

DANIEL BURTON SHANK

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Missouri University of Science and Technology
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Assistant Professor, Psychology, Missouri University of Science and Technology (2016-present)

Research Fellow, Psychology, University of Melbourne (2013-2016)

Research Fellow, Sociology, University of Alabama at Birmingham (2012-2013)

PhD, Sociology, University of Georgia (2012)

MA, Sociology, University of Georgia (2008)

MS, Artificial Intelligence, University of Georgia (2006)

BA, Computer Science, Harding University (2003)

PUBLICATIONS

ARTICLES (16)

Shank, Daniel B., Yoshihisa Kashima, Kim Peters, Yang Li, Garry Robins, and Michael Kirley. "Norm Talk and Human Cooperation: Can We Talk Ourselves into Cooperation?" *Conditionally Accepted, Journal of Personality and Social Psychology*.

Shank, Daniel B. and Alyssa DeSanti. 2018. "Attributions of Morality and Mind to Artificial Intelligence after Real-World Moral Violations." *Computers in Human Behavior*. DOI: 10.1016/j.chb.2018.05.014

Sewell, David K., Peter J. Rayner, Daniel B. Shank, Sophie Guy, Simon D. Lilburn, Saam Saber, and Yoshihisa Kashima. 2017. "Causal Knowledge Promotes Behavioral Self-Regulation: An Example using Climate Change Dynamics." *PLoS ONE 12(9) e0184480*.

Shank, Daniel B. and Rohan Lulham. 2017. "Products as Affective Modifiers of Identities." *Sociological Perspectives 60(1):186-205*. DOI: 10.1177/0731121416629996.

Shank, Daniel B. and Rohan Lulham. 2016. "Symbolic Interaction with Consumer Products: An Affect Control Theory Approach." *Sociology Compass 10(7):613-622*.

Connor, Paul, Emily Harris, Sophie Guy, Julian Fernando, Daniel B. Shank, Tim Kurz, Paul G. Bain, and Yoshihisa Kashima. 2016. "Interpersonal Communication About Climate Change: How Messages Change When Communicated through Simulated Online Social Networks." *Climatic Change:1-14*. DOI: 10.1007/s10584-016-1643-z.

Shank, Daniel B. 2016. "Using Crowdsourcing Websites for Sociological Research: The Case of Amazon Mechanical Turk." *The American Sociologist 47(1):47-55*.

Shank, Daniel B., Yoshihisa Kashima, Saam Saber, Thomas Gale, and Michael 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.

Shank, Daniel B. 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.

Cotten, Shelia R., Daniel B. Shank, and William A. Anderson. 2014. "Gender, Technology Use and Ownership, and Media-Based Multitasking among Middle School Students." *Computers in Human Behavior* 35:99-106.

Shank, Daniel B. and Shelia R. Cotten. 2014. "Does Technology Empower Urban Youth? The Relationship of Technology Use to Self-Efficacy." *Computers and Education* 70:184-193.

Shank, Daniel B. 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.

Shank, Daniel B. 2012. "Perceived Justice and Reactions to Coercive Computers." *Sociological Forum* 27(2):372-391.

Shank, Daniel B. 2010. "An Affect Control Theory of Technology." *Current Research in Social Psychology* 15(10):1-13.

Shank, Daniel B., Ronald W. McClendon, Joel Paz, and Gerrit Hoogenboom. 2008. "Ensemble Artificial Neural Networks for Prediction of Dew Point Temperature." *Applied Artificial Intelligence* 22(6):523-542.

Shank, Daniel B., Gerrit Hoogenboom, and Ronald W. McClendon. 2008. "Dew Point Temperature Prediction Using Artificial Neural Networks." *Journal of Applied Meteorology and Climatology* 47(6):1757-1769.

CONFERENCE PROCEEDING (1)

Lulham, Rohan, Clementine Thurgood, and Daniel B. Shank. 2015. "An Affective Tool to Assist in Designing Innovations." in *The International Association of Societies of Design Research*. Brisbane, Australia.

CHAPTERS (3)

Cotten, Shelia R., Elizabeth L. Davison, Daniel B. Shank, and Brian W. Ward. 2014. "Gradations of Disappearing Digital Divides among Racially Diverse Middle School Students" In *Communication and Information Technologies Annual*. Eds. L. Robinson, S. R. Cotten, J. Schultz. Emerald.

Shank, Daniel B. 2014. "Technology and Emotions" In *The Handbook of the Sociology of Emotions, Volume II*. Eds. Jan Stets and Jonathan Turner. Springer.

Shank, Daniel B. 2010. "Trusting Technological Actors: A Foundation in Structure and Cultural Sentiments" In *Trust and Technology in a Ubiquitous Modern Environment: Theoretical and Methodological Perspectives*. Eds. Dominika Latusek and Alexandra Gerbasi. IGI Global.

OTHER PUBLICATIONS (4)

Shank, Daniel B. 2016. "Technology and Interaction" In *The Wiley-Blackwell Encyclopedia of Sociology, 2nd Edition*. Ed. George Ritzer.

Shank, Daniel B. 2014. "Book review of *eGods: Faith Versus Fantasy in Computer Gaming*, by William Sims Bainbridge." *Sociology of Religion* 75(1):175-176.

Shank, Daniel B. 2014. "Identities, Stress, and Health." In *The Wiley-Blackwell Encyclopedia of Health, Illness, Behavior, and Society*. Eds. William C. Cockerham, Robert Dingwall, and Stella Quah. Wiley-Blackwell.

Robinson, Dawn T. and Daniel B. Shank. 2009. "Affect Control Theory." In *Encyclopedia of Group Processes and Intergroup Relations*. Sage Publications.

MANUSCRIPTS

UNDER REVIEW

Shank, Daniel B. and Dawn T. Robinson. "Who's Responsible? How the Autonomy of Representatives Alters Customers' Emotion and Repurchase Intentions toward an Organization." *Revise and Resubmit, Journal of Consumer Marketing*.

UNDER PREPARATION

Lulham, Rohan and Daniel B. Shank. "How Consumer Products Modify Identities: An Extension of Affect Control Theory."

Shank, Daniel B. "Conflict among Hierarchical Levels: How Subgroups Alter Individual and Collective Contributions in Multilevel Social Dilemmas."

Shank, Daniel B., Yoshihisa Kashima, Garry Robins, and Michael Kirley. "An Integration of Cooperation and Migration as Social Rewards."

Evans, Jocelyn J., Sara Z. Evans, Daniel B. Shank, and Quinton P. Fallon. "Why do People Continue to Play Pokémon Go? How Making New Friendships Not Maintaining Olds Ones Motive Continued Involvement"

Shank, Daniel B., David Wright, Rohan Lulham, and Clementine Thurgood. "Perceived Benefits of Adopting Smart Home Products."

Shank, Daniel B., Brent Curdy, and Sarah Hercula. "How Phrasing of Groups and Individuals Changes People's Affective Meaning towards Them."

Shank, Daniel B. and Alexander Burns. "The Relationship of Affective Sentiments to Group Property Perceptions for Different Types of Groups."

Shank, Daniel B., Christopher Graves, Sophia Rodriguez, Alexander Gott, Alyssa DeSanti, and Patrick Gamez. "Perceiving Artificial Intelligence's Mind in Moral and Non-Moral Personal Interactions."

DeSanti, Alyssa and Daniel B. Shank. "Perceiving Moral Violations of Artificial Intelligence Agents and Humans after Joint or Individual Decision Making."

FUNDING (\$64,579)

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

"Technology Diffusion Patterns in Smart Living." *Best-In-Class Pilot Study Program*, College of Arts, Sciences, and Business, Missouri University of Science and Technology, 2017, to David Wright and Daniel B. Shank, \$13,200

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

"Designing Affectively." Centre for Contemporary Design Practices, University of Technology Sydney, 2015, to Rohan Lulham (collaborator Daniel B. Shank), \$2,363 [3,000 AUD]

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

Summer Doctoral Research Fellowship, University of Georgia, 2011, to Daniel B. Shank, \$3,000

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

AWARDS

Outstanding Author Contribution, Emerald Literati Network Awards for Excellence. "Gradations of Disappearing Digital Divides among Racially Diverse Middle School Students" in *Communication and Information Technologies Annual*. Emerald Group Publishing Limited, 2015

Bo Williams Research Award for Outstanding Ph.D. Student. Department of Sociology, University of Georgia, 2013

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

Graduate Paper Honorable Mention. "Affect toward Coercive Computers: Contrasting Affect Control with Social Exchange" *American Sociological Association: Mathematical Sociology Section*, 2010

Graduate Paper Award Winner. "Perceived Justice of Computers" *American Sociological Association: Social Psychology Section*, 2009

Odum Graduate Paper Award Winner. "Perceived Justice of Computers" *Southern Sociological Society*, 2009

PRESENTATIONS (28)

Shank, Daniel B. and Alyssa DeSanti. *Accepted 2018*. "Can an Artificial Intelligence Commit a Moral Wrong? Perceptions of Morality after Real-Life Moral Violations." *American Sociological Association*, Philadelphia

Shank, Daniel B. and Alyssa DeSanti. 2018. "Attributions of Morality and Mind to Real-Life Moral Violations Made by Artificial Intelligence." *Society for Personality and Social Psychology*, Atlanta

Shank, Daniel B., Yoshihisa Kashima, Kim Peters, Garry Robins, and Michael Kirley. 2017. "Norm Talk and Human Cooperation: Can We Talk Ourselves into Cooperation?" *American Sociological Association*, Montreal

Lulham, Rohan and Daniel B. Shank. 2017. "A New Direction in Identity Modification: Tangible Products as Modifiers of Identities." *Affect Control Theory Conference*, Hanover

Lulham, Rohan, Clementine Thurgood, and Daniel B. Shank. 2017. "An Affective Thesaurus for the Professional and the Curious." *Affect Control Theory Conference*, Hanover

Shank, Daniel B. and Rohan Lulham. 2017. "Amalgamated Affective Impressions: How Consumer Products Modify Identities." *International Society for Research on Emotion*, St. Louis

Shank, Daniel B. and Rohan Lulham. 2016. "Using Technology to Make an Impression." *Society of Australasian Social Psychologists*, Brisbane, Australia

Lulham, Rohan, Clementine Thurgood, and Daniel B. Shank. 2015. "An Affective Tool to Assist in Designing Innovations." *The International Association of Societies of Design Research*, Brisbane, Australia

Shank, Daniel B., Yoshihisa Kashima, Saam Saber, Thomas Gale, and Michael 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

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

Lulham, Rohan and Daniel B. Shank. 2015. "Products as Affective Modifiers of Social Identities." *International Society for Research on Emotion*, Geneva

Shank, Daniel B. and Dawn T. Robinson. 2014. "Organizational Representatives as Barriers and Conduits of Emotion toward Organizations." *American Sociological Association*, San Francisco

Shank, Daniel B. 2014. "Impressions of Goodness and Power for Computer Agents." *American Sociological Association*, San Francisco

Shank, Daniel B. and Rohan Lulham. 2014. "Salesclerks and the Unemployed with iPads and Ferraris: How Technology Products Modify Impressions of Identities." *Group Processes*, San Francisco

Cotten, Shelia R., Timothy M. Hale and Daniel B. Shank. 2014. "XO Laptops, One-to-One Computing, and a City's Effort to Eliminate the Digital Divide among Youth." *National Communication Association*, Chicago

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

Shank, Daniel B. and Shelia Cotten. 2013. "Does Technology Empower Urban Youth? The Relationship of Technology Use to Self-Efficacy." *American Sociological Association*, New York City

Shank, Daniel B., Shelia R. Cotten and William A. Anderson. 2013. "Gender, Technology Use and Ownership, and Media-Based Multitasking among Middle School Students." *Southern Sociology Society*, Atlanta

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

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

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

Shank, Daniel B. 2010. "An Affect Control Theory of Technology." *Southern Sociological Society*, Atlanta

Shank, Daniel B. 2009. "Perceived Justice of Computers." *Southern Sociological Society*, New Orleans (Invited as *Odum Graduate Paper Award Winner Presentation*)

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

Shank, Daniel B. 2008. "Affect toward Computers Who Coerce in Social Exchange." *American Sociological Association*, Boston

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

Shank, Daniel B. 2007. "Perceptions of Computers Who Coerce." *Group Processes*, New York City

Shank, Daniel B. 2007. "Affective Responses When Interacting With Computers." *Southern Sociological Society*, Atlanta

PEDAGOGY

CLASSES

Small Group Dynamics (Graduate)

2018. Missouri S&T (1 class of 15 in-person and distance students)

2017. Missouri S&T (1 class of 23 in-person and distance students)

Human Computer Interaction

2017. Missouri S&T (1 class of 24 students)

Social Psychology

2017. Missouri S&T (1 class of 29 students)

2016. Missouri S&T (1 class of 24 students)

2010. University of Georgia (3 classes of 10-30 students)

Group Dynamics

2017. Missouri S&T (1 class of 22 students)

2016. Missouri S&T (1 class of 14 students)

Psychological Science Theory & Practice Research Seminar

2014. University of Melbourne (1 class of 16 students)

Classic Sociological Theory

2011. University of Georgia (2 classes of 25-30 students)

Ethics and Social Issues

2008-2009. Abilene Christian University (2 classes of 40-50 online students)

OTHER TEACHING

Workshop Co-Presenter. "Effective Academic Oral Presentations." 2013. Undergraduate Research EXPO, University of Alabama at Birmingham (1 workshop)

Teaching Assistant. 2006-2008; 2011. University of Georgia (5 classes)

Interim High School Teacher. 2004. Memphis Harding Academy (5 classes)

STUDENTS

THESIS COMMITTEES

University of Melbourne

Hannah Bohan. 2015. Undergraduate Honors Degree in Psychology. Chair.

Susanne Hall. 2014. Undergraduate Honors Degree in Psychology. Co-Chair.

RESEARCH ASSISTANTS

Missouri University of Science and Technology

Alexander Burns (UG/Grad). Spring 2018-present.

Alexander Gott. Spring 2018-present. First Year Research Experience (FYRE) recipient.

Sophie Rodriguez. Spring 2018-present.

Christopher Graves. Fall 2017-present.

Alyssa DeSanti (Grad). 2017-present.

Armaja Larue-Hill. Fall 2017.

Kathryn Kickbusch. Summer-Fall 2017.

Brittany Benns. Spring 2017.

Selebyane Selemogwe. Spring 2017.

Payge Wyman. Fall 2016-Spring 2017.

University of Melbourne

Adriana Vargas Sáenz (UG/Grad). 2014-2016.

ADVISING

Undergraduate Psychology Advisor. 2017-present. Missouri University of Science and Technology

SERVICE

PEER REVIEWER (16 JOURNALS)

American Sociological Review

Communication Methods and Measures

Computers and Education

Computers in Human Behavior

Current Research in Social Psychology

Information, Communication & Society

International Journal of Human-Computer
Studies

PLoS ONE

Rubriq Reviews

Social Currents

Social Forces

Social Psychology Quarterly

Society and Mental Health

Sociological Forum

Sociological Inquiry

Socius

CONFERENCES

Session Organizer. 2015. "Emotions and Social Solidarity." *American Sociological Association*, Chicago

Symposium Co-Organizer. 2015. "Experimental Games: Structure, Motivation, and Collective Outcomes." *Society of Australasian Social Psychologists*, Newcastle, Australia

POSITIONS

Colloquium Series Coordinator, Department of Psychological Science, Missouri University of Science and Technology, 2017-present

Floor Warden, Melbourne School of Psychological Sciences, University of Melbourne, 2014-2016

Editor, *Sociology of Emotions Newsletter*, ASA Emotions Section, 2011-2013

Chair, Graduate Student Advisory Committee, ASA Social Psychology Section, 2011-2012

Membership Committee, ASA Social Psychology Section, 2010-2011

Graduate Student Council Member, ASA Mathematical Sociology Section, 2009-2010

Nomination Committee, ASA Social Psychology Section, 2008-2009

OUTREACH

Discover Days, Missouri University of Science and Technology, 2016-present

Judge, Graduate Research Showcase, Missouri University of Science and Technology, 2017

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

DEVELOPMENT

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

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

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

Grant Writing Course. 2013. University of Alabama at Birmingham

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

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

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

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

ASSOCIATIONS

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

Society for Personality and Social Psychology

Psychology of Technology