York City, NY.  
2015. Emotions and Social Solidarity Session Organizer. *American Sociological Association Conference*. Chicago, IL.  
2015. Experimental Games: Structure, Motivation, and Collective Outcomes Co-organizer. *Society of Australasian Social Psychologists Conference*, Newcastle, Australia.  
2011-2013. Editor of Sociology of Emotions Newsletter. *ASA Emotions Section*.  
2011-2012. Chair of Graduate Student Advisory Committee. *ASA Social Psychology Section*.  
2010-2011. Membership Committee. *ASA Social Psychology Section*.  
2009-2010. Graduate Student Council Member. *ASA Mathematical Sociology Section*.  
2008-2009. Nomination Committee. *ASA Social Psychology Section*.

## UNIVERSITY SERVICE

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2025. Mentor. Minor Creativity Challenge. *Missouri S&T*.  
2024-present. Missouri S&T Representative, AI Working Group. *Digital Education Council*.  
2024-present. Department Representative on college and campus Promotion & Tenure Committees. *Missouri S&T*.  
2018-2024. Information Technology & Computing Committee. *Missouri S&T*.  
2023-2024. Search Committee. *Chief Information Officer, Missouri S&T*.  
2021-2023. Executive Board. *Center for Science, Technology, and Society (CSTS), Missouri S&T*.  
2022-2023. Search Committee. *Assistant Professor of Philosophy, Arts, Language, and Philosophy Department, Missouri S&T*.  
2022-2023. Member/Representative from Department. CASE Research Task Force. *College for Art, Science, and Education, Missouri S&T*.  
2019-2023. Graduate Research Symposium Judge. *Intelligent Systems Center, Missouri S&T*.  
2022. Conducted Smart Lab tours. *S&T STEM Day (K-12), Missouri S&T*.  
2022. Conducted a demonstration session. *Expanding Your Horizons* (event for junior high girls to learn about STEM), *Missouri S&T*.  
2020-2023. Faculty Research Awards Selection Committee. *Center for Advancing Faculty Excellence (CAFÉ), Missouri S&T*.  
2021-2022. Search Committee. *Kummer Institute Center for Artificial Intelligence and Autonomous Systems Director, Missouri S&T*.  
2020. Participant, 5-year "Research Roadmap" planning. *Missouri S&T*.  
2020. Seed Grant Reviewer. *Center for Science, Technology, and Society (CSTS), Missouri S&T*.  
2017. Graduate Research Showcase Judge. *Missouri S&T*.

## DEPARTMENT SERVICE

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2024-present. Assistant Chair of Undergraduate Studies. *Department of Psychological Science, Missouri S&T.*

2024-present. Chair of Promotion & Tenure Committee. *Department of Psychological Science, Missouri S&T.*

2020-present. Experiential Learning Coordinator. *Department of Psychological Science, Missouri S&T.*

2017-present. Advising Majors. *Department of Psychological Science, Missouri S&T.*

2016-present. Meeting with Prospective Students. *Department of Psychological Science, Missouri S&T.*

2019-2020. Graduate Committee. *Department of Psychological Science, Missouri S&T.*

2017-2020. Colloquium Series Coordinator. *Department of Psychological Science, Missouri S&T.*

2014-2016. Floor Warden (Emergency Management Position). *School of Psychological Sciences, University of Melbourne.*

## EXTERNAL SERVICE

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2022. Newspaper Interview. Phelps Count Focus, Rolla, MO. [Link](#).

2013. Expert Interview. *Cranbourne Secondary Students' School Project*, Melbourne, Australia.

## DEVELOPMENT

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2023. Online Teaching Certification. *Missouri Online, University of Missouri System.*

2017-2018. Faculty Scholars Program. *University of Missouri System.*

2016-2017. New Faculty Program. *Missouri S&T.*

2015. Social Network Analysis and Network Models Workshop. *Swinburne University of Technology.*

2014. Academic Staff Mentoring Program. *School of Psychological Sciences, University of Melbourne.*

2013. Grant Writing Course. *University of Alabama at Birmingham.*

2011. Summer Research Institute. *Consortium for the Science of Socio-Technical Systems.*

2010-2011. Emerging Leaders Program. Graduate School, *University of Georgia.*

2009. Seminar in Pedagogy. Center for Teaching and Learning, *University of Georgia.*

2007. Computational Analysis of Social and Organizational Systems. *Carnegie Mellon University.*

## MEMBERSHIPS

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American Sociological Association (ASA). *Sections: Social Psychology; Emotions; Communication, Information Technologies, and Media Sociology (CITAMS); Altruism, Morality, and Social Solidarity (AMSS).*

Society for Personality and Social Psychology (SPSP)

Psychology of Technology Institute

Center for Science, Technology, and Society. *Missouri S&T.*

Intelligent Systems Center (Investigator). *Missouri S&T.*