

Daniel Burton Shank

Department of Sociology
113 Baldwin Hall
University of Georgia
Athens, GA 30602-1611

706-542-2421 (department)
706-542-4320 (fax)
dbshank@uga.edu

EDUCATION

- 2011 **Ph.D.** Sociology, University of Georgia (anticipated)
Dissertation: "Social Intelligent Technology: Interaction and Identity" (working title)
Committee: Dawn T. Robinson (Chair), Jody Clay-Warner, James W. Balkwell
- 2008 **M.A.** Sociology, University of Georgia
Thesis: "Affect toward Computers Who Coerce in Social Exchange"
Committee: Dawn T. Robinson (Chair), Jody Clay-Warner, James W. Balkwell
- 2006 **M.S.** Artificial Intelligence, University of Georgia
Thesis: "Dew Point Temperature Prediction Using Artificial Neural Networks"
Committee: Ronald W. McClendon (Chair), Gerrit Hoogenboom, Michael A. Covington, Walter D. Potter
- 2003 **B.A.** Computer Science, Harding University, Searcy, Arkansas

PUBLICATIONS

- Shank, Daniel B. "Perceived Justice of Coercive Computers." *Under review: American Sociological Review*.
- Southern Sociological Society 2009 Odum Graduate Paper Award Winner
- American Sociological Association Social Psychology Section 2009 Graduate Paper Award Winner
- Shank, Daniel B., Forthcoming. "Trusting Technological Actors: A Theoretical Foundation" *In Trust and Technology in a Ubiquitous Modern Environment: Theoretical and Methodological Perspectives*. Eds. Dominika Latusek and Alexandra Gerbasi. IGI Global. Hershey, PA.
- Robinson, Dawn T. and Daniel B. Shank. Forthcoming, 2009. "Affect Control Theory." In *Encyclopedia of Group Processes and Intergroup Relations*. Sage Publications. Thousand Oaks, CA.
- 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: a Journal of the American Meteorological Association*. 47(6): 1757-1769.

PAPERS IN PROGRESS

- Shank, Daniel B. "Affect toward Computers Who Coerce in Social Exchange."
- Shank, Daniel B. "Georgia 2008 Affect Control Theory Technology Dictionary."

RESEARCH EXPERIENCE

- 2006-present Laboratory for the Study of Social Interaction (LaSSI), Department of Sociology,
University of Georgia
2008-present Laboratory Manager
2006-2008 Associate Laboratory Manager
- Experimenter, *Selective Interaction for Identity Maintenance with Inferred Measures of Emotion*
 - Principle Investigator, Programmer, Coordinator and Experimenter, *Perceptions of Computers Who Coerce*
 - Programmer, Coordinator, and Experimenter, *Emotional and Behavioral Reaction to Overreward*
 - Experimenter, *Inferred and Physiological Measurements of Affect and Emotion in Response to Photos*
- 2008 Collection of an Affect Control Theory Dictionary, University of Georgia
- Principle Investigator, Survey Designer and Survey Collector, *Affect Control Theory Technology Dictionary*
- 2005-2006 Research Assistant, Georgia Automated Environmental Monitoring Network Project, Decision Support Systems Laboratory, Biological and Agricultural Engineering Department, University of Georgia
- Designer, Programmer, Experimenter, *Artificial Neural Networks for Predicting Dew Point Temperature*
- 2003-2004 Laboratory Assistant, UltraLog Project funded by Defense Advanced Research Projects Agency, Intelligent Security Systems Research Laboratory (ISSRL), Computer Science Department, University of Memphis
- Coordinator and Debug Tester, *Security and Communication Systems using Artificial Immune Systems*
- 1998-1999 Laboratory Assistant, Advanced Learning Technologies Laboratory, Institute for Intelligent Systems, Psychology Department, University of Memphis
- Programmer and Experimenter, *AutoTutor Class Teaching System*

PRESENTATIONS

- 2009 “Perceived Justice of Computers” Odum Graduate Paper Award, Southern Sociology Society Annual Meeting, New Orleans, Louisiana
- 2008 “Perceived Justice in Social Exchange: The Effects of Computer Identity and Gender” The Georgia Workshop on Culture, Power, and History, Center for the Humanities and Arts, University of Georgia
- 2008 “Affect toward Computers Who Coerce in Social Exchange” American Sociological Association Annual Meeting, Boston, Massachusetts
- 2008 “Injustice in Social Exchange: The Effects of Computer Identity and Gender” Group Processes Conference, Boston, Massachusetts

- 2007 "Perceptions of Computers Who Coerce" Group Processes Conference, New York City, New York
- 2007 "Affective Responses When Interacting With Computers" Southern Sociological Society Annual Meeting, Atlanta, Georgia
- 2007 "Ensemble Artificial Neural Networks for Dew Point Temperature Prediction" Georgia Graduate Student Interdisciplinary Conference, University of Georgia
- 2006 "Dew Point Temperature Prediction Using Artificial Neural Networks" Practical Artificial Intelligence Workshop, Artificial Intelligence Center, University of Georgia
- 2003 "Artificial Intelligence Learning Algorithms for Two-Player, Perfect-Information Games" Senior Seminar, Computer Science Department, Harding University

RESEARCH INTERESTS

Social Psychology	Group Processes	Symbolic Interactionism
Social Exchange	Emotions	Justice
Mathematical Sociology	Computational Sociology	Artificial Intelligence
Social Simulations	Social Networks	Transhumanism

TEACHING EXPERIENCE

- 2008-2009 Instructor, Department of Sociology and Family Studies, Abilene Christian University, Abilene, Texas
Undergraduate: Ethics and Social Issues (Online)
- 2006-2008 Teaching Assistant, Department of Sociology, University of Georgia
Undergraduate: Introductory Sociology, Social Interaction, Advanced Social Psychology
- 2004 Interim Teacher, Memphis Harding Academy, Memphis, Tennessee
High School: Calculus, Pre-Calculus, Algebra 2

AWARDS AND HONORS

- 2009 Graduate Paper Award for "Perceived Justice of Computer," American Sociological Association: Social Psychology Section
- 2009 Odum Graduate Paper Award for "Perceived Justice of Computers," Southern Sociological Society
- 2003 Software Development "Othello Remix" First Place Team, Computer Science Department, Harding University
- 2003 Artificial Intelligence Super Bowl Tournament "Othello Remix" First Place Team, Computer Science Department, Harding University
- 2000-2003 Outstanding Service Award, Programming Team, Computer Science Department, Harding University
- 1999-2003 Trustee Scholarship, Harding University
Full-tuition, four-year scholarship

PROFESSIONAL DEVELOPMENT AND SERVICE

Computational Analysis of Social and Organizational Systems, Carnegie Mellon University
2007 Certificate in Dynamic Network Analysis and Computational Organization Theory

Sociology Graduate Society, University of Georgia
2008-2009 President
2007-2008 Representative to the Faculty

Sociology Department, University of Georgia
2007-2009 Mentor in program for mentoring first-year graduate students
2008 Pro-seminar presenter "Navigating the IRB."
2007 Pro-seminar presenter "What I Learned My First Year."

American Sociological Association
Sections Social Psychology, Communication and Information Technologies,
Mathematical Sociology, Sociology of Emotions
2008-2009 Nomination Committee, Social Psychology Section

Other Memberships Southern Sociological Society, International Network for Social Network Analysis
Phi Kappa Phi Honors Society

REFERENCES

Dawn T. Robinson
Associate Professor, Department of Sociology, University of Georgia
706-542-8948
sodawn@uga.edu

Jody Clay-Warner
Associate Professor, Department of Sociology, University of Georgia
706-542-3217
jclayw@uga.edu

James W. Balkwell
Professor Emeritus, Department of Sociology, University of Georgia
balkwell@uga.edu

Ronald W. McClendon
Professor, Biological and Agricultural Engineering, Faculty of Engineering, Faculty Fellow, Institute of
Artificial Intelligence, University of Georgia
706-542-0882
rwmcc@enr.uga.edu