Jeffrey D. Wall

Curriculum Vitae

School of Business and Economics, MTU ◆ 906-487-1707 ◆ jdwall@mtu.edu ◆ updated 09/10/2018

Education

Ph.D., Information Systems (Concentration in Sociology)
University of North Carolina at Greensboro   Aug 2015

M.S., Public Administration (Minor in IS)
Brigham Young University   Apr 2011

B.A., Organizational Communication (Minor in Psychology)
University of Utah   Dec 2007

A.S., General Studies
Salt Lake Community College   Dec 2005

Academic Experience

Assistant Professor
Michigan Technological University   Aug 2015 – Present

Ph.D. Candidate and Instructor
University of North Carolina at Greensboro   Aug 2011 – Apr 2015

Teaching and Research Assistant
Brigham Young University   Aug 2010 – Apr 2011

Dissertation

1. **Wall, Jeffrey D.** (2015). Toward a behavioral contingency theory of security-related corruption control: Understanding the behavioral influence of informal social controls.

   Committee chair: Prashant Palvia
   Committee members: Hamid Nemati, John D'Arcy, and Sarah Daynes

Peer Reviewed Journal Publications

I have attempted to develop relationships with faculty outside of the IS department and outside of my institution. I believe that developing these relationships can improve the diversity and quality of research ideas.

* Researchers from other departments at my same institution.
** Researchers from other institutions.

1. **Jiang, Ling, **Mirkovski, Kristijan, **Wall, Jeffrey D.,** **Wagner, Christian, and Lowry, **Paul Benjamin (2018). Proposing the Core Contributor Withdrawal Theory (CCWT) to Understand Core Contributor Withdrawal from Online Peer-Production Communities. *Internet Research*, 28(4).

2. **Wall, Jeffrey D.** and Singh, Rahul (2018). The Organization Man and the Innovator: Theoretical archetypes to inform behavioral information security research. *The Data Base for Advances in Information Systems*, 49(SI).

3. **Wall, Jeffrey D.** and Buche, Mari W. (2017). To fear or not to fear? A critical review and analysis of fear appeals in the information security context. *Communications of the Association for Information Systems*, 41(1), p. 277-300.

4. **Wall, Jeffrey D.** and Singh, Rahul (2017). Contextualized meaning extraction: A meta-algorithm for big data text mining with pragmatics. *International Journal of Organizational and Collective Intelligence*, 7(3), p. 15-29.

5. **Wall, Jeffrey D.**, **Lowry, Paul Benjamin, and **Barlow, Jordan (2016). Organizational violations of externally governed privacy and security rules: Explaining and predicting selective violations under conditions of strain and excess. *Journal of the Association for Information Systems*, 17(1), p. 39-76.

6. **Wall, Jeffrey D.**, **Stahl, Bernd C., and Salam, A.F. (2015). Critical discourse analysis as a review methodology: An empirical example. *Communications of the Association for Information Systems*, 37(1), p. 257-285.

7. **Wall, Jeffrey D.**, **Knapp, Janice (2015). Learning computing topics in undergraduate information systems courses: Managing perceived difficulty. *Journal of Information Systems Education*, 25(3), p. 245-259.

8. Nemati, Hamid, **Wall, Jeffrey D.**, and *Chow, Anthony (2014). Privacy coping and information sharing behaviors in social media: A comparison of Chinese and U.S. users. *Journal of Global Information Technology Management*, 17(4), p. 228-249.

9. **Wall, Jeffrey D.**, Palvia, Prashant, and **Lowry, Paul Benjamin (2013). Control-related motivations and information security policy compliance: The role of autonomy and efficacy. *Journal of Information Privacy and Security*, 9(4), p. 52-79.

Peer Reviewed Conference Proceedings, Presentations, and Workshops

* Researchers from other departments at my same institution.
** Researchers from other institutions.

1. **Wall, Jeffrey D.**, Buche, Mari (2017). Integrating outcome oriented policy in information security policies: An examination of security perceptions, motivations, and intentions. *Proceedings of 2017 IFIP 8.11/11.13 Dewald Roode Information Security Research Workshop*, St. Pete Beach, FL.

2. **Wall, Jeffrey D.**, Buche, Mari (2016). The influence of outcome-oriented security policy on security perceptions and intentions. *Proceedings of the 11th Midwest Association for Information Systems Conference*, Milwaukee, WI.

3. Singh, Rahul, **Wall, Jeffrey D.**, and **Dhillon, Gurpreet (2014). Archetypes to inform information security: The Organization Man and the Innovator. *Proceedings of the 20th Americas Conference on Information Systems*, Savannah, GA.

4. **Wall, Jeffrey D.**, **Stahl, Bernd, and *Daynes, Sarah (2014). Critical discourse analysis as a theory and review methodology. *Proceedings of the 20th Americas Conference on Information Systems*, Savannah, GA.

5. Nemati, Hamid, **Wall, Jeffrey D.**, and *Chow, Anthony (2013). An exploratory study of privacy coping and information sharing behaviors in social media: A comparison of US and Chinese users. Accepted to the *International Conference on Information Systems 2013*, Milan, Italy.

6. **Wall, Jeffrey D.**, Lakshmi, Iyer, Salam, Al F., **Siponen, Mikko (2013). Conceptualizing employee compliance and noncompliance in information security research: A review and research agenda. *Proceedings of the 2013 Dewald Roode Information Security Workshop*, Buffalo, NY.

7. **Wall, Jeffrey D.**, Palvia, Prashant, **D'Arcy, John (2013). A review and typology of security-related corruption controls: Setting an agenda for studying the behavioral effects of security countermeasures. *Proceedings of the 2013 Dewald Roode Information Security Workshop*, Buffalo, NY.

8. **Wall, Jeffrey D.**, Iyer, Lakshmi, and Salam, A. F. (2013). Are conceptualizations of compliance and noncompliance in information security research adequate? Developing taxonomies of compliance and noncompliance. *Proceedings of the 19th Americas Conference on Information Systems*, Chicago, IL.

9. **Wall, Jeffrey D.**, and Palvia, Prashant (2013). Control-related motivations and information security policy compliance: The effect of reflective and reactive autonomy. *Proceedings of the 19th Americas Conference on Information Systems*, Chicago, IL.

10. **Wall, Jeffrey D.**, Gargeya, Vidyaranya, and *Lowe, Kevin (2013). Selective organizational deviance: A model of information deviance in supply chains. Presented at the *73rd Annual Meeting of the Academy of Management*, Orlando, FL.

11. **Wall, Jeffrey D.** and Iyer, Lakshmi S. (2012). The dark side of leadership in information systems security: A model of the effect of manager transgressions on employee security behaviors. *Proceedings of the 18th Americas Conference on Information Systems*, Seattle, WA.

12. **Wall, Jeffrey D.** and Singh, Rahul (2012). The Organization Man and The Innovator: Sociological archetypes to inform organizational information security research. Presented at a plenary session of the *11th Annual Security Conference*, Las Vegas, NV.

13. **Wall, Jeffrey D.** and Nemati, Hamid (2012). Social engineering self-efficacy: Social engineering awareness, recognition, and response. *Proceedings of the 43rd Annual Meeting of the Decision Sciences Institute*, San Francisco, CA.

14. **Lowry, Paul Benjamin, **Wall, Jeffrey D.**, and Selfridge, James (2011). Why do Healthcare Organizations Choose to Violate Information Technology Privacy Regulations? Proposing the Selective Information Privacy Violations in Healthcare Organizations Model (SIPVHOM). Presented at the *10th JAIS Theory Development Workshop (pre-ICIS)*, Shanghai, China.

Research Under Review and In-Progress

*   Researchers from other departments at my same institution.
**   Researchers from other institutions.

1. **Wall, Jeffrey D.** and **Warkentin, Merrill (under review; third round). Perceived argument quality's effect on threat and coping appraisals in fear appeals: An experiment and exploration of realism check heuristics.

Status and Description: The paper is currently under review at a quality IS journal. The paper seeks to explain and predict the effect thatthe detail of a threat message exerts on threat and efficacy perceptions. The paper also explores whether common heuristics in the use of heuristics checks are valid. The paper employs an experimental design.

2. **Wall, Jeffrey D.**, Palvia, Prashant, and **D'Arcy, John (under review; first round). Theorizing the behavioral effects of control complementarity in security control portfolios.

   Status and Description: A draft of the paper was accepted to the 2013 Dewald Roode Information Security Workshop in Buffalo, NY. The paper is currently under review at a high quality IS journal. The theory and review paper seeks to improve typologies of organizational corruption-controls found in management literature in order to provide direction in studying the behavioral effects of interactions between different security controls commonly used in organizations to improve internal compliance with security policy.

3. **Wall, Jeffrey D.** and Palvia, Prashant (under review; first round). Stories of compliance and noncompliance: Understanding employees' information security identities and values.

   Status and Description: This paper is derived from the qualitative study from my dissertation. The paper is currently under review at ISJ. The paper examines interviews from 20 individuals to explore different narratives of compliance and noncompliance using narrative analysis techniques. The paper finds themes and patterns in the narratives.

4. **Wall, Jeffrey D.**, **Lowe, Kevin, **Lowry, Paul Benjamin, **Mirkovski, Kristijan, and Gargeya, Vidyaranya (preparing). Explaining selective opportunism in supply chains: Proposing the selective information poaching in supply chains model (SIPISCM).

   Status and Description: The paper is complete and is being prepared for an October 15th special issue deadline at a high quality operations management journal. A previous draft of the paper was presented at the 73rd Annual Meeting of the Academy of Management in Orlando, FL. The paper is conceptual in nature, but also includes a case based on secondary data to provide a proof of concept. It seeks to explain why and under what conditions organizations choose to poach information shared by supply chain partners.

5. **Wall, Jeffrey D.** and Buche, Mari (under development). The influence of outcome-oriented security policy on security perceptions and intentions.

   Status and Description: The paper was presented at the 11th Midwest Association for Information Systems conference. We have since developed a survey instrument and fleshed out the experimental design that will be employed in the study. We are preparing IRB documents and will conduct a pilot study shortly. The paper explores the idea that outcome oriented policy can enhance compliance with procedural security policy.

6. **Wall, Jeffrey D.** (under development). Quantitative Dissertation Papers.

   Status and Description: Based on my dissertation research, I am carving out two quantitative papers. The quantitative papers will use structural equation modeling to show how Aker's social learning theory can be used to explain information security behaviors. One paper is based on a U.S. dataset collected for the dissertation. The other paper is based on the U.S. dataset and a comparative dataset from India to identify cultural/political differences in security behavior.

Academic Citizenship and Service

Ad Hoc Peer Reviewer (Peer-Reviewed Journals)
Communication of the Association for Information Systems (CAIS)
Decision Sciences (DS)
European Journal of Information Systems (EJIS)
Information & Management (I&M)
Information Systems Journal (ISJ)
Journal of the Association for Information Systems (JAIS)

Internet Research (IR)

Ad Hoc Peer Reviewer (Conferences and Workshops)
Americas Conference on Information Systems (AMCIS)
Business Intelligence Congress (BIC)
Design Science Research in Information Systems and Technology (DESRIST)
Dewald Roode IFIP Workshop
Global Information Technology Management Association World Conference (GITMA)
International Conference on Information Systems (ICIS)
Pacific Asia Conference on Information Systems (PACIS)

Program Co-Chair
Dewald Roode IFIP Workshop (2017) – managed 10 papers

Masters of Data Science Executive Committee at MTU (interdisciplinary program)
Committee Member   Fall 2018 – Present

MBA Program Committee at MTU
Committee Member   Fall 2016 – Present

Undergraduate Program Committee at MTU
Committee Member   Fall 2015 – Spring 2016

Information Systems Student Organization at MTU
Advisor   Fall 2015 – Present

Graduate Student Association (GSA) at UNCG
GSA Senator for the Information Systems Department   Fall 2013

Teaching Experience and Evaluations

Michigan Technological University
- IS Management and Data Analysis (BA 5200)
    - Fall 2017 (46 students)   4.80/5.00 rating
    - Fall 2016 (38 students)   4.78/5.00 rating
- Systems Design for Entrepreneurs (MIS 4990)
    - Fall 2018 (in session)   in session
- Business Intelligence (MIS 3400)
    - Spring 2018 (17 students)   4.88/5.00 rating
- Systems Analysis and Design (MIS 3200)
    - Fall 2018 (in session)   in session
    - Fall 2017 (15 students)   4.87/5.00 rating
    - Fall 2016 (15 students)   4.67/5.00 rating
- Business Database Management (MIS 3100)
    - Spring 2018 (28 students)   4.88/5.00 rating
    - Spring 2016 (24 students)   4.91/5.00 rating
- Business Process Analysis (MIS 3000)
    - Fall 2018 (in session)   in session
    - Spring 2017 (13 students)   4.82/5.00 rating
    - Fall 2015 (6 students)   4.50/5.00 rating
- IS/IT Management (MIS 2000)
    - Spring 2017 (39 students)   4.76/5.00 rating

- Spring 2016 (32 students)   4.72/5.00 rating
- Fall 2015 (24 students)   4.65/5.00 rating

University of North Carolina at Greensboro
- Telecommunication and Distributed Networks (ISM 673)
  - Spring 2015 (~30 online students)   rating unavailable
- Secure Networked Systems (merged ISM 321 & ISM 324)
  - Spring 2015 (~60 students)   rating unavailable
- Information Systems Security (ISM 324)
  - Spring 2014 (63 students)   4.72/5.00 rating
- Business Processes and IT (ISM 280)
  - Fall 2014 (~60 students)   rating unavailable
- Programming 1 (ISM 240)
  - Fall 2014 (~60 students)   rating unavailable
- Website Design and Development (ISM 116)
  - Fall 2013 (56 students)   4.78/5.00 rating
  - Spring 2013 (35 students)   4.78/5.00 rating
  - Fall 2012 (60 students)   4.79/5.00 rating
  - Spring 2012 (60 students)   4.47/5.00 rating

Awards and Grants

Top 10% in Teaching Evaluations across Campus   2015-2018
(Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2018)
Michigan Technological University/Provost

Finalist for 2018 Distinguished Teaching Award   Jan 2018
Michigan Technological University

Inducted into Academy of Teaching Excellence   May 2017
Michigan Technological University

Finalist for 2017 Distinguished Teaching Award   Jan 2017
Michigan Technological University

SBE Teaching Award
School of Business and Economics   Apr 2016

Nominated for Outstanding Faculty Award
Order of Omega Greek Life Honor Society   Mar 2016

Academic Excellence Award
University of North Carolina at Greensboro   Aug 2015

Outstanding Graduate Teaching Award
University of North Carolina at Greensboro   Apr 2015

Best Reviewer Award
Dewald Roode IFIP Security Workshop   Oct 2013

Research Grant ($2,500)
Local Company (confidential)   Aug 2013

Research Grant ($2,000)
UNCG Graduate School   May-Aug 2013

Research Grant ($2,000)
UNCG Graduate School   May-Aug 2012

Teaching in Excellence Award
National Society of Leadership and Success (Sigma Alpha Pi)   Apr 2012

Industry Experience

SaaS Software Developer (LAMP (Perl)/XML)
Epromo Solutions: Provo, UT   Jan 2009 – Jul 2010

Owner; Website Developer (LAMP (PHP)); Textbook Sales
Advanced World Academics: Bountiful, UT   Aug 2007 – Sep 2008

Website Developer (LAMP (PHP)); Book Sales
Sam Weller's Bookstore: Salt Lake City, UT   Oct 2007 – Apr 2008

Owner; Website Designer (Photoshop/HTML/CSS)
JMSB Web Solutions: Bountiful, UT   Jan 2006 – Jan 2008

Website Designer (HTML/CSS)
Ability Online: Salt Lake City, UT   Apr 2005 – Dec 2005

Consulting (with student-led groups)

Systems/Process Analysis Consulting
Northern Hardwoods: South Range, MI   Aug 2017 – Dec 2017
Rozsa Center for the Performing Arts: Houghton, MI   Aug 2017 – Dec 2017
Michigan Tech IT Operations: Houghton, MI   Aug 2017 – Dec 2017
Michigan Tech IT Procurement: Houghton, MI   Aug 2017 – Dec 2017
Michigan Tech IT Procurement: Houghton, MI   Jan 2016 – Apr 2016
Rodeo Mexican Grill: Houghton, MI   Jan 2016 – Apr 2016
OcuGlass: Calumet, MI   Jan 2016 – Apr 2016
Peterlin Distributing: Houghton, MI   Aug 2016 – Dec 2016
Stanson Plastic Products: Chennai, India   Aug 2016 – Dec 2016
31 Backpacks: Houghton, MI   Aug 2015 – Dec 2015

Web Design and Development Consultant
Several small businesses and nonprofits: Greensboro, NC   Jan 2011 – May 2015

Communication Consultant
Local company (confidential): Greensboro, NC   Aug 2013 – Sep 2013
Turn Community Services: Salt Lake City, UT   Sep 2007 – Dec 2007

Program Evaluation Consultant
BYU Public Administration Department: Provo, UT   Sep 2010 – Dec 2010

Orem Department of Safety: Orem, UT   Jan 2010 – Apr 2010

Decision Analysis Consultant
Salt Lake City Police Department: Salt Lake City, UT   Sep 2009 – Dec 2009

Technical Skills

Programming and Coding: Object-oriented programming, service-oriented architecture (SaaS development and micro-services), PHP, Perl, Visual Basic, Javascript, HTML, CSS, some Python (neural networks), some Java and Objective C (simple mobile app development), Eclipse, Visual Studio, and Dreamweaver

Database/Analytics: MS SQL Server, SQL Server Integration Tools, Tableau, MySQL, MySQL Workbench, PHPMyAdmin, some MongoDB (nosql), and Excel pivot tables

Statistics/Data Science: univariate and multivariate statistics, PLS-SEM, SEM (LISREL), support vector machine (LibSVM), and Inception v4 CNN

Networking and Security: Client-server architecture, virtualization, Linux (CentOS and Ubuntu), Apache, RADIUS, Kali Linux toolset (e.g., Nmap, Wireshark, Aircrack-ng, Reaver), and Metasploit

Teaching Interests and Teaching Philosophy

My primary teaching interests include: systems analysis and design, website design and development, programming, database design, business intelligence, information security, and networking. However, my teaching interests are not necessarily bound to particular topics. I am willing to prepare and teach a variety of courses. As evidenced by my evaluations, I am capable of teaching a variety of courses in a way that students are satisfied with their experience.

My goals as an instructor are to help students develop foundational IS skills, prepare students to contribute to knowledge generation in their future organizations, and promote learning and collaboration in team settings. My teaching philosophy is rooted in the idea that students must learn to assimilate knowledge through personal experience and critical thinking, and through collaboration with peers. This learning/teaching style simulates the process of learning that often occurs in organizational settings. For this reason, I believe in experiential and social learning (Vygotsky).

Based on my teaching philosophy, I see my roles in the classroom as that of a mentor and facilitator. As a mentor, my role is to direct student learning through lectures and hands-on activities. Through lecture and discussion, I provide students with a working vocabulary and theoretical understanding of a topic area. I then engage students in self-directed, hands-on activities to help them develop skills, think critically, and apply knowledge related to the particular topic area. I promote reflection of classroom experiences to facilitate further learning. As a facilitator, I promote group collaboration and advise students to seek peer assistance when they are unable to proceed with a learning exercise. I also engage students with community partners, IS professionals, and real-world projects to expand their perspectives and hone their skills.

I also believe that students need adequate resources to learn IS skills. However, I recognize that resources are not always readily available. I am excellent at identifying alternative sources of resources to assist students in their learning. For example, I developed a simple network for my security class at UNCG to allow students to practice penetration testing. I have also worked with alumni to received used equipment for an IS student lab at MTU.

Research Interests

Behavioral information security; information privacy; deviant behavior; organizational deviance; social learning; social influence; global privacy and security issues and behavior

I have a strong interest in deviance and compliance. As evidenced by my published and forthcoming research, I study and will continue to study deviance and compliance at the organizational and individual levels. I am interested in understanding what deviance and compliance are in IT settings, and what factors affect individual and organizational behavior. Much of my research fits cleanly within behavioral information security research. Since 2009, behavioral information security research has gained status in all of the IS discipline's top journals, yet it is still in a nascent state. This research area provides ample room for research contribution. I am working on several theory and review papers that seek to understand and organize the study of compliance and noncompliance, and management interventions in security contexts to provide an agenda for future research. These papers provide several directions for my own research. The theory and review papers also reflect my interest in theory development. I currently have a paper under review at CAIS that proposes a new theory and review method to be used in IS research.

Although much of my research currently focuses on deviance and compliance by employees in organizational settings, I am also interested in hacking and other forms of cybercrime and cyberterrorism, financial fraud, and deviance in supply chains (e.g., opportunism). I am also branching into data science research. I have conducted research on deviance and compliance in multiple settings, including: for-profit organizations, governments, healthcare organizations, and supply chain settings. I am also concerned with understanding susceptibility to security violations caused by privacy behaviors (e.g., information sharing and privacy coping behaviors). I am currently working on critical, interpretive, and positivist research studies and I feel comfortable working under each paradigm. I also use a variety of research methods, such as interviews, analysis of secondary data, surveys, and scenario-based experiments.