

Steven D. Sheetz

January 2022

Virginia Tech
Pamplin College of Business
Department of Accounting and Information Systems
3080 Pamplin Hall
Blacksburg, VA 24060
540-392-3704
sheetz@vt.edu

ACADEMIC EMPLOYMENT

Virginia Tech, Department of ACIS, PwC Senior Faculty Fellow	2018-Present
Virginia Tech, Department of ACIS, Professor	2015-Present
Virginia Tech, Pamplin College of Business, Director CGEC	2008-2012
Virginia Tech, Department of ACIS, Associate Professor	2002-2015
Virginia Tech, Department of ACIS, Assistant Professor	1996-2002
University of Colorado at Colorado Springs, Visiting Professor	1994-1995
University of Northern Colorado, Part Time Instructor	1992-1993
University of Colorado at Boulder, Graduate Research Assistant	1990 - 1994
University of Colorado at Boulder, Instructor of Information Systems	1991 - 1993
Aims Community College, Part Time Instructor of Computer Science	1985 - 1986

EDUCATION

University of Colorado at Boulder <i>Ph.D. in Business Administration - Information Systems</i>	1996
University of Northern Colorado <i>Master of Business Administration, Major in General Business,</i>	1987

RESEARCH

Peer-Reviewed Journal Publications

A. Kavanaugh, S. D. Sheetz, H. Skandrani, E. A. Fox, Media Use, Information Reliability and Political Efficacy in Tunisia, 2011-2019, Information Polity, Preprint, 2021, 1-27.

Sheetz, S. D., Kavanaugh, A., Skandrani, H., Malek, Fox, E. A., "Uses and Gratifications of Political Information: Student Perceptions of Information from the 2014 Tunisian Elections, International Journal of Management Science and Business Administration, 7 (4), 2021, 36-44.

A. Kavanaugh, S. D. Sheetz, H. Skandrani, E. A. Fox, The Use and Impact of Social Media in Tunisia: From 2011 Revolution to 2014 Elections, Information Polity, 22, 2017, 137-158.

A. Kavanaugh, S.D. Sheetz, R. Sandoval-Almazan, J.C. Tedesco, and E.A. Fox, "Media Use during Conflicts: Information Seeking and Political Efficacy during the 2012 Mexican Elections," Government Information Quarterly, 33, 3, 2016, 595-602.

D. P. Tegarden, L. F. Tegarden, W. Smith, S. D. Sheetz. "De-Fusing Organizational Power Using Anonymity and Cognitive Factions in a Participative Strategic Planning Setting." Group Decision and Negotiation, 25, 1, 2016, 1-29.

D. Henderson, S.D. Sheetz, L. Wallace. "Understanding and Explaining Software Metrics Use." Information Systems Audit and Control Association Journal, 1, 2015.

L. Wallace and S. D. Sheetz. "The adoption of software measures: A technology acceptance model (TAM) perspective," Information & Management, 52, 2, March 2014.

A. Scarpa, S. D. Sheetz, L. C. Wilson, J. C. Waldron, M. A. Patriquin, and R. T. Jones. "Posttraumatic Stress Symptoms after the Shootings at Virginia Tech: Form and Function of Communication about the Events," Journal of Critical Incident Analysis, 4, 1, Spring 2014.

E. V. Wilson, W. Wang, and S. D. Sheetz. "Underpinning a Guiding Theory of Patient-Centered E-Health," Communications of the Association for Information Systems (CAIS), 34, January 2014.

A. Kavanaugh, S.D. Sheetz, R. Hassan, S. Yang, H. Elmongui, E.A. Fox, M Magdy, and D. Shoemaker. "Between a Rock and a Cell Phone: Communication and Information Technology Use during the Uprisings in Tunisia and Egypt," International Journal of Information Systems for Crisis Response and Management, 2013, 5, 1, 1-21.

D. P. Garner, D. Henderson III, S. D. Sheetz, B. S. Trinkle. "Understanding the Different Levels of XBRL Adoption," Management Accounting Quarterly, 2013, 14, 2, 1-10.

A. L. Kavanaugh, E. A. Fox, S. D. Sheetz, S. Yang, L. T. Li, D. J. Shoemaker, A. Natsev, and L. Xie. "Social media use by government: from the routine to the critical," Government Information Quarterly, 2012, 29, 4, 480-491.

D. Henderson, S.D. Sheetz, and B. Trinkle. "The Determinants of Inter-organizational and Internal in-house Adoption of XBRL: A Structural Equation Model," International Journal of Accounting Information Systems, 2012, 15, 2, 109-140.

D. Henderson, S.D. Sheetz, and F. Belanger. "Explaining Developer Attitude Toward Using Formalized Commercial Methodologies: Decomposing Perceived Usefulness", Information Resources Management Journal, 2012, 25, 1, 1-20.

D. Henderson, S.D. Sheetz, and B. Trinkle. "Understanding the Intention to Adopt XBRL: An Environmental Perspective," Journal of Emerging Technologies in Accounting, December 2011, 8, 1, 7-30.

A. Kavanaugh, S.D. Sheetz, F. Quek, and B.J. Kim. "Cell phone use with social ties during crises: The case of the Virginia Tech tragedy," International Journal of Information Systems for Crisis Response and Management, 2011, 3, 2, 18-32.

S.D. Sheetz, A. Kavanaugh, F. Quek, B.J. Kim, and L.T. Li. "Expectation of connectedness and cell phone use in crisis," International Journal of Emergency Management, 7, 2, 2010, 124-136.

E. V. Wilson and S. D. Sheetz. "A demands-resources model of work pressure in IT student task groups," Computers and Education: An International Journal, 55, 1, 2010, 415-426.

D.P. Tegarden, S.D. Sheetz, and D.E. Henderson. "Strategic Planning in an Accounting Department using Causal Maps and Cognitive Factions," Accounting Education: An International Journal, 2010, 19, 5, 473-500.

S.D. Sheetz, D. Henderson, and L. Wallace. "Understanding Developer and Manager Perceptions of Function Points and Source Lines of Code." Journal of Systems and Software, 2009, 82, 9, 1540-1549.

D.P. Tegarden, L.F. Tegarden, S.D. Sheetz. "Cognitive Factions in a Top Management Team: Surfacing and Analyzing Cognitive Diversity using Causal Maps." Group Decision and Negotiation, 2009, 18, 6, 537-566.

E.V. Wilson and S.D. Sheetz. "Context Counts: Effects of Work vs. Non-Work Context on Participants' Perceptions of Fit in Email vs. Face-to-Face Communication," Communications of the Association of Information Systems (CAIS), 2008, 22, 1, 1-17.

E. A. Fox, C. Andrews, W. Fan, J. Jiao, A. Kassahun, S. Lu, Y. Ma, C. North, N. Ramakrishnan, A. Scarpa, B. H. Friedman, S. D. Sheetz, D. Shoemaker, V. Srinivasan, S. Yang, and L. Boutwell. "A Digital Library for Recovery, Research, and Learning From April 16, 2007, at Virginia Tech." Traumatology, 2008, 14, 1, 64 - 84.

D.P. Tegarden and S.D. Sheetz. "Group Cognitive Mapping: A Methodology and System for Capturing and Evaluating Managerial and Organizational Cognition." Omega, 2003, 31, 2, 113-125.

S.D. Sheetz. "Identifying the Difficulties of Object-Oriented Development," Journal of Systems and Software, 2002, 64, 1, 23-36.

S.E. Kruck and S.D. Sheetz. "Spreadsheet Accuracy Theory," Journal of Information Systems Education, 2001, 12, 2, 93-108.

S.D. Sheetz and D.P. Tegarden. "Illustrating the cognitive consequences of object-oriented systems development," Journal of Systems and Software, 2001, 59, 2, 163-179.

D.P. Tegarden and S.D. Sheetz. "Cognitive Activities in OO Development," International Journal of Human-Computer Studies, 2001, 54, 6, 779-798.

R. Barkhi and S.D. Sheetz. "The State of Theoretical Diversity in Information Systems," Communications of the Association of Information Systems, 2001, 7, 1, 1-6.

S.D. Sheetz, G. Irwin, D.P. Tegarden, H. J. Nelson, and D.E. Monarchi. "Exploring the Difficulties of Learning Object-Oriented Techniques," Journal of Management Information Systems, 1997, 14, 2, 101-129.

S.D. Sheetz and D.P. Tegarden. "Perceptual Complexity of Object-Oriented Systems: A Student View," Object-Oriented Systems, 1996, 3, 165-195.

D.P. Tegarden, S.D. Sheetz, and D.E. Monarchi. "A Software Complexity Model of Object-Oriented Systems," Decision Support Systems, 1995, 13, 3, 241-262.

S.D. Sheetz, D.P. Tegarden, K.A. Kozar, and I. Zigurs. "A Group Support Systems Approach to Cognitive Mapping," Journal of Management Information Systems, 1994, 11, 1, 31-57.

Peer-reviewed Conference Proceedings

S. D. Sheetz, A. Kavanaugh, E. A. Fox, R. Hassan, S. Yang, M. Magdy, D. Shoemaker, Information Uses and Gratifications Related to Crisis: Student Perceptions since the Egyptian Uprising, In Proceedings of the International ISCRAM Conference, Vol. 2019, May (pp. 674-690).

Kavanaugh, A., Tedesco, J. C., Sheetz, S. D., Sun, Y., Skandrani, H., & Fox, E. A. (2016). The Use and Impact of Social Media during the 2011 Tunisian Revolution. In ACM International

Conference Proceeding Series Vol. 08-10-June-2016 (pp. 20-30). doi:10.1145/2912160.2912175

E. V. Wilson, S. D. Sheetz, S. Djamasbi, and J. Webber, Testing the Group Task Demands-Resources Model among IT Professionals, Proceedings of the Twentieth Americas Conference on Information Systems (AMCIS), 2014.

A. Kavanaugh, S.D. Sheetz, J. Tedesco, R. Sandoval-Almazan, and E.A. Fox. "Media use during conflicts: Information seeking gratification and efficacy during Mexican Elections 2012." In ACM Proceedings of the 15th International Annual Conference on Digital Government Research (dg.o 2014), 2014. (Note: this paper was selected from 38 papers at the conference to be invited to be extended for a special issue of the *Government Information Quarterly*)

Smith, W., Tegarden, L., Tegarden, D., and Sheetz, S. "Using Anonymity and Cognitive Factions to De-Fuse Power Relationships in an Academic Strategic Planning Setting: A Case Study," Proceedings of the 2013 Group Decision and Negotiation Conference, 2013.

Yang, S., Chung, H., Lin, X., Lee, S., Chen, L., Wood, A., Kavanaugh, A. L., Sheetz, S. D., Shoemaker, D. J., and Fox, E. A. "PhaseVis: What, When, Where, and Who in Visualizing the Four Phases of Emergency Management through the Lens of Social Media." Proceedings of the 2013 Information Systems for Crisis Response and Management Conference, May, 2013.

E.V. Wilson, W. Wang, S.D. Sheetz, J. Connolly, "Patient-Centered E-Health: A Status Report," Proceedings of the Eighteenth Americas Conference on Information Systems (AMCIS), 2012, <http://aisel.aisnet.org/amcis2012/proceedings/ISHealthcare/12>

A. Kavanaugh, S.D. Sheetz, R. Hassan, S. Yang, H. Elmongui, E.A. Fox, M Magdy, and D. Shoemaker. "Between a Rock and a Cell Phone: Communication and Information Technology Use during the 2011 Egyptian Uprising," Proceedings of the 2012 Information Systems for Crisis Response and Management Conference, 2012. (Note: This paper was invited for publication by the editors of the *International Journal of Information Systems for Crisis Response and Management*.)

S. Yang, A. Kavanaugh, N. P. Kozievitch, L. T. Li, V. Srinivasan, S. D. Sheetz, T. Whalen, D. J. Shoemaker, R. S. Torres, and E. A. Fox. "CTRnet Digital Library for Disaster Information Services," ACM/IEEE Joint Conference on Digital Libraries (JCDL), ACM, 2011.

L.T. Li, S. Yang, A. Kavanaugh, E.A. Fox, S.D. Sheetz, D. Shoemaker, T. Whalen, and V. Srinivasan. "Twitter use during an emergency event: The case of the UT Austin shooting," Proc. of 12th Annual International Digital Government Research, ACM, 2011.

A. L. Kavanaugh, E. A. Fox, S. D. Sheetz, S. Yang, L. T. Li, D. J. Shoemaker, A. Natsev, and L. Xie. "Social media use by government: from the routine to the critical," Proc. of 12th Annual International Digital Government Research, ACM, 2011. (Note: This paper was invited for publication by the editors of the journal *Government Information Quarterly*.)

A. Kavanaugh, S. Yang, S.D. Sheetz, L. T. Li, and E. A. Fox, "Microblogging in crisis situations: Mass protests in Iran, Tunisia and Egypt," Proceedings of ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2011), ACM, 2011.

S. Yang, A. Kavanaugh, N. P. Kozievitch, L. T. Li, V. Srinivasan, S. D. Sheetz, T. Whalen, D. J. Shoemaker, R. S. Torres, and E. A. Fox. "CTRnet Digital Library for Disaster Information Services," Proceedings of PACM/IEEE Joint Conference on Digital Libraries (JCDL), ACM, 2011.

W. Chung, S. Yang, E. A. Fox, S. D. Sheetz. "Integrating Computational Thinking into Information Systems and Other Curricula," Proceedings of the AIS SIG-ED IAIM 2010 Conference, 2010.

S.D. Sheetz. A. Kavanaugh, F. Quek, B.J. Kim, and S.C. Lu, "Cell Phone Use with Social Ties during Crises: The Case of the Virginia Tech Tragedy," Proceedings of the 2010 International Conference on Information Systems for Crisis Response and Management, Seattle, Washington , 2010.

V. Wilson and S.D. Sheetz, "The role of Work Pressure in IT Task Groups: Identifying Theoretical Constructs," Proceedings of the Fifteenth Americas Conference on Information Systems (AMCIS), 2009.

W. Chung, E. A. Fox, S. D. Sheetz, and S. Yang, "LIKES: Educating the Next Generation of Knowledge Society Builders," Proceedings of the Fifteenth Americas Conference on Information Systems (AMCIS), 2009.

S.D. Sheetz. A. Kavanaugh, F. Quek, B.J. Kim, and S.C. Lu, "Expectation of Connectedness and Cell Phone Use in Crisis " Proceedings of the 2009 International Conference on Information Systems for Crisis Response and Management, 2009. (*Note: This paper was invited for publication by the editors of the International Journal of Emergency Management.*)

E. Sloane, G. Leroy, S.D. Sheetz, "An Integrated Social Actor and Service Oriented Architecture (SOA) Approach for Improved Electronic Health Record (EHR) Privacy and Confidentiality in the US National Healthcare Information Network (NHIN)," AMCIS 2008 Proceedings, 2008.

B. Trinkle, S.D. Sheetz, and D. Henderson. "A Structural Model of the Determinants Of XBRL Adoption," Proceedings of the Seventeenth Annual Research Workshop on Artificial Intelligence and Emerging Technologies in Accounting, Auditing and Tax, (2007).

S.D. Sheetz and T. Caruso, "Integrating Electronic Health Record Standards into a Laboratory Information Management System," Proceedings of the Twelfth Americas Conference on Information Systems (AMCIS), 2006.

S.D. Sheetz, L. Wallace, and D. E. Henderson. "Understanding Manager and Developer Perceptions of the Relative Advantage, Compatibility, and Complexity of Function Points and

Source Lines of Code," Proceedings of the Eleventh Americas Conference on Information Systems (AMCIS), 2005, <http://aisel.aisnet.org/amcis2005/384>

D.P. Tegarden, L.F. Tegarden, and S.D. Sheetz, "Knowledge Management Technology for Revealing Cognitive Diversity within a Management Team," Proceedings of the Thirty-sixth Hawaii International Conference of Systems Sciences (HICSS 36, 2003), IEEE Computer Society Press, 2003.

Sheetz, S.D. and S. Foret, "Improving the Quality of Life for People with Dementia," Proceedings of the Ninth Americas Conference on Information Systems (AMCIS), 2003.

S.D. Sheetz and D.P. Tegarden, "Representing Managerial Cognition Using A Group Cognitive Mapping System," Proceedings of the Academy of Management Annual Meeting, AOM 2001, 2001.

S.D. Sheetz and D.P. Tegarden, "An Example of Representing Shared Knowledge Across Problems Using A Group Cognitive Mapping System," Proceedings of GDN2001: Group Decision and Negotiation Conference, 2001.

E.V. Wilson and S.D. Sheetz, "A system for advising distance learning students," Proceedings of the Information Resource Management Association International Conference, 2000.

S.D. Sheetz, D.P. Tegarden, L.F. Tegarden, L. Poppo, D.R. Gnyawali, "A WWW-Based Group Cognitive Mapping Approach to Support Case-Based Learning," Proceedings of the Fifth Americas Conference on Information Systems (AMCIS), 1999.

S.D. Sheetz, D.R. Gnyawali, L.F. Tegarden, D.P. Tegarden, L. Poppo, "Visualizing and Evaluating Student Understanding of Strategic Management: Using Cognitive Maps for Case Analysis," Proceedings of the Academy of Management Conference, AOM 1999, 1999.

S.D. Sheetz and D.P. Tegarden, "Requirements Analysis as Cognitive Maps," Proceedings of the Fourth Americas Conference on Information Systems (AMCIS), 1998.

J. Ferki, S.D. Sheetz, and F. Belanger, "Diffusion of Electronic Working Papers," Proceedings of the Fourth Americas Conference on Information Systems (AMCIS), 1998.

S.D. Sheetz, G.I. Puhr, H.J. Nelson, D.E. Monarchi, and D.P. Tegarden, "Student views of the difficulties of using object-oriented techniques," Proceedings of the Pacific Research Institute for Information Systems and Management 1995 International Conference, IEEE Computer Society Press, 1995.

J.R. Connolly, S.D. Sheetz, and I. Ziguers, "Coding the Cognitive Complexity of The Systems Analysis Process," Proceedings of the Pacific Research Institute for Information Systems and Management 1995 International Conference, IEEE Computer Society Press, 1995.

D.P. Tegarden, S.D. Sheetz, and D.E. Monarchi, "Effectiveness of Traditional Software Metrics for Object-Oriented Systems," Proceedings of the 25th Hawaii International Conference on System Sciences, IEEE Computer Society Press, 1992.

S.D. Sheetz., D.P. Tegarden, and D.E. Monarchi, "Measuring Object-Oriented System Complexity," Proceedings of the First Workshop on Information Technologies and Systems, December, 1991.

Book Chapters

K. Watkins, S. ElShawarby, N. Depaz, S.D. Sheetz. "Fundamentals of Managing Supplier Relationships." Edited by D. McCubbrey, Business Fundamentals Book for the Global Text project. Published online at:
<http://docs.globaltext.terry.uga.edu:8095/anonymous/webdav/Business%20Fundamentals/BusinessFundamentals.pdf>

D.P. Tegarden, L.F. Tegarden, and S.D. Sheetz. "Using Causal Mapping To Uncover Cognitive Diversity Within a Top Management Team." In D. Armstrong and V. Narayanan (Eds.) *Causal Mapping for Information Systems in Technology Research: Approaches, Advances, and Illustrations*. (2005) Sage.

S.D. Sheetz, "The Difficulties of Using Object-Oriented Techniques: Perceptions of C++ Developers," In B. Eckel (Ed.) *Black Belt C++: The Masters' Collection*, MISPress/Henry Holt, New York, NY, 1993, pp. 281-320.

Peer-Reviewed Presentations

Henderson III, D. & Sheetz, S.D. (2021) "Testing the moderating effect of technology readiness on dual factor theory: The case of data analytic software adoption in Accounting," 2021 Joint Midyear Meeting of the AIS and SET Sections. February, 2021. Virtual setting.

Sheetz, S., Kavanaugh, A., Skandrani, H., & Fox, E. (2019). "Uses and Gratifications of Political Information: Student Perceptions of Information from the 2014 Tunisian Elections." At the 4th Edition of the LIGUE Conference: "Deep Transformations and the Future of Organizations, December, 2019, Tunis, Tunisia.

S.D. Sheetz, M.E. Ozlanski, E.M. Negangard, C. Gimbar, "Detecting Deception in Audit Interactions: Applying Interpersonal Deception Theory in Accounting," Presented at American Accounting Association Annual Meeting 2014, Atlanta, Georgia, August 2014.

E. V. Wilson, S. D. Sheetz. S. Djamassbi, and J. Webber, Testing the Group Task Demands-Resources Model among IT Professionals, Presented at the Twentieth Americas Conference on Information Systems, Savannah, August, 2014.

A. Kavanaugh, S.D. Sheetz, J. Tedesco, R. Sandoval-Almazan, and E.A. Fox. "Media use during conflicts: Information seeking gratification and efficacy during Mexican Elections 2012. In

ACM Presented at the 15th International Annual Conference on Digital Government Research (dg.o 2014), Aguascalientes, Mexico, June 18-21, 2014.

S.D. Sheetz, A. Kavanaugh, E.A. Fox, H. Elmongui, R. Hassan, S. Yang, M. Magdy, D. Shoemaker, “Information Uses and Gratifications in Crisis: Student Perceptions since the Egyptian Uprising”, Presented at the 11th International ISCRAM Conference. University Park, Pennsylvania, USA, May 2014

Smith, W., Tegarden, L., Tegarden, D., and Sheetz, S. “Using Anonymity and Cognitive Factions to De-Fuse Power Relationships in an Academic Strategic Planning Setting: A Case Study,” Presentation at the 2013 Group Decision and Negotiation Conference, 2013, Stockholm Sweden.

Yang, S., H. Chung, X. Lin, S. Lee, L.Chen, A. Wood, A.L. Kavanaugh, S.D. Sheetz, D. J. Shoemaker, E.A. Fox, “PhaseVis: What, When, Where, and Who in Visualizing the Four Phases of Emergency Management Through the Lens of Social Media,” Presented at the 2013 Information Systems for Crisis Response and Management Conference, 2013, Baden Baden, Germany.

L. Wilson, J. Waldron, M. Patriquin, A. Scarpa, and S.D. Sheetz. “Technology and Communication following the Virginia Tech Shootings,” Presented at the Association for Psychological Science (APS), 2012, Chicago, IL.

E.V. Wilson, W. Wang, S.D. Sheetz, J. Connolly, “Patient-Centered E-Health: A Status Report,” Presentation at Eighteenth Americas Conference on Information Systems 2012, Seattle, WA, 2012,.

A. Kavanaugh, S.D. Sheetz, R. Hassan, S. Yang, H. Elmongui, E.A. Fox, M Magdy, and D. Shoemaker. “Between a Rock and a Cell Phone: Communication and Information Technology Use during the 2011 Egyptian Uprising” Presentation at the 2012 Information Systems for Crisis Response and Management Conference, 2012, Vancouver, Canada.

S. Yang, A. Kavanaugh, N. P. Kozievitch, L. T. Li, V. Srinivasan, S. D. Sheetz, T. Whalen, D. J. Shoemaker, R. S. Torres, and E. A. Fox. “CTRnet Digital Library for Disaster Information Services,” Presentation at ACM/IEEE Joint Conference on Digital Libraries (JCDL), ACM, 2011, Ottawa, Canada.

L.T. Li, S. Yang, A. Kavanaugh, E.A. Fox, S.D. Sheetz, D. Shoemaker, T. Whalen, and V. Srinivasan. “Twitter use during an emergency event: The case of the UT Austin shooting,” Presentation at 12th Annual International Digital Government Research, ACM, 2011, College Park, MD.

A. Kavanaugh, E. A. Fox, S. D. Sheetz, S. Yang, L. T. Li, T. Whalen, D. Shoemaker, P. Natsev, and L. Xie, “Social Media Use by Government: From the Routine to the Critical,” Presentation at 12th Annual International Digital Government Research, ACM, 2011, College Park, MD.

S.D. Sheetz , E.A. Fox, A. Fitzgerald, S. Palmer, D. Shoemaker, A. Kavanaugh, “Why students use social networking sites after crisis situations,” Presentation at the 2011 Information Systems for Crisis Response and Management Conference, 2011, Lisbon Portugal.

Kavanaugh, A., Yang, S., Sheetz, S., Li, L. T., and Fox, E. A. "Microblogging in crisis situations: Mass protests in Iran, Tunisia and Egypt," Presentation at Workshop on Transnational Human-Computer Interaction, ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2011), ACM, 2011, Vancouver, Canada.

S. Yang, A. Kavanaugh, N. P. Kozievitch, L. T. Li, V. Srinivasan, S. D. Sheetz, T. Whalen, D. J. Shoemaker, R. S. Torres, and E. A. Fox. “CTRnet Digital Library for Disaster Information Services,” Presentation at ACM/IEEE Joint Conference on Digital Libraries (JCDL), 2011, Ottawa, Canada.

W. Chung, S. Yang, E. A. Fox, S. D. Sheetz. “Integrating Computational Thinking into Information Systems and Other Curricula,” Presentation at the AIS SIG-ED IAIM 2010 Conference, 2010, St. Louis, MO.

S.D. Sheetz. A. Kavanaugh, F. Quek, B.J. Kim, and S.C. Lu, “Expectation of Connectedness and Cell Phone Use in Crisis ” Presentation at the 2010 International Conference on Information Systems for Crisis Response and Management, 2010, Seattle, WA.

V. Wilson and S.D. Sheetz, “The role of Work Pressure in IT Task Groups: Identifying Theoretical Constructs,” Presentation at AMCIS 2009, 2009, San Francisco, CA.

W. Chung, E. A. Fox, S. D. Sheetz, and S. Yang, “LIKES: Educating the Next Generation of Knowledge Society Builders,” Presentation at AMCIS 2009, 2009, San Francisco, CA.

S.D. Sheetz. A. Kavanaugh, F. Quek, B.J. Kim, and S.C. Lu, “Expectation of Connectedness and Cell Phone Use in Crisis ” Presentation at the 2009 International Conference on Information Systems for Crisis Response and Management, 2009, Seattle, WA.

E. Sloane, G. Leroy, S.D. Sheetz, “An Integrated Social Actor and Service Oriented Architecture (SOA) Approach for Improved Electronic Health Record (EHR) Privacy and Confidentiality in the US National Healthcare Information Network (NHIN),” Presentation at AMCIS 2008, 2008, Toronto, Canada.

B. Trinkle, S.D. Sheetz, and D. Henderson. “A Structural Model of the Determinants Of XBRL Adoption,” Presented at Seventeenth Annual Research Workshop on Artificial Intelligence and Emerging Technologies in Accounting, Auditing and Tax, 2007, Sarasota, FL.

S.D. Sheetz and T. Caruso, “Integrating Electronic Health Record Standards into a Laboratory Information Management System,” Presentation at AMCIS 2006, 2006, Acapulco, Mexico.

S.D. Sheetz, L. Wallace, and D. E. Henderson. "Understanding Manager and Developer Perceptions of the Relative Advantage, Compatibility, and Complexity of Function Points and Source Lines of Code," Presented at AMCIS 2005, 2005, Omaha, NE.

Sheetz, S.D. and S. Foret, "Improving the Quality of Life for People with Dementia," Presented at AMCIS 2003, 2003, Tampa, FL.

D.P. Tegarden, L.F. Tegarden, and S.D. Sheetz, "Knowledge Management Technology for Revealing Cognitive Diversity within a Management Team," Presentation at the Thirty-sixth Hawaii International Conference of Systems Sciences (HICSS 36), IEEE Computer Society Press, 2003, Kona, HI.

S. Jarrott and Sheetz, S.D., "The Dementia Care Mapping System," Presented at The Annual Meeting of the Gerontology Society of America, 2002, Boston, MA.

S.D. Sheetz and D.P. Tegarden, "Representing Managerial Cognition Using A Group Cognitive Mapping System," Academy of Management Annual Meeting, AOM 2001, 2001, Philadelphia, PA.

S.D. Sheetz and D.P. Tegarden, "An Example of Representing Shared Knowledge Across Problems Using A Group Cognitive Mapping System," GDN2001: Group Decision and Negotiation, 2001, La Rochelle, France.

E.V. Wilson and S.D. Sheetz, "A system for advising distance learning students," Information Resource Management Association International Conference, 2000, Anchorage, AK.

S.D. Sheetz, D.P. Tegarden, L.F. Tegarden, L. Poppo, D.R. Gnyawali, "A WWW-Based Group Cognitive Mapping Approach to Support Case-Based Learning," Presented at AMCIS 1999, 1999, Milwaukee, WI.

S.D. Sheetz, D.R. Gnyawali, L.F. Tegarden, D.P. Tegarden, L. Poppo, "Visualizing and Evaluating Student Understanding of Strategic Management: Using Cognitive Maps for Case Analysis," Academy of Management Conference AOM, 1999, Chicago, IL.

S.D. Sheetz and D.P. Tegarden, "Requirements Analysis as Cognitive Maps," Presented at AMCIS 1998, 1998, Baltimore, MD.

J. Ferki, S.D. Sheetz, and F. Belanger, "Diffusion of Electronic Working Papers," Presented at AMCIS 1998, 1998, Baltimore, MD.

S.D. Sheetz, G.I. Puhr, H.J. Nelson, D.E. Monarchi, and D.P. Tegarden, "Student views of the difficulties of using object-oriented techniques," Presentation at the Pacific Research Institute for Information Systems and Management 1995 International Conference, IEEE Computer Society Press, 1995, Kihe, HI.

J.R. Connolly, S.D. Sheetz, and I. Zigurs, "Coding the Cognitive Complexity of The Systems Analysis Process," Presentation at the Pacific Research Institute for Information Systems and Management 1995 International Conference, IEEE Computer Society Press, 1995, Kihe, HI.

D.P. Tegarden and S.D. Sheetz, "Semantic Relationships and Graph Theory: Bases for an Object-Oriented System Development Measurement Program," Workshop on Processes and Metrics for Object-Oriented Software Development OOPSLA-93, 1993, Washington, D.C.

D.P. Tegarden and S.D. Sheetz, "Object-Oriented System Complexity: An Integrated Model of Structure and Perceptions," Workshop on Metrics for Object-Oriented Software Development - OOPSLA-92, 1992, Vancouver, Canada.

D.P. Tegarden, S.D. Sheetz, and D.E. Monarchi, "Effectiveness of Traditional Software Metrics for Object-Oriented Systems," Presentation at the 25th Hawaii International Conference on System Sciences, IEEE Computer Society Press, 1992, Wailea, HI.

S.D. Sheetz., D.P. Tegarden, and D.E. Monarchi, "Measuring Object-Oriented System Complexity," Presentation at the First Workshop on Information Technologies and Systems, December, 1991, Cambridge, MA.

Invited Presentations

S.D. Sheetz, M.E. Ozlanski, E.M. Negangard, C. Gimbar, "Detecting Deception in Audit Interactions: Applying Interpersonal Deception Theory in Accounting," Presented at Center for Human Computer Interaction Seminar Series, Blacksburg, Virginia, October 2013.

W. Chung, S. Yang, E. Fox, S. Sheetz, The Living In the KnowlEdge Society (LIKES) Community Building Project: Building Collaboration between Computing and Non-Computing Disciplines, Conference on Pedagogy at Virginia Tech (2009), 2009, Blacksburg, VA.

Research Grants Received

III: Small: Collaborative Research: Global Event and Trend Archive Research (GETAR), PI E. Fox (CS), co-PIs A. Kavanaugh (CS), A. Rozovskaya (CS) and D. Shoemaker (Sociology). Senior personnel S.D. Sheetz, NSF, \$500,000, Received Sep. 2016, 3 year grant.

III:Small:Integrated Digital Event Archive and Library (IDEAL). E. Fox PI, co-PIs A. Kavanaugh, S. Sheetz, and D. Shoemaker. NSF, \$500,000, 2013-2015.

Deception and Food Interaction Decisions, VT-Institute for Creative Arts and Technology (ICAT), S. Duncan PI, co-PIs S.D. Sheetz, M.A. Bell, D. Gallagher, \$25,000, 2013.

Detecting Deception in Auditor Client Communications using fMRI, VT Institute for Society, Culture, and Environment, Steven Sheetz, \$5,000, 2012.

Detecting Deception in Auditor Client Communications: A Comparison of Communication Modes, VT-Institute for Society, Culture and Environment, \$10,000, G. Jenkins, S. Sheetz, and M.A. Bell, 2010.

Social Media for Cities, Counties, and Communities, VT Center for Community Security & Resilience and Arlington County Virginia, A. Kavanaugh PI, co-PIs E. Fox, D. Shoemaker, S. Sheetz, \$19,000, 2010.

III:Small: CTRnet: Integrated Digital Library Support for Crisis, Tragedy, and Recovery, NSF, E.A. Fox, A. Kavanaugh, N. Ramakrishnan, S. Sheetz, and D. Shoemaker, \$500,000, 2010-2012.

Understanding Perceptions of XBRL Adoption, PWC Inquires, S. Sheetz PI, co-PIs D. Henderson, B. Trinkle. \$48,000, 2008.

Living in the Knowledge Society, NSF, Ed Fox PI, co-PIs Patrick Fan, Carlos Avia, Chris Zobel, and Steven Sheetz, \$499,000, 2007-2009.

Capturing Ephemeral Communication Data from the Virginia Tech Tragedy, NSF, Andrea Kavanaugh PI, Francis Quek CO-PI, Steven Sheetz, Senior Personnel, \$126,000, 2007.

Evaluation of the Virginia Public Guardian and Conservator Program, Virginia Department for the Aging, \$15,000 (Karen A. Roberto, PI, Pamela Teaster, Co-PI, Steven Sheetz, System Developer), 2001-2003.

A Data Collection Site for Collaborative Research with Human Service Agencies, AHNR-IT Grant, Virginia Cooperative Extension, \$4,500, (Pamela Teaster, PI, Karen A. Roberto, Co-PI, Steven Sheetz, System Developer, 2001-2002.

Dementia Care Mapping Technical Strategy Team Meeting, Bradford Dementia Group, Bradford, England. \$1000, 2003.

Pamplin Summer Research Grant from Virginia Polytechnic Institute and State University, \$9,000. Summer 2003.

Pamplin Summer Research Grant from Virginia Polytechnic Institute and State University, \$9,000. Summer 2001.

Pamplin Summer Research Grant from Virginia Polytechnic Institute and State University, \$9,000. Summer 2000.

Pamplin Summer Research Grant from Virginia Polytechnic Institute and State University, \$9,000. Summer 1999.

Pamplin Summer Research Grant from Virginia Polytechnic Institute and State University, \$9,000. Summer 1998.

ASPIRES program Virginia Polytechnic Institute and State University, Representing Individual and Group Perceptions using 3D Cognitive Maps, \$30,218. January-December 1998.

Pamplin Summer Research Grant from Virginia Polytechnic Institute and State University, \$9,000. Summer 1997.

Gerald T. Hart Doctoral Research Fellowship, Graduate School of Business, University of Colorado at Boulder. \$3,000.00. Summer 1992.

Gerald T. Hart Doctoral Research Fellowship, Graduate School of Business, University of Colorado at Boulder. \$3,000.00. Summer 1991.

Working Papers

“Detecting Deception in Audit Interactions: Applying Interpersonal Deception Theory in Accounting” with C. Gimbar, E. Negangard, and M. Ozlanski.

- *Submitted to TAR, 2013*
- *Rejected by TAR, 2013*
- *Submitted to CAR, 2014*
- *Rejected by CAR, 2014*
- *Submitted to AOS, 2015*
- *Rejected by AOS, 2015*
- *Submitted to JMIS, 2016*
- *Rejected by JMIS, 2017*
- *Submitted to Int. J of Human Computer Studies, 10/2017*

“Development of a Short-form Group Work Pressure Instrument for Information Systems Professionals” with E. V. Wilson and S. Djasmasbi.

- *Submitted to DATABASE, 2014*
- *Rejected by DATABASE, 2015*
- *Submitted to Decision Support Systems, 2015*
- *Reject and resubmit from DSS, 2016*

“Information Uses and Gratifications in Crisis: Student Perceptions since the Egyptian Uprising” with A. Kavanaugh, E. A. Fox, R. Hassan, H. Elmongui, S. Yang, M. Magdy, and D. Shoemaker.

- *Submitted to JMIS, 2014*
- *Rejected by JMIS, 2014*
- *To be submitted to Decision Sciences, Spring 2018*

Works in progress

“Understanding Affect in Accounting: Graphing Auditor Emotions in Response to Fraud and No-Fraud Situations” with C. Gimbar, E. Negangard, and M. Ozlanski.

- *Draft paper for fraud written.*
- *Data Analyses in progress for no fraud.*
- *To be submitted Summer 2018.*

“Information Uses and Gratifications in Crisis: Student Perceptions of the Tunisian Elections” with A. Kavanaugh, E. A. Fox, and H. Skandrani.

- *Data analyses underway, to be submitted Fall 2018.*

“StockBubbler: A Stock Market Bubble Visualization Tool,” S. Iyer, S.D. Sheetz, R. Kumar, J. Rakestraw, and Y. Cao.

– *This project has stalled, as CS faculty and students have left VT.*

“Revealing Fake News at the SEC” with R. Barkhi.

– *This project is just getting started.*

TEACHING

Courses Taught at Virginia Tech

Online

Advanced Database Management Systems, graduate, ACIS5524.

Information Systems Design and Database Concepts, graduate, ACIS5504.

Healthcare Data Management, graduate, ACIS5574.

IS Consulting

GE Case Collaboration, undergraduate, ACIS3544.

Systems Analysis and Design

Structured Systems Development I, undergraduate, ACIS3515.

Structured Systems Development II, undergraduate, ACIS3516.

Database

Database Management Systems, undergraduate, ACIS4515

Advanced Database Management Systems, graduate, ACIS5524

Information Systems Design and Database Concepts, graduate, ACIS5504

Other

Electronic Commerce and Web Applications, ACIS5594

Research Methods in ACIS, Ph.D. Seminar, ACIS6004

SERVICE

Professional Service

Editorial board, Issues in Accounting Education.
Reviewer for Emerging Technologies in Accounting
Reviewer for ISCRAM Conference

Department

Curriculum Advancement Committee
KPMG Masters of Data Analytics Negotiation Committee
Ph.D. Committee
Personnel Committee
Research Committee

College

Undergraduate Studies and Policy Committee

University

Graduate Curriculum Meeting
Masters of Information Technology (MIT) Curriculum Committee
Commencement Committee

Professional Memberships

ACM- Association for Computing Machinery
AIS- Association of Information Systems
ISCRAM – Information Systems for Crisis Response and Management Organization

PROFESSIONAL EXPERIENCE

Information Systems Consultant, Greeley, Colorado	1995 - 1996
National Systems and Research Co., Loveland, CO, Systems Analyst	1986 - 1990
National Systems and Research Co., Loveland, CO, Programming/Analyst	1985 - 1986
Specialty Computer of America, Evergreen, CO, Programmer/Analyst	1984 - 1985
Executive Assistance Services, Lubbock, TX, Programmer	1984

HONORS AND AWARDS

Faculty at the Doctoral Consortium of the Association of Information Systems, Association for Information Systems 2007 Americas Conference, August 2007.

Best Paper entitled "Student views of the difficulties of using object-oriented techniques", Pacific Research Institute for Information Systems and Management 1995 International Conference, Maui, Hawaii. January 1995.

Participant in the 1992 International Conference on Information Systems (ICIS) Doctoral Consortium, ICIS Doctoral Consortium Committee. December 1992.

Outstanding Doctoral Student in Information Systems for 1991-1992, Faculty of Information Systems, Graduate School of Business, University of Colorado at Boulder. October 1992.