

Dr. Jeffrey L. Jenkins
Assistant Professor
Information Systems Department
Marriott School of Management
Brigham Young University

776 TNRB
Brigham Young University
Provo, UT 84602

Email: jjenkins@byu.edu
Phone: +1 (385) 335-9856
marriottschool.byu.edu/is/

EDUCATION

Doctor of Philosophy in Management 2013

Eller College of Management, University of Arizona, Tucson, AZ

Major: Management Information Systems; *Minor:* Computational Linguistics

Certifications: Certification in College Teaching

Dissertation Title: Alleviating Insider Threats: Mitigation Strategies and Detection Techniques

Dissertation Committee: Joseph S. Valacich (co-advisor), Jay F. Nunamaker Jr. (co-advisor), Alexandra Durcikova, Salim Hariri

Honors: 2012 ICIS Doctoral Consortium
National Science Foundation Fellow
Science Foundation Arizona Fellow

Master of Science in Information Systems Management 2009

Marriott School of Management, Brigham Young University, Provo, UT

Emphasis: PhD Preparation Track

Honors: High Distinction
MISM Outstanding Graduate Student Award Recipient
Phi Kappa Phi Distinction

Bachelor of Science in Information Systems 2009

Marriott School of Management, Brigham Young University, Provo, UT

Honors: Magna cum Laude

Associate of Science in Information Systems 2006

Brigham Young University-Idaho, Rexburg, ID

Honors: Magna cum Laude

RESEARCH STATEMENT

My research analyzes how people use the computer mouse, touchscreen, keyboard and other computer input devices to detect the user's cognitive and emotional states. I apply this to a variety of settings, including behavioral information security (e.g., understanding the cognition

of how users' make security decisions), fraud detection (e.g., detecting suspicious behaviors in online forms and applications), and usability (e.g., detecting when users are frustrated).

JOURNAL PUBLICATIONS

01. Jenkins, J.L., Proudfoot, J.G., Valacich, J.S., Nunamaker, J.F. (forthcoming) "Sleight of Hand: Identifying Insider Threats by Monitoring Mouse-Cursor Movements". *Journal of the Association for Information Systems*.
02. Vance, Anthony; Jenkins, Jeffrey L.; Anderson, Bonnie Brinton; Bjornn, Daniel; Kirwan, Brock (forthcoming) "Tuning Out Security Warnings: A Longitudinal Examination of Habituation through fMRI, Eye Tracking, and Field Experiments". *MIS Quarterly*.
03. Hibbeln, M., Jenkins, J. L., Schneider, C., Valacich, J. S., Weinmann, M. (authors listed alphabetically) (2017) "How Is Your User Feeling? Inferring Emotion Through Human-Computer Interaction Devices". *MIS Quarterly*. Vol. 41 (1), pp. 1-21.
04. Williams, P.A., Jenkins, J.L., Valacich, J.V., Byrd, M.D. (2017) "Measuring Actual Behaviors in HCI Research – A call to Action and an Example," *AIS Transactions on Human-Computer Interaction* (9) 4, pp. 339-352
05. Jenkins, J., Anderson, B., Vance, A., Kirwan, B., Eargle, D. (2016) "More Harm than Good? How Security Messages that Interrupt Make Us Vulnerable," *Information Systems Research*. vol. 22 (4), pp. 880–896. Awards: 2016 Best Paper Award ISR
06. Anderson, B.B., Vance, A., Kirwan, C.B., Jenkins, J. and Eargle, D. (2016) "From warnings to wallpaper: Why the brain habituates to security warnings and what can be done about it." *Journal of Management Information Systems*. vol. 33 (3), pp. 713-743.
07. Anderson, B.B., Vance, A., Kirwan, C.B., Jenkins, J. and Eargle, D. (2016). "Your Memory is Working Against You: How Eye Tracking and Memory Explain Habituation to Security Warnings" *Decision Support Systems*. vol. 92, pp. 3–13.
08. Proudfoot, J. G., Jenkins, J. L., Burgoon J. K., Nunamaker J. F. (2016) "More Than Meets the Eye: How Oculometric Behaviors Evolve Over the Course of Automated Deception Detection Interactions" *Journal of Management Information Systems*. vol. 33 (2), pp. 332-360.
09. Anderson, B., Vance, A., Kirwan, B., Eargle, D., Jenkins, J. (2016) "How Users Perceive and Respond to Security Messages: A NeuroIS Research Agenda and Empirical Study," *European Journal of Information Systems*. vol. 25, pp. 364-390.
10. Dunbar, N. E., Miller, C. H., Adame, B. J., Elizondo, J., Wilson, S. N., Lane, B. L., Kauffmane, A. A., Bessarabova, E., Jensen, M. L., Straub, S. K., Lee, Y., Burgoon, J. K., Valacich, J. J., Jenkins, J. L., Zhang, J. (2014) "Implicit and Explicit Training in the

Mitigation of Cognitive Bias Through the Use of a Serious Game”. *Computers in Human Behavior*. vol. 37 (1), pp. 307-318.

11. Lowry, P. B., Twyman, N., Pickard, M., Jenkins, J. L., and Bui, Q. N. (2014). “Proposing the Affect-Trust Infusion Model (ATIM) to Explain and Predict the Influence of High- and Low-Affect Infusion on Web-Vendor Trust”. *Information & Management*. vol. 51 (5), pp. 579-594.
12. Derrick, D. C., Meservy, T., Jenkins, J. L., Nunamaker Jr., J. F. (2013) “Detecting Deceptive Chat-based Communication”. *Transactions on Management Information Systems*. vol. 4(2). Article number: 9.
13. Jenkins, J. L., Grimes, M., Proudfoot, J. G., Lowry, P. B. (2013) Improving password cybersecurity through inexpensive and minimally invasive means: Detecting and deterring password reuse through keystroke- dynamics monitoring and just-in-time warnings. *Information Technology for Development*. vol. 17 (4), pp. 289-305.
14. Jenkins, J. L., Durcikova, A., Burns, M. B., (2013). “Simplicity is Bliss: Controlling Extraneous Cognitive Load in Online Security Training to Promote Secure Behavior”. *Journal of Organizational and End User Computing*, vol. 25(3), 17 pages.
15. Thatcher, S. M. B., Brown, S. A., Jenkins, J. L., (2012). “E-Collaboration Media Use and Diversity Perceptions: An Evolutionary Perspective of Virtual Organizations”. *International Journal of e-Collaboration (IJeC)*, vol. 8(2), 17 pages.
16. Jensen, M. L., Lowry, P. B., Jenkins, J. L. (2011). “Effects of Automated and Participative Decision Support in Computer-Aided Credibility Assessment”. *Journal of Management Information Systems (JMIS)*, vol. 28(1), pp. 201-233.
17. Derrick, D. C., Jenkins, J. L., Nunamaker Jr., J. F. (2011). “Design Principles for Special Purpose, Embodied, Conversational Intelligence with Environmental Sensors (SPECIES) Agents”. *Transactions on Human-Computer Interaction (THCI)*, vol. 3(2), pp. 62-81.
18. Lowry, P. B., Moody, G., Vance, A., Jensen, M., Jenkins, J. L., and Wells, T. (2011). “Using an Elaboration Likelihood Approach to Better Understand the Persuasiveness of Website Privacy Assurance Cues for Online Consumers”. *Journal of the American Society for Information Science and Technology*, vol. 63(4), pp. 755-766.
19. Lowry, P. B., Romano, N. C., Jenkins, J. L., and Guthrie, R. W., (2009). "The CMC Interactivity Model: How Interactivity Enhances Communication Quality and Process Satisfaction in Lean-Media Groups”. *Journal of Management Information Systems (JMIS)*, vol. 26(1), pp. 159-200.

01. Grimes, M., Nunamaker, J.F., Valacich, J.S., Burgoon J.K., Twyman, N., Jenkins, J.L., Proudfoot, J.G. (2018) "Controlled Realism in Behavioral Research: Nine Lessons for Designing Experiments that Maximize both Control and Realism". Credibility Assessment and Screening Technologies, Hawaii International Conference on Computer and Systems Sciences. Hawaii, January 3-6.
02. Valacich, J.S., Byrd, M., Williams, P., Jenkins, J.L. (2018) "A Research Protocol for Examining Countermeasures: Developing Ground Truth and Motivating an Adequate Malicious Baseline". Credibility Assessment and Screening Technologies, Hawaii International Conference on Computer and Systems Sciences. Hawaii, January 3-6.
03. Jenkins, J.L., Valacich, J.S, Williams, P. (2017) "Human-Computer Interaction Movement Indicators of Response Biases in Online Surveys". International Conference on Information Systems. Seoul, Korea, December 10-13.
04. Steffen, J., Gaskin, J., Meservy, T., Jenkins J. L. (2017) "The Missing Framework for Virtually Assisted Activities". International Conference on Information Systems. Seoul, Korea, December 10-13.
05. Kirwan, B., Bjornn, D., Anderson, B., Jenkins, J., Vance, A. (2017) "Why and How to Design Behavioral Experiments to Complement Decision Neuroscience Experiments," Interdisciplinary Symposium on Decision Neuroscience, Philadelphia, PA, June 3-5.
06. Anthony Vance, Brock Kirwan, Daniel Bjorn, Jeffrey Jenkins, Bonnie Brinton Anderson (2017) "What Do We Really Know about How Habituation to Warnings Occurs Over Time?: A Longitudinal fMRI Study of Habituation and Polymorphic Warnings" CHI '17. Denver, Colorado, May 6-11.
07. Jenkins, J.L., Proudfoot, G.P., Valacich, J.V., Nunamaker, J.F. (2017) "Sleight of Hand: Identifying Malicious Insider Threats through the Monitoring of Mouse-Cursor Movements". Credibility Assessment and Screening Technologies, Hawaii International Conference on Computer and Systems Sciences. Hawaii, January 4-7.
08. Grimes, M.G., Proudfoot, J.G., Valacich, J.S., Jenkins, J.L., Twyman, N., Burgoon, J.K., Nunamaker, J.F. (2017) "Controlled Realism in Deception Research". Credibility Assessment and Screening Technologies, Hawaii International Conference on Computer and Systems Sciences. Hawaii, January 4-7.
09. Gaskin, J., Jenkins, J.L., Meservy, T., Steffen, J., Payne, K., (2017) "Using Wearable Devices for Non-invasive, Inexpensive Physiological Data Collection". Hawaii International Conference on Computer and Systems Sciences. Hawaii, January 4-7.
10. Williams, P., Jenkins J. L., Valacich, J.V. (2016) "Real-Time Hand Tremor Detection via Mouse Cursor Movements for Improved Human-Computer Interactions: An Exploratory Study". Special Interest Group on Human Computer Interaction, Dublin, Ireland, December 10.

11. Anderson, B., Jenkins, J.L., Vance, A., Kirwan, B., Bjornn, D. (2016) "It All Looks the Same to Me: Security Warning and System Notification Generalization Captured through Eye Tracking," Workshop on Information Security and Privacy (WISP), Dublin, Ireland, December 10.
12. Anderson, B., Vance, A., Jenkins, J.L., Kirwan, B., Bjornn, D. (2016) "I Can't Spot the Difference: An Eye Tracking Study Examining Generalization between Security Warnings and System Notifications," The Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/WG11.13, Albuquerque, NM, October 7-8.
13. Jenkins, J.L., Anderson, B., Vance, A., Jensen, S., (2016) "When Training Gets Trumped: How Dual-Task Interference Inhibits Security Training," European Conference on Information Systems (ECIS), Istanbul, Turkey, June 12-15.
14. Bjornn, D., Kirwan, B., Anderson, B., Jenkins, J., Vance, A. (2016) "A Longitudinal Investigation of Habituation to Security Warnings: A Parallel fMRI and Eye Tracking Study," Interdisciplinary Symposium on Decision Neuroscience, Philadelphia, PA, June 3-5.
15. Eargle, D., Galletta, D., Kirwan, B., Vance, A., Jenkins J. L., (2016) "Integrating Facial Cues of Threat into Security Warnings – An fMRI and Field Study". Americas Conference on Information Systems, San Diego, CA, August 11-14.
16. Vance, A., Anderson, B., Jenkins, J., Kirwan, B., Bjornn, D. (2016) "It All Blurs Together: How the Effects of Habituation Generalize Across System Notifications and Security Warnings," Lightning Talk, Symposium on Usable Privacy and Security, Denver, June 22-24.
17. Jenkins, J.L., Anderson, B., Vance, A., Kirwan, B., Eargle, D. (2016) "More Harm than Good? How Security Messages that Interrupt Make Us Vulnerable," Workshop on Security and Human Behavior, Cambridge, MA, May 31-June 1.
18. Vance, A., Anderson, B., Jenkins, J., Kirwan, B., Bjornn, D., "It All Blurs Together: How the Effects of Habituation Generalize Across System Notifications and Security Warnings," Workshop on Security and Human Behavior, Cambridge, MA, May 31-June 1.
19. Wilson, D., Jenkins, J. L., Twyman, N., Jensen, M., Valacich, J., Dunbar, N., Wilson, S., Miller, C., Adame B., Lee Y., Burgoon, J. K., Nunamaker, J, K. (2016) "Serious Games for Reducing Bias in Credibility Decisions: An Evaluation Framework and Case Study". Hawaii International Conference on Computer and Systems Sciences. Kauai, Hawaii, January 5-8.
20. Valacich, J., Jenkins, J. L., Byrd, M. (2016) "Suspicion Detection in the Wild:

Lessons Learned from an Early Stage Company”. Hawaii International Conference on Computer and Systems Sciences, Symposium on Rapid Screening Technologies, Deception Detection, and Credibility Assessment. Kauai, Hawaii, January 5-8.

21. Jenkins J. L., Valacich J. (2015) “Behaviorally Measuring Ease-of-Use by Analyzing Users’ Mouse Cursor Movements”. Proceedings of the Fourteenth Annual Workshop on HCI Research in MIS, Fort Worth, Texas, USA, December 13. *Best Paper Nominee*
22. Anderson, B., Vance, A., Kirwan, B., Jenkins, J. L. (2015) “Not Now:’ Using fMRI and Eye Tracking to Improve the Timing of Security Messages”. Proceedings of the 10th Pre-ICIS Workshop on Information Security and Privacy, Ft. Worth, TX, December 13.
23. Jenkins, J., Anderson, B. B., Vance, A., Kirwan, B., Eargle, D. (2015) "More Harm than Good? How Security Messages that Interrupt Make Us Vulnerable ", The Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/WG11.13. Newark, NJ, October 2-3.
24. Jenkins, J., Larsen, R., Valacich, J. S., Bodily, R., Sandberg, D., Williams, P., Stokes, S., Harris, S. (2015) "A Multi-Experimental Examination of Analyzing Mouse Cursor Trajectories to Gauge Subject Uncertainty", Americas Conference on Information Systems, Puerto Rico, August 13-15. *Best Paper Nominee*
25. Anderson, B., Eargle, D., Jenkins, J., Kirwan, B., and Vance, T. (2015) "The Impact of Technostress on Users’ Responses to Security Warnings: A NeuroIS Study", Americas Conference on Information Systems, Puerto Rico, August 13-15.
26. Proudfoot, J. G., Jenkins, J. L., Burgoon, J. K., Nunamaker, J. K. (2015) “Deception Is In the Eye of the Communicator: Investigating Pupil Diameter Variations in Automated Deception Detection Interviews”, IEEE International Conference on Intelligence and Security Informatics (ISI), Baltimore, MD, May 27-19.
27. Anderson, B. B., Kirwan, B., Jenkins, J. L., Eargle, D., Howard, S., Vance, A. (2015) “How Polymorphic Warnings Reduce Habituation in the Brain—Insights from an fMRI Study”, CHI '17, Seoul, Korea, April 18-24.
28. Grimes, G. M., Proudfoot, J. G., Valacich, J. S., Jenkins, J. L., Twyman, N. W., Burgoon, J. K., Marquardson, J. (2015) “Lessons Learned From Successive Deception Experiments”, Hawaii International Conference on Computer and Systems Sciences, Symposium on Rapid Screening Technologies, Deception Detection and Credibility Assessment. Kauai, Hawaii, January 5-8.
29. Hibbeln, M., Jenkins, J. L., Schneider, C., Valacich, J. S., Weinmann, M. (2014) “Investigating the Effect of Insurance Fraud on Mouse Usage in Human-Computer Interactions”, International Conference on Information Systems, Auckland, New Zealand, December 14-17.

30. Jenkins, J. L., Durcikova, A., Reeves, K. S. (2014). "Exploring how Dual-Task Interference Influences End-User Secure Behavior." The Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/WG11.13. Newcastle, England, June 16-17.
31. Grimes, M., Jenkins, J. L., Valacich, J. S. (2013) "Exploring the Effect of Arousal and Valence on Mouse Interaction" International Conference on Information Systems, Milan, Italy, December 15-18. *Best Paper Nominee*
32. Jenkins, J. L., Durcikova, A. (2013) "What, I Shouldn't Have Done That?: The Influence of Training and Just-in-Time Reminders on Secure Behavior" International Conference on Information Systems, Milan, Italy, December 15-18.
33. Durcikova, A., Jenkins, J. L. (2013). "Improving End-User Security through SETA Programs: An Action Research Approach" The Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/WG11.13. Buffalo, NY, October 4-5.
34. Jenkins, J. L., Marquardson, J., Proudfoot, J. G., Valacich, J. S., Golob, E., and Nunamaker, J. F. (2013) The Checkpoint Simulation: A Tool for Informing Border Patrol Checkpoint Design and Resource Allocation. European Intelligence and Security Informatics Conference (EISIC). Uppsala, Sweden, August 12-14.
35. Dunbar, N. E., Miller, C. H., Adame, B. J., Elizondo, J., Wilson, S. N., Schartel, S. G., Lane, B., Kauffman, A. A., Straub, S., Burgoon, J. K., Valacich, J., Bessarabova, E., Jensen, M. L., Jenkins, J., Zhang, J., Morrison, D. (2013) "Mitigation of Cognitive Bias Through the Use of a Serious Game." Games + Learning + Society Conference 9.0. Madison, WI, June 12-14.
36. Burns, M. B., Durcikova, A., Jenkins, J. L. (2013) "What Kind of Interventions Can Help Johnny to Not Fall for Phish: Examining Stage-Appropriate Interventions". Hawaii International Conference on Computer and Systems Sciences. Maui, Hawaii, January 7-10.
37. Valacich, J. S., Jenkins, J. L., Nunamaker Jr, J. F., Hariri, S., Howie, J. (2013) "Identifying Insider Threats through Monitoring Mouse Movements in Concealed Information Tests" Hawaii International Conference on Computer and Systems Sciences, Symposium on Rapid Screening Technologies, Deception Detection and Credibility Assessment. Maui, Hawaii, January 7-10.
38. Grimes, G. M., Jenkins, J. L., Valacich, J. S. (2013) "Assessing Credibility by Monitoring Changes in Typing Behavior: The Keystroke Dynamics Deception Detection Model." Hawaii International Conference on Computer and Systems Sciences, Symposium on Rapid Screening Technologies, Deception Detection and Credibility Assessment. Maui, Hawaii, January 7-10.

39. Burns, M. B., Durcikova, A., Jenkins, J. L. (2012). "Examining Protective Behavior Stages of IS End Users: An Exploratory Cluster Analysis". The Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/WG11.13. Provo, UT, September 21-22.
40. Jenkins, J. L., Durcikova, A., Burns, M. B. (2012). "Forget the Fluff: Examining How Source Credibility Influences the Impact of Information Security Training on Secure Behavior". 2012 Hawaii International Conference on Computer and Systems Sciences. Maui, Hawaii, January 4-7.
41. Jenkins, J. L., Proudfoot, J. G., Burns, M. B., Golob, E. (2012). "Estimating Unknown Numbers More Precisely: A Stratified Sampling Methodology for Estimating the Baseline Population of Illegal Immigrants Passing through Open Checkpoints". 2012 Hawaii International Conference on Computer and Systems Sciences, Symposium on Rapid Screening Technologies, Deception Detection and Credibility Assessment. Maui, Hawaii, January 4-7.
42. Pickard, M. D. and Jenkins, J. L. (2012) "Embodied Agents and the Predictive Elaboration Model of Persuasion – Embodied Agents Tailored to Users’ Need for Cognition". 2012 Hawaii International Conference on Computer and Systems Sciences, Symposium on Rapid Screening Technologies, Deception Detection and Credibility Assessment. Maui, Hawaii, January 4-7.
43. Lowry, P. B., Jenkins, J. L., Twyman, N. W. (2011). "Proposing the Affect-Trust Infusion Model (ATIM) to Explain and Predict the Influence of High- and Low-Affect Infusion on Web Vendor Trust". Journal of the Association for Information Systems (JAIS) ICIS Theory Development Workshop. Shanghai, China, December 4-7.
44. Burns, M. B., Moffitt, K., Jenkins, J. L. and Durcikova, A. (2011). "Closing IT Security Hotspot: Increasing Auditors’ Understanding of the Impacts of IT Security Training on End-User Secure Behavior". 3rd. Annual pre-ICIS workshop on Accounting Information Systems, Shanghai, China, December 3.
45. Burns, M. B., Durcikova, A., and Jenkins, J. L. (2011). "Understanding Persistence of Risky IS Behavior with Respect to Phishing: A Multi-Stage Approach". The Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/11.13, Virginia Tech, Blacksburg, VA, September 23-24.
46. Twyman, N. W., Jenkins, J. L., Nunamaker, Jr., J. F., and Carl, K. (2011) "Knowledge Sourcing and Knowledge Consumption in Computer-Mediated Complex Decision Making". 2011 Hawaii International Conference on Computer and Systems Sciences, Hawaii, January 4-7.
47. Jenkins, J. L., Durcikova, A., Ross, G. & Nunamaker, Jr., J. F. (2010) "Encouraging Users to Behave Securely: Examining the Influence of Technical, Managerial, and

Educational Controls on Users' Secure Behavior". International Conference on Information Systems, Saint Louis, Missouri, December 12-15.

48. Burgoon, J. K., Moffit, K., Burns, M., Jenkins, J. L. (2010) "Facial Thermal Imaging as a Technique for Deception Detection". 2010 Hawaii International Conference on Computer and Systems Sciences, Symposium on Rapid Screening Technologies, Deception Detection and Credibility Assessment. Manoa, Hawaii, January 5-8.
49. Jensen, M. J., Lowry, P. B., and Jenkins, J. L. (2009) "Using Source Credibility Theory to Explain and Predict the Efficacy of Human-Computer Systems for Credibility Assessment". The 8th Annual Workshop on HCI Research in MIS, Phoenix, Arizona, December 14.
50. Lowry, P. B., Jenkins, J. L., Twyman, N. W., Hammer, B., Gaskin, J., and Hassell, M. (2008). "Proposing the Hedonic Affect Model (HAM) to Explain how Stimuli and Performance Expectations Predict Affect in Individual and Group Hedonic Systems Use". Journal of the Association for Information Systems (JAIS) ICIS Theory Development Workshop, Paris, December 13.

BOOK CHAPTER

1. Anderson, B. B., Vance, A., Kirwan, B., Jenkins, J. L., Eargle, D. (2015) "Using fMRI to Explain the Effect of Dual-Task Interference on Security Behavior". In F. D. Davis, R. Riedl, J. vom Brocke, P.-M. Léger, & A. B. Randolph (Eds.), *Information Systems and Neuroscience* (Vol. 10, pp. 145-150): Springer International Publishing
2. Anderson, B. B., Vance, A., Jenkins, J. L., Kirwan, B., Bjornn, D (2016) "It All Blurs Together: How the Effects of Habituation Generalize Across System Notifications and Security Warnings". In F. D. Davis, R. Riedl, J. vom Brocke, P.-M. Léger, & A. B. Randolph (Eds.), *Information Systems and Neuroscience* (Vol. 16, pp. 43-49): Springer International Publishing
3. Vance, A., Jenkins, J. L., Anderson, B. B., Kirwan, B., Bjornn, D (2017) "Why and How to Design Complementary NeuroIS and Behavioral Experiments". In F. D. Davis, R. Riedl, J. vom Brocke, P.-M. Léger, & A. B. Randolph (Eds.), *Information Systems and Neuroscience*: Springer International Publishing

CONFERENCE POSTERS

01. Bjornn Kirwan, B., Anderson, B., Jenkins, J. L. Vance, A. (2016) "A longitudinal Investigation of Habituation to Security Warnings: A Parallel fMRI and Eye Tracking Study" 6th Annual Interdisciplinary Symposium on Decision Neuroscience (ISDN), Philadelphia, PA.

02. Anderson, B., Vance, A., Kirwan, B., Jenkins, J. L. and Eargle, D (2015). "How Technostress Impacts Users' Responses to Security Warnings: A NeuroIS Study". Americas Conference on Information Systems (AMCIS), Puerto Rico.
03. Grimes, M., Burgoon, J., Valacich, J., Nunamaker, J., Proudfoot, J., Jenkins, J. L. and Elkins, A. (2015). "Assessing Identity and Credibility Using Soft Biometric Features". Deception: International Conference on Deceptive Behavior. University of Cambridge, Cambridge, UK.
04. Burns, M. B., Durcikova, A., Jenkins, J. L. (2012). "On Not Phalling for Phish: Examining Multiple Stages for Protective Behavior by IS End-Users". International Conference on Information Systems. Orlando, Florida.
05. Jenkins, J. L., Durcikova, A. and Burns, M. B. (2011) "Get a Cue on IS Security Training: Explaining the Difference between how Security Cues and Security Arguments Improve Secure Behavior". Poster presented at the International Conference on Information Systems, Shanghai, China.
06. Jenkins, J. L., Durcikova, A., Burns, M. B., and Nunamaker, Jr., J. F. (2011) "Protecting America's Cyber Infrastructure through Understanding How Security Controls Influence Humans' Secure Behavior," Poster presented at the Fifth Annual U.S. Department of Homeland Security (DHS) University Network Summit, Washington DC.
07. Burns, M. B., Moffitt, K., Jenkins, J. L., Nunamaker, Jr., J. F. (2011) "Defending Homeland Transportation Systems through Application of Automated Linguistic Analysis to Transcripts of Emergency Calls for Deception Detection," Poster presented at the Fifth Annual U.S. Department of Homeland Security (DHS) University Network Summit, Washington DC.
08. Jenkins, J. L., Durcikova, A., and Ross, G. (2010) "How Secure is Your System? Examining the Influence of Technical, Managerial, and Educational Controls on Users' Secure Behavior," Poster presented at the Americas Conference on Information Systems, Lima, Peru

TEACHING STATEMENT:

I believe in helping students become life-long learners who will be successful in and contribute to society. I follow a learner-centered teaching philosophy, which focuses on an instructor's role as a facilitator of student learning, rather than merely a giver of information. As such, I adopt the following principles in my teaching: (1) create clear learning objectives that define the level of learning required (refer to Bloom's taxonomy) and how to assess learning; (2) design course activities that relate to students with different learning styles; (3) solidify learning by allowing students to teach one another; (4) give meaningful learning assessments, ideally using multi-methods; (5) treat students as capable and talented, and they will meet these expectations; (6) inspire students by showing enthusiasm towards the topic; and (7) encourage self-sufficient learners by providing opportunities to practice the problem solving process.

TEACHING EXPERIENCE

Assistant Professor (Department of Information Systems, Brigham Young University)
2014 - Present

IS 201: Introduction to Management Information Systems

- Total number of sections taught: 12
- Average class size: 71 (small sections) and 300 (large sections students)
- Teacher rating: 4.7/5.0 (average for other IS teachers: 4.6/5.0)

IS 590R: Managing a Software Startup

- Total number of sections taught: 2
- Average class size: 33
- Average teacher rating: 4.8/5.0 (average for other IS teachers: 4.5/5.0)

Online Instructor (Online Learning, Business Department, Brigham Young University-Idaho)
2012 - 2013

Business 250: Web Business

- Total number of sections taught: 3
- Average class size: 120 students
- Average teacher rating: 6.38/7.00 (average for other BYU-Idaho teachers: 5.87/7.00)

Instructor (Department of Management Information Systems, University of Arizona)
2011

MIS 111: Computers and the Internetnetworked Society

- Total number of sections taught: 1
- Average class size: 40 students
- Average teacher rating: 4.7 /5.0 (average of other MIS 111 teachers: 4.2/5.0)

Online Course Lead—Member of the Course Council: (Online Learning, Business Department, Brigham Young University-Idaho) Business 250: Web Business. 2012-2013

Certificate in College Teaching – University of Arizona 2013

Certified Online Instructor – Brigham Young University – Idaho 2012

PROFESSIONAL EXPERIENCE

Assistant Professor

Department of Information Systems, Marriott School of Management, Brigham Young University **2013 - Present**

Neuro-ID **2014 - Present**
 Founder, Chief Technology Officer, Research Consultant

Research Associate **2009 – 2013**
 The Center for the Management of Information, University of Arizona

Software Engineer **2009**
 Information and Communication Systems, LDS Church, Salt Lake City, UT

Research Assistant **2008-2009**
 Information Systems Department, Marriott School, Brigham Young University, Provo, UT:
 Research Assistant for Dr. Paul Benjamin Lowry

Software Engineer **2007**
 Battelle Energy Alliance, U.S. DOE, Idaho National Laboratory, Idaho Falls, ID

Teaching Assistant **2007-2008**
 Information Systems Department, Marriott School, Brigham Young University, Provo, UT

Program Assistant **2004-2006**
 Division of Continuing Education, Brigham Young University-Idaho, Rexburg, ID

INTENAL SERVICE

Master of Information Systems Management Coordinator	2017 – Present
Security Track Coordinator	2017 – Present
Social Media Coordinator	2014 – Present
Lecture Series Coordinator	2013 – Present
Undergraduate Admission Committee	2013 – Present
Capstone Project Mentor	2013 – Present
Student Research Mentor	2013 – Present

EXTERNAL SERVICE

Associate Editor, HICSS HCI track	2019
Program Chair, AMCIS HCI Track Co-chair	2018
Associate Editor, ICIS HCI track	2018

Program Chair, Association for Information Systems Special Interest Group on Human
Computer Interaction—Pre-ICIS workshop **2016 - Present**

AIS Professional Development Panel: Developing a Scholarly Identity as a Junior Faculty
Member, ICIS **2016**

Program Chair, The Dewald Roode Workshop on Information Systems Security Research, IFIP
WG8.11/WG11.13 **2016**

Managing Editor: AIS Transactions on Human Computer Interaction. **6/2013 – 3/2016**

Session Chair: Fourteenth Annual Workshop on HCI Research in MIS **2015**

Reviewing for Journals

MIS Quarterly

Information Systems Research

Journal of Management Information Systems

The Journal of the Association of Information Systems

International Journal of Electronic Commerce

The Communications of the Association for Information Systems

ACM Transactions on MIS

International Journal of Information Technology & Decision Making

Information and Management

European Journal on Information Systems

Information Systems Journal

Information Systems Frontiers

Decision Sciences

AIS Transactions on Replication Research

Business & Information Systems Engineering

Reviewing for Conferences

The International Conference on Information Systems

Dewald Roode Workshop

Hawaii International Conference on System Sciences

European Conference on Information Systems

METHODOLOGICAL EXPERTISE

Machine Learning

Linear Mixed-Effects Modeling

Structural Equation Modeling

Latent Growth Curve Analysis (Level 1 and Level 2)

Regression / ANOVA / ANCOVA / General Linear Models

Experiment Design

Validity and Reliability Validation (confirmatory and exploratory factor analysis, Cronbach's Alpha, Average Variance Extracted, Internal consistency)
Exploratory and Confirmatory Analytical Techniques
Generalizability Theory

GRANTS ON WHICH I WAS A PRINCIPLE INVESTIGATOR (PI) OR CO-PI

Total value of monetary awards received: **\$218,800**

\$20,000 "MFilter: A Technique for Assessing Survey Respondent Quality through Analyzing Mouse Cursor Movements" The Office of Research & Creative Activities, Mentoring Environment Grants, Brigham Young University. Project Funding (December 2015)

\$20,000 "Exploring the Potential Behavioral, Organizational, and Ethical Research Applications of Real-time Physiological Data Tracking." The Office of Research & Creative Activities, Mentoring Environment Grants, Brigham Young University. Project Funding (December 2014)

\$16,800 "Measuring Uncertainty in Assessments through Mouse Tracking." The Office of Research & Creative Activities, Mentoring Environment Grants, Brigham Young University. Project Funding (December 2014)

\$37,000 "SPICE: Integrating Agent99, LIWC & Building an Accessible Platform". Center for Identification Technology Research (CITeR), a National Science Foundation (NSF) Industry/University Cooperative Research Center. Project Funding (October 2009)

\$33,000 "Animating the Automated Deception Analysis Machine (ADAM)". Center for Identification Technology Research (CITeR), a National Science Foundation (NSF) Industry/University Cooperative Research Center. Project Funding (October 2009)

\$35,000 "Animating the Automated Deception Analysis Machine (ADAM) continued". Center for Identification Technology Research (CITeR), a National Science Foundation (NSF) Industry/University Cooperative Research Center. Project Funding (May 2010)

\$40,000 "Improving Information Security through Authentication Technology" Center for Identification Technology Research (CITeR), a National Science Foundation (NSF) Industry/University Cooperative Research Center. funding Project Funding (May 2010)

\$17,000 "Comparison of Methods for Identification and Tracking of Facial and Head Features Related to Deception and Hostile Intent" Center for Identification Technology Research (CITeR), a National Science Foundation (NSF) Industry/University Cooperative Research Center. Project Funding (October 2010)

GRANTS ON WHICH I WAS A RESEARCH ASSOCIATE LEAD

Checkpoints Project (2011-2013) Border Patrol, Department of Homeland Security. *Principle Investigators:* Dr. Jay Nunamaker, Dr. Elyse Golob. *Award Amount:* \$500,000

Description: The project involved: providing solutions to improve data integrity, consistency, and accuracy; evaluated checkpoint effectiveness; assess the impact of checkpoint on surrounding communities; developed a management tool to assist in resource allocation. This project was a strong demonstration of my leadership ability. Please ask me about it.

IARPA, Sirius Program. I was the Arizona Student Lead; this is a multi-university project headquartered at the University of Oklahoma. (2011-2013) U.S. Airforce; Intelligence Advanced Research Projects Activity. *Arizona Principle Investigator:* Judee Burgoon. Total Award Amount: \$10,700,000. *Arizona Award Amount:* \$1,500,000

Description: Helped design and test a serious game for mitigating biases of intelligence officers.

AWARDS AND HONORS

AIS Early Career Award	2017
Best Paper Award: Information Systems Research	2016
Fourteenth Annual Workshop on HCI Research in MIS Best Paper Nominee	2015
Americans Conference on Information Systems Best Paper Nominee	2015
International Conference on Information Systems Best Paper Nominee	2013
Games + Learning + Society Conference 9.0 Best Game Overall: Business Category	2013
Games + Learning + Society Conference 9.0 Best Adaptive Force Award (Chosen by the Office of the Secretary of Defense)	
Paul S. & Shirley Goodman Award in International Computer Technology	2013
2012 ICIS Doctoral Consortium	2012
National Science Foundation Research Fellowship	2011-2013
Science Foundation Arizona Fellowship	2009-2011
Marriott School of Management MISM Outstanding Graduate Student	2008-2009
Phi Kappa Phi distinction	2008-2009

PENDING PATENTS

Below is a list of my pending patents through BYU / University of Arizona. All of these patents relate to my methodology of detecting human states through computer input devices.

- PCT/US2015/013706
- PCT/US2014/043057
- PCT/US2014/043056
- PCT/US2014/043528
- PCT US2014/043527

TECHNICAL SKILLS / SOFTWARE COMPETENCE/ TEACHING POTENTIAL

I have advanced skills in the following areas:

- AWS Cloud Computing Architecture
- R
- Machine learning and artificial intelligence
- Service Oriented Architecture
- AJAX
- SOAP, REST, JAX-WS
- Java
- SQL
- Database design (NoSQL and Relational)
- Systems analysis and design
- SPSS, MPlus
- Online marketing and SEO
- Python
- Perl
- JavaScript
- Computational linguistics
- HTML/XHTML/CSS/GWT
- Networking and Security
- MS Word, Excel, PowerPoint

I am competent in the following areas:

- Arena Simulation
- Crystal Reports and Web Intelligence
- Power Shell scripting
- Visual Basic
- PhP
- JSTL
- PL/SQL