

Paul John Steinbart

Curriculum Vitae – August 2018

Department of Information Systems
W. P. Carey School of Business
Arizona State University
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EDUCATION

Ph.D. in Accounting, Michigan State University, 1985
M.B.A., Southern Illinois University at Carbondale, 1980
B.A. in Political Science, University of Illinois, 1976

PROFESSIONAL EXPERIENCE

July 2003 – present

Professor of Information Systems, Arizona State University

August 1997 – June 2003

Professor of Accounting, Arizona State University

Fall 1993 - Summer 1997

Ernst & Young Distinguished Professor of Accounting - Saint Louis University
Chairman, Department of Accounting (1993-1996) - Saint Louis University

Summer 1987 - Summer 1993

Associate Professor of Accounting at Memphis State University

Autumn Quarter 1984 - Spring Quarter 1987

Assistant Professor at the University of Utah (School of Accounting)

Teaching Interests:

Information Security and Controls
Accounting Information Systems

PROFESSIONAL MEMBERSHIPS

Association for Information Systems
American Institute of Certified Public Accountants
American Accounting Association
Information Systems Audit and Control Association

PUBLICATIONS***Journal Articles***

- Steinbart, P.J., R.L. Raschke, G. Gal, and W.N. Dilla. 2018. "The influence of a good relationship between the internal audit and information security functions on information security outcomes," *Accounting, Organizations and Society* (forthcoming).
- Kettles, D., St. Louis, R.D., and Steinbart, P.J. 2017. "An Experimental Investigation of the Individual and Joint Effects of Financial and Non-financial on Knowledge Sharing Using Enterprise Social Media," *Communications of the Association for Information Systems* (41: December), article 27.
- Steinbart, P.J., Keith, M., and Babb, J. 2016. "Examining the Continuance of Secure Behavior: A Longitudinal Field Study of Mobile Device Authentication," *Information Systems Research* 27(2): 219-239.
- Steinbart, P.J., R.L. Raschke, G. Gal, and W.N. Dilla. 2016. "SECURQUAL: An Instrument for Evaluating the Effectiveness of Enterprise Information Security Programs," *Journal of Information Systems* 30(1): 71-92.
- Steinbart, P.J., R.L. Raschke, G. Gal, and W.N. Dilla. 2014. "Internal Audit's Contribution to the Effectiveness of Information Security (Part 2): Perceptions of Internal Auditors," *ISACA Journal* (Volume 3): 51-55.
- Steinbart, P.J., R.L. Raschke, G. Gal, and W.N. Dilla. 2014. "Internal Audit's Contribution to the Effectiveness of Information Security (Part 1): Perceptions of Information Security Professionals," *ISACA Journal* (Volume 2): 42-47.
- Steinbart, P.J., R.L. Raschke, G. Gal, and W.N. Dilla. 2013. "Information Security Professionals' Perceptions about the Relationship between the Information Security and Internal Audit Functions," *Journal of Information Systems* (27:2, Fall): 65-86.
- Steinbart, P.J., R.L. Raschke, G. Gal, and W.N. Dilla. 2012. "The Relationship Between Internal Audit and Information Security: An Exploratory Investigation," *International Journal of Accounting Information Systems* (13:3, September): 228-243.
- Kauffman, R.J., Y.J. Lee, M. Prosch, P.J. Steinbart. 2011. "A Survey of Consumer Information Privacy from the Accounting Information Systems Research Perspective," *Journal of Information Systems* (25:2, Fall), 47-79.
- Keith, M., B. Shao, and P.J. Steinbart. 2009. "A Behavioral Analysis of Passphrase Design and Effectiveness" *Journal of the Association for Information Systems* 10(2): 63-89. Available at <http://aisel.aisnet.org/jais/vol10/iss2/2>.
- Raschke, R., and P.J. Steinbart. 2008. "Mitigating the Effects of Misleading Graphs on Decisions by Educating Users about the Principles of Graph Design," *Journal of Information Systems* (22:2, Fall): 23-52.

- Burgess, D.O., W.N. Dilla, P.J. Steinbart, and T.M. Shank. 2008. "Does Graph Design Matter to CPAs and Financial Statement Readers?" *Journal of Business and Economic Research* (May, 6:5): 111-124.
- Keith, M., B. Shao, and P.J. Steinbart. 2007. "The Usability of Passphrases for Authentication: An Empirical Field Study," *International Journal of Human-Computer Studies*, (65:1, January): 17-28.
- Dilla, W.N., and P.J. Steinbart. 2005. "Using Information Display Characteristics to Provide Decision Guidance in a Choice Task under Conditions of Strict Uncertainty," *Journal of Information Systems* (19:2, Fall): 29-56.
- Dilla, W.N., and P. J. Steinbart. 2005. "Relative Weighting of Common and Unique Balanced Scorecard Measures by Knowledgeable Decision Makers," *Behavioral Research in Accounting* (17): 43-53.
- Dilla, W.N., and P.J. Steinbart. 2005. "The Effects of Alternative Supplementary Display Formats on Balanced Scorecard Judgments," *International Journal of Accounting Information Systems* (6:3, September): 159-176.
- Arunachalam, V., K.W. Pei, and P.J. Steinbart. 2002. "Impression Management with Graphs: Effects on Choices," *Journal of Information Systems* (Fall, 16:2): 183-202.
- Samuels, J., and P.J. Steinbart. 2002. "The Journal of Information Systems: A Review of the First 15 Years," *Journal of Information Systems* (Fall, 16:2): 97-116. (Note: this was an invited paper, but was subject to single-blind review process).
- David, J.S., and P.J. Steinbart. 1999. "Drowning in Data," *Strategic Finance* (December): 30-34.
- Steinbart, P.J., and Z. Swanson. 1998. "No-Load Dividend Reinvestment Plans," *Review of Financial Economics* (7:2): 121-141.
- Hsu, K., and P.J. Steinbart. 1997. "Factors Affecting the Use of Different Types of Explanations Provided by Expert Systems," *Advances in Accounting Information Systems* (Vol. 5): 215-241.
- Lukawitz, J.M., and P.J. Steinbart. 1995. "Investor Reaction to Disclosures of Employee Fraud," *Journal of Managerial Issues* (Fall): 358-367.
- Steinbart, P.J., and W.L. Accola. 1994. "The Effects of Explanation Type and User Involvement on Learning from and Satisfaction with Expert Systems," *Journal of Information Systems* (Spring, 8:1): 1-17.

- Pei, B.K.W, P.J. Steinbart, and J. H. Reneau. 1994. "The Effects of Judgment Strategy and Prompting on Using Rule-Based Expert Systems for Knowledge Transfer," *Journal of Information Systems* (Spring, 8:1): 21-42.
- Chang, C.F., Steinbart, P.J., and Tuckman, H.P. 1993. "Are Medicare Audits Random or Predictable?" *Journal of Accounting and Public Policy* (Summer, 12:2): 135-154.
- Holland, K.A. and P.J. Steinbart. 1993. "A Content and Citation Analysis of the Journal of Information Systems: The First Five Years" *The Journal of Information Systems* (Spring): 35-47.
- Steinbart, P.J. and Nath, R. 1992. "Problems and Issues in the Management of International Data Communications Networks," *MIS Quarterly* (March, 16:1): 55-76.
- Gal, G. and Steinbart, P.J. 1992. "Interface Style and Training Task Difficulty as Determinants of Effective Computer-Assisted Knowledge Transfer," *Decision Sciences* (January-February, 23:1): 128-143.
- Behrens, M. and Steinbart, P.J. 1992. "Integrating Expert Systems and Artificial Intelligence in Accounting: A Description of the Academic Program at Memphis State University," *Expert Systems with Applications: An International Journal* (4:2): 219-224.
- Steinbart, P.J. 1991. "How to Talk To A Database," *Journal of Accountancy* (March, 173:3): 95-97.
- Steinbart, P.J. 1989. "The Auditor's Responsibility for the Accuracy of Graphs in Annual Reports: Some Evidence of the Need for Additional Guidance," *Accounting Horizons* (September, 3:3): 60-70.
- Steinbart, P.J. 1989. "A Comparison of Computer-Administered and Paper Questionnaires: Effects on Student Evaluations of Teaching Effectiveness," *Issues in Accounting Education* (Spring, 4:1): 120-125.
- Gal, G., and Steinbart, P.J. 1987. "Artificial Intelligence and Research in Accounting Information Systems: Opportunities and Issues," *The Journal of Information Systems* (Fall, 2:1): 54-62.
- Loebbecke, J.K., and Steinbart, P.J. 1987. "An Investigation of the Use of Preliminary Analytical Review to Provide Substantive Audit Evidence," *Auditing: A Journal of Practice and Theory* (Spring, 6:2): 74-89.
- Steinbart, P.J. 1987. "The Construction of a Rule-Based Expert System as a Method for Studying Materiality Judgments," *The Accounting Review* (January, 62:1): 97-116.

Dilley, S.C., Hayes, R.B., and Steinbart, P.J. 1983. "Development of a Paradigm for Applied Accounting Research: A Way of Coping with Subject-Matter Complexity," *The Accounting Review* (April, 58:2): 405-416.

Articles in Scholarly Books

Graham, E., and Steinbart, P.J. 2008. "Six Keys to Improving Wireless Security," in Handbook of Research on Information Security and Assurance, J.N.D. Gupta and S. Sharma (Eds), (Hershey, PA: Idea Group Publishing), chapter 34: 393-401.

Graham, E., and Steinbart, P.J. 2006. "Wireless Security," in Enterprise Information Systems Assurance and System Security: Managerial and Technical Issues, M. Warkentin and R. Vaughn (Eds), (Hershey, PA: Idea Group Publishing): 234-251.

Steinbart, P.J. 1992. "The Role of Questioning in Learning from Computer-Based Decision Aids," in *Questions and Information Systems*, A.C. Graesser, T.W. Lauer, and E. Peacock (Eds), (Hillsdale, NJ: Lawrence Erlbaum Associates), chapter 14: 273-285.

Steinbart, P.J., and Gal, G. 1988. "The Role of Expert Systems in Accounting Research," in *Artificial Intelligence in Accounting and Auditing: The Use of Expert Systems*, M.A. Vasarhelyi (Ed.), (New York: Marcus Wiener Publishing): 315-340.

Gal, G., and Steinbart, P.J. 1988. "The Use of Rule-Based Expert Systems to Investigate the Effects of Experience on Audit Judgments," in *Artificial Intelligence in Accounting and Auditing: The Use of Expert Systems*, M.A. Vasarhelyi (Ed.), (New York: Marcus Wiener): 149-161.

Books/Monographs

Romney, M., and P.J. Steinbart. 2018. *Accounting Information Systems, 14th Edition* (Upper Saddle River, NJ: Prentice-Hall).

Romney, M., and P.J. Steinbart. 2015. *Accounting Information Systems, 13th Edition* (Upper Saddle River, NJ: Prentice-Hall).

Romney, M., and P.J. Steinbart. 2012. *Accounting Information Systems, 12th Edition* (Upper Saddle River, NJ: Prentice-Hall).

Romney, M., and P.J. Steinbart. 2009. *Accounting Information Systems, 11th Edition* (Upper Saddle River, NJ: Prentice-Hall).

Brunsdon, T.E., M.B. Romney, and P.J. Steinbart. 2009. *Introduction to Microsoft Dynamics GP 10.0: Focus on Internal Controls, 2nd edition* (Upper Saddle River, NJ: Prentice-Hall).

Romney, M., and Steinbart, P.J. 2006. *Accounting Information Systems, 10th Edition* (Upper Saddle River, NJ: Prentice-Hall).

Brunsdon, T., M. Romney, and P.J. Steinbart. 2006. *Introduction to Microsoft Great Plains 8.0: Focus on Internal Controls* (Upper Saddle River, NJ: Prentice-Hall).

Romney, M., and Steinbart, P.J. 2003. *Accounting Information Systems, 9th Edition* (Upper Saddle River, NJ: Prentice-Hall).

David, J.S. and P.J. Steinbart. 2000. "Data Warehousing and Data Mining: Opportunities for Internal Auditors" Research Monograph, The Institute of Internal Auditors Research Foundation.

Romney, M., and Steinbart, P.J. 2000. *Accounting Information Systems, 8th Edition* (Upper Saddle River, NJ: Prentice-Hall).

Romney, M., Steinbart, P.J., and Cushing, B.E. 1997. *Accounting Information Systems, 7th Edition* (Reading, MA: Addison-Wesley).

Instructor's Manual to accompany *Accounting Information Systems 6th Edition* by Barry E. Cushing and Marshall B. Romney. 1993. (Reading, MA: Addison-Wesley).

Proceedings

Steinbart, P.J., Keith, M., and Babb, J. "Measuring Privacy Concern and the Right to Be Forgotten," 2017. *50th Hawaii International Conference on System Sciences*: .

Babb, J., Keith, M., and Steinbart, P. "Can Relaxing Security Policy Restrictiveness Improve User Behavior? A Field Study of Authentication Credential Usage." 2016. *49th Hawaii International Conference on System Sciences*: 4803-4812.

Steinbart, P.J., R. Raschke, G. Gal, and W. Dilla. "The Influence of Internal Audit on Information Security Effectiveness: Perceptions of Internal Auditors," 8th biennial Symposium on Information Integrity and Information Systems Assurance, Toronto, Canada (October 5, 2013).

Steinbart, P.J., R. Raschke, G. Gal, and W. Dilla. "Factors Influencing the Relationship between Internal Audit and Information Security: An Exploratory Investigation," – 7th biennial Symposium on Information Integrity and Information Systems Assurance, Toronto, Canada (October 21, 2011).

Keith, M., B. Shao, and P. J. Steinbart. "Usability of Passphrases for Authentication," Third Annual CABIT Symposium on Security (September 2005).

Keith, M., B. Shao, and P. J. Steinbart. "The Effectiveness and Usability of Passphrases for Authentication," Americas Conference on Information Systems 2005.

Steinbart, P.J. "Will the Next Millennium Be the Golden Age for AIS?" Keynote address at the Second European Conference on Accounting Information Systems (May 3-4, 1999): 58-63.

Hsu, K., and P.J. Steinbart. "The Effects of Experience, Cognitive Style, and Menu Order on Usage of and Preference for Alternative Types of Expert System Explanations," Fourth Annual AIS Research Symposium (February 21, 1997).

Steinbart, P.J., and W.L. Accola. "The Relative Effectiveness of Alternative Explanation Formats and User Involvement on Knowledge Transfer from Expert Systems" First Annual AIS Research Symposium (February 5, 1994).

Gal, G., and Steinbart, P.J. "The Use of Rule-Based Expert Systems to Investigate the Effects of Experience on Audit Judgments," Proceedings of the Seventh International Conference on Information Systems (December 1986): 206-213.

Gal, G., and Steinbart, P.J. "Knowledge Base Refinements as an Indication of Auditor Experience," USC Symposium on Expert Systems and Audit Judgment, (February 17-18, 1986).

Technical Reports

"Integrating Technology into the Learning Experience," special report produced by an AICPA task force, available at <http://www.aicpa.org>, following the educators links, 1998. I was a member of the task force that produced this report.

"Mass Storage Technology," A Management Advisory Services Special Report (AICPA 1990), committee member.

"An Introduction to Natural Language Processing," A Management Advisory Services Special Report (AICPA 1990), committee member.

Discussants' Comments, Book Reviews, and Other Articles

Steinbart, P.J. "The Need for AIS Research on Information Security," *Journal of Accounting and Corporate Governance*, (2:1, June 2005): 1-7.

Steinbart, P.J. "Discussant's Comments on "Restoring Auditor Credibility: Tertiary Monitoring and Logging of Continuous Assurance Systems" *International Journal of Accounting Information Systems* (July 2004, 5:2): 203-205.

Arunachalam, V., K.W. Pei, and P.J. Steinbart. "Reply to 'Discussion of Impression Management with Graphs: Effects on Choices'," *Journal of Information Systems* (Fall 2002, 16:2): 207-208.

Steinbart, P.J. "Discussion of 'The effects of multimedia-induced affective states on recall and decision making by individual investors,'" *International Journal of Accounting Information Systems* (March 2001, 2:1): 41-46.

- "Event-Driven Business Solutions: Today's Revolution in Business and Information Technology," by Eric L. Denna, O. Cherrington, D.P. Andros, and A.S. Hollander, *The Accounting Review* (July 1994): 509. (Book review)
- "Expert Systems in Auditing," by J.C. Van Dijk and P. Williams, *The Accounting Review*, (October 1991, 66:4): 871. (Book review)
- "NUTSHELL Information Filer," *The Accounting Review* (Software_Summaries section) (October 1986, 61:4): 795.
- "Is Qualified Joint-Interest for You? If so, when? If not, why not?," *The Wholesaler* (December 1979): 1-14, (co-authored with Phillip G. Neal).
- "Property Joint-Ownership Deadline Approaching," *The Wholesaler* (November 1979): 1-39, (co-authored with Phillip G. Neal).

PRESENTATIONS

- “AIS Research on Cybersecurity and Privacy: What is missing?” – 2018 ISAIS Research Conference, University of Melbourne, Melbourne Australia. 6 July 2018.
- “An Action Plan for Information Security” – Arizona Society of Certified Public Accountants Governmental Accounting Conference, 3 February 2017, Arizona Biltmore Resort, Phoenix, AZ.
- “Cybersecurity Risk Management Program Examination Engagements,” – panelist. 2017 Joint Midyear Meeting of the Accounting Information Systems & Strategic and Emerging Technologies Sections, 20 January 2017, Orlando, FL.
- “Measuring Privacy Concern and the Right to Be Forgotten,” (with Mark Keith and Jeffrey Babb) January 6, 2017. *50th Hawaii International Conference on System Sciences*.
- “The Organizational Benefits of a Good Relationship Between the Internal Audit and Information Security Functions,” (with R. Raschke, G. Gal, and W.N. Dilla), IFIP Dewald Roode Information Security Workshop, IFIP WG8.11/11.13, October 7-8, 2016 (University of New Mexico, Albuquerque, NM).
- “The Importance of Human Factors in Designing Security Policies” – Phoenix Security and Audit Conference September 8, 2016, Desert Willow Conference Center, Phoenix AZ.
- “The Organizational Benefits of a Good Relationship Between the Internal Audit and Information Security Functions,” (with R. Raschke, G. Gal, and W.N. Dilla), Rutgers University AIS Seminar Series, April 1, 2016.
- “Why the Quality of the Relationship between Internal Audit Information Security Matters,” – invited presentation to October 2015 meeting of Phoenix chapter of ISACA, SkySong ASU campus, Scottsdale, Arizona. October 29, 2015.
- “The Right to Be Forgotten: Exploring Consumer Privacy Attitudes About the Final Stage of the Information Life Cycle.” (with Mark Keith and Jeffrey Babb). IFIP Dewald Roode Information Security Workshop, IFIP WG8.11/11.13, October 2-3, 2015 (University of Delaware).
- “An Action Plan for Information Security,” – invited presentation to the *22nd Annual Professional Development Conference of the Phoenix Chapter of the Association of Government Accountants*, Rio Salado Conference Center – Tempe, AZ, April 17, 2015.
- “EISP: An Instrument Based on the COBIT Maturity Model Rubrics for Evaluating the Effectiveness of Information Security Programs,” with William Dilla, Graham Gal, and Robyn Raschke. Presented at the *First annual JIS Research Conference*, Durham, NC, March 27, 2015.

- “Future Directions in Research on Accounting Information Systems” – invited to serve as panel chair and panelist. Sixth annual pre-ICIS SIG-ASYS research workshop on accounting information systems, Auckland New Zealand, December 12, 2014.
- “Information Security and Internal Audit: Why Can’t We Be Friends?” – invited presentation to 2014 Association of Local Government Auditors (ALGA) conference, SkySong ASU campus, Scottsdale, Arizona. July 29, 2014.
- “Using the COBIT Maturity Model Rubrics to Evaluate the Determinants of Information Security: An Exploratory Study,” with William Dilla, Graham Gal, and Robyn Raschke. 2014 annual research symposium, Accounting Information Systems section of the American Accounting Association, Raleigh North Carolina, January 24, 2014.
- “How to Be a Good Reviewer,” invited panelist at the New Scholars Workshop, Accounting Information Systems section of the American Accounting Association, Raleigh North Carolina, January 23, 2014.
- “The Relationship Between Internal Audit and Information Security: What Do We Know?” Invited keynote address at the 2013 Forensic Accounting and Personal Information Protection International Forum, Chiayi, Taiwan, November 22, 2013.
- “Information Security and Internal Audit: Why Can’t We Be Friends?” 2013 Phoenix Security & Audit Conference, Desert Willow Conference Center, Phoenix AZ. October 22, 2013.
- “Using the COBIT Maturity Model Rubrics to Evaluate the Determinants of Information Security: An Exploratory Study,” with William Dilla, Graham Gal, and Robyn Raschke. IFIP Dewald Roode Information Security Workshop, IFIP WG8.11.11.13, October 4-5, 2013 (Niagara Falls, NY).
- “Information Security Professionals’ Perceptions about the Relationship between the Information Security and Internal Audit Functions,” with William Dilla, Graham Gal, and Robyn Raschke – IS Section Midyear Research Symposium, (Fort Lauderdale, FL), January 11, 2013.
- “Cyber-Security Panel” – invited panelist at IS Section Midyear Research Symposium, (Fort Lauderdale, FL), January 11, 2013.
- “Education Panel: Interactive Lessons from the Field,” – invited panelist at IS Section Midyear Research Symposium, (Fort Lauderdale, FL), January 11, 2013.
- “Exploring the Relationship Between Internal Audit and Information Security,” Phoenix chapter of the Information Systems Security Association, (July 10, 2012).
- “Factors Influencing the Relationship between Internal Audit and Information Security: An Exploratory Investigation,” with William Dilla, Graham Gal, and Robyn Raschke – 7th

biennial Symposium on Information Integrity and Information Systems Assurance, Toronto, Canada (October 21, 2011).

- “Chief Information Officers’ and Chief Financial Officers’ Similarities, Differences, and Relationships: What Can the Ultimate Heads of Information Systems and Management Accounting Learn from Each Other?” – panelist, 2011 Midyear Meeting of the IS Section of the American Accounting Association, Atlanta, Georgia, January 7, 2011.
- “Moving a Paper to Publication” – part of a panel discussion on presenting and publishing research, presented at the Accounting Information Systems New Scholars Consortium, Atlanta, Georgia, January 6, 2011.
- “Factors Influencing the Relationship between Internal Audit and Information Security: An Exploratory Investigation,” 2nd annual pre-ICIS research workshop on Accounting Information Systems (sponsored by SIG-ASYS), December 12, 2010, St. Louis, Missouri.
- “Propitious Selection in Identity Theft Protection Services,” research workshop, National Chung Cheng University, Chiayi, Taiwan, July 8, 2010.
- “Internal Audit’s Role in Creating an Effective Information Security Program,” – invited keynote at International Conference on Accounting and Information Technology, National Chung Cheng University, Chiayi, Taiwan, July 7, 2010.
- “Brainstorming Cutting-Edge Research Topics at the Intersection of IS and Accounting,” – panelist, 1st Annual Pre-ICIS Workshop on Accounting Information Systems, Scottsdale, AZ, December 15, 2009.
- “Next Generation Thinking in Information Security,” – panelist, annual meeting of the American Accounting Association, New York, August 4, 2009.
- “Privacy – An Academic’s Perspective” – member of panel discussion, Data Privacy Day, CABIT Symposium, January 28, 2009 at Arizona State University
- “Using COBIT in the classroom” – member of panel discussion, 2009 American Accounting Association Information Systems Section Midyear Conference – Workshop on IT Governance and Assurance (Charleston, SC), January 8, 2009.
- “Transforming Our View of AIS Research,” – keynote address at the 11th European Conference on Accounting Information Systems,” Maastricht, Netherlands (April 21, 2008).
- “Usability of Passphrases for Authentication,” – quarterly meeting of the Sonoran Desert Security Users Group, Phoenix, (February 14, 2007).
- “Usability of Passphrases” – monthly meeting of the Phoenix Chapter of the *Information Systems Audit and Control Association*, (March 23, 2006).

- “Research in AIS Security and Audit” – member of panel discussion, 2006 American Accounting Association Information Systems Section Midyear Conference, (Scottsdale, AZ), January 6, 2006.
- “Research Tips for New Scholars” – member of panel discussion, 2006 American Accounting Association Information Systems Section New Scholar Consortium (Scottsdale, AZ) January 5, 2006.
- “The Effects of Alternative Supplementary Display Formats on Balanced Scorecard Judgments,” – Fifth Annual International Research Symposium on Accounting Information Systems (Washington, D.C.), December 16, 2004.
- “Does AIS Matter?” – Keynote address at the Sixth Annual AIS Educators Conference (Denver, Colorado), June 27, 2004.
- “Teaching the Accounting Information Systems Course – My Experiences at Arizona State University” Sixth Annual AIS Educators Conference, (Denver, Colorado), June 27, 2004.
- “Will the Next Millennium be the Golden Age for AIS?” *Keynote Address – presented at the European Conference on Accounting Information Systems* (Bordeaux, France), May 3, 1999.
- “Innovative Accounting Programs: The Merging of CIS and Accounting at Arizona State University” *AICPA/AAA Information Technology Visioning Conference* (Dallas, TX), November 21, 1998.
- “An Innovative Masters Degree Blending Accounting and Information Systems: The Arizona State University Experience,” presented at *Biennial Directors of Masters Programs Conference, FSA* (St. Louis, MO), October 3, 1998.
- “Teaching AIS: How to Manage Your Career,” member of a panel discussion at the Fifth Annual AIS Research Symposium, Scottsdale, AZ (February 19, 1998).
- “Information Presentation Effects on Choices Under Strict Uncertainty” at the University of Utah workshop series, January 8, 1998.
- “The Effects of Experience, Cognitive Style, and Menu Order on Usage of and Preference for Alternative Types of Expert System Explanations,” Fourth Annual AIS Research Symposium, Scottsdale, AZ, (February 20-22 1997).
- "The Effects of Explanation Type and Level of User Involvement on Learning from and Satisfaction with Expert Systems," D.R. Scott Research Workshop Series (University of Missouri - Columbia), September 23, 1994.
- "Approaches to Teaching Accounting Information Systems," 1994 Midwest Regional Meeting of the American Accounting Association, (Omaha, NE), April 15, 1994, panelist.

- "The Relative Effectiveness of Alternative Explanation Formats and User Involvement on Knowledge Transfer from Expert Systems" at First Annual AIS Research Symposium (Phoenix, AZ), February 5, 1994 (with Wilton Accola).
- "The Effect of Alternative Knowledge Organizations and Interface Style on Learning from an Expert System," at TIMS/ORSA Joint National Meeting (Nashville, TN), May 14, 1991
- "The Influence of Questioning on User Involvement in Computer Assisted Training," at Conference on Question Generation and Applications to Information Systems (Oakland University, Rochester, Michigan) June 15-16, 1990.
- "Desktop Publishing Using Pagemaker," First National Colloquium on Computer Advances in Accounting, Memphis State University, 1988.
- "Future Trends in Research in Accounting Information Systems" at 1987 Western Regional AAA Meeting, Sacramento, CA, panel member.
- "An Analysis of Problem-Solving Behavior in a Semantically-Described Accounting Domain," distributed at the Annual Conference on Computer-Human Interaction, (Toronto: April 5-10, 1987), (co-authored with Severin Grabski and William E. McCarthy).
- "The Use of Rule-Based Expert Systems to Investigate the Effects of Experience on Audit Judgments," Seventh International Conference on Information Systems (1986), San Diego, CA.
- "Verbal Protocol Analysis," 1985 American Accounting Association Annual Meeting, Reno, NV (tutorial session presenter).
- "Dealing with Increasing Complexity in Accounting Standards," 1982 Michigan Accounting Educators Association, Flint, MI.

HONORS, PRIZES, AND AWARDS

Outstanding Service Award – 2016-2017 Academic Year. Awarded by the Department of Information Systems, W. P. Carey School of Business, Arizona State University.

Outstanding Teaching Award – Master of Science in Information Management Program, 2014-2015 Academic Year. Awarded by the Department of Information Systems, W. P. Carey School of Business, Arizona State University.

Best paper, 2002 mid-year meeting of the Information Systems section of the American Accounting Association: Arunachalam, V., K.W. Pei, and P.J. Steinbart. “Impression Management with Graphs: Effects on Choices.”

Outstanding Teacher of the Year (St. Louis University chapter of Beta Alpha Psi) 1997

Notable Contribution to the Literature Award, Information Systems/Management Advisory Services Section of the American Accounting Association, 1993.

Elijah Watts Sells Award (with High Distinction) on CPA Exam, American Institute of Certified Public Accountants

Silver Medal Award on CPA Exam, Illinois Society of Certified Public Accountants

Group Leader (Systems), 1993 New Faculty Consortium, Arthur Andersen & Co. Training Center, St. Charles, IL (February 11-14).

Group Leader (Systems), 1992 New Faculty Consortium, Arthur Andersen & Co. Training Center, St. Charles, IL (February 7-9).

Merit of Excellence Award - Dean, Fogelman College of Business and Economics, Memphis State University, 1988-1989

Best Refereed Journal Article, 2nd Place, Fogelman College of Business and Economics, Memphis State University, 1988

Faculty Fellow Curriculum Development Award - Spring Quarter 1986, University of Utah

Participant at American Accounting Association New Faculty Consortium - February 1985

Participant at University of Alabama Accounting Research Convocation - Fall 1984

Participant at American Accounting Association Doctoral Consortium - August 1983

Deloitte, Haskins & Sells Doctoral Fellowship

American Accounting Association Doctoral Fellowship

Taught Honors Section of Principles of Accounting - Michigan State University

Beta Alpha Psi Doctoral Candidate of the Year (1983-1984) - Michigan State University

Outstanding Masters of Accountancy Student (1980) - Southern Illinois University

Member Beta Alpha Psi

Member Beta Gamma Sigma

Member Phi Kappa Phi

Member Pi Sigma Alpha

SERVICE

Association for Information Systems

Past-President (voting member of Executive Board), Special Interest Group for Accounting Systems (SIG-ASYS), part of the Association for Information Systems (2014-2015)

President, Special Interest Group for Accounting Systems (SIG-ASYS), part of the Association for Information Systems (2012-2013)

Associate Editor, ICIS Security and Privacy Track, ICIS 2013

President-elect, Special Interest Group for Accounting Systems (SIG-ASYS), part of the Association for Information Systems (2010-2011)

Vice-President – Americas for the Special Interest Group – Accounting Information Systems (SIG-ASYS), part of the Association for Information Systems, 2004-2006.

American Accounting Association

Member, AAA-AIS section Literature Awards (Outstanding Contribution to the Literature and Outstanding Dissertation) committee, 2015 and 2016.

Member, Competitive Manuscript Award Selection Committee, 2009

Chair, IS Notable Contributions to the Literature Award, 2004, Information Systems Section of the American Accounting Association.

Reviewer/Discussant, AIS New Scholar Consortium, (Clearwater, Florida), IS Section of the American Accounting Association mid-year meeting, January 8, 2004.

Member, Faculty Development Advisory Committee (2000-2001).

Chair, Outstanding Dissertation Award Committee, IS Section, 2000-2001.

Member, AAA Program Advisory Committee - 1997 Annual Meeting

Chair, IS/MAS Notable Contributions to the Literature Award, 1997, Information Systems/Management Advisory Services Section of the American Accounting Association.

Chairperson, Information Systems/Management Advisory Services Section, American Accounting Association, 1993-1994.

Vice-Chairperson, IS/MAS Section, American Accounting Association, 1992 -1993.

Secretary/Treasurer, IS/MAS Section, American Accounting Association, 1991-1992.

Regional Director, Southeast Region, American Accounting Association, Section on Artificial Intelligence and Expert Systems, 1991-1992

"In the Literature" (contributing editor) - a column in the IS/MAS Newsletter (1988 - 1991)

IS/MAS Section Program Coordinator, Annual Meeting Program, AAA 1990 annual meeting.

Ad hoc reviewer, AAA Annual Meeting, 1986, 1987, 1991

Reviewer, AIS Annual Research Symposium, 1994-2001

AICPA

Campus Champion, 2001-2009.

Member, AICPA On-line Grassroots Panel (topic = Information Technology), 2005-2006.

Member, Information Technology Executive Committee, American Institute of Certified Public Accountants, 1999-2002. This committee developed the new CITP accreditation. I also participated in developing the CITP exam.

Participant, Board of Examiners Content Oversight Task Force Focus Panel. April 20, 1998 – New York. Focus group addressed how to increase IT coverage on CPA exam.

Member, Integration of Technology into the Learning Experience Task Force, American Institute of Certified Public Accountants, 1997-1998

Participant, AICPA Future Forum, December 6, 1997, Dallas Texas.

Member, Personnel Testing Subcommittee, American Institute of Certified Public Accountants, 1990-1991.

Member of American Institute of Certified Public Accountants Information Technology Research Subcommittee (formerly the EDP Technology Research Subcommittee), 1986-1989

Information Systems Audit and Control Association (ISACA)

Mapping Knowledge Statements – Model Curriculum topics (for DS5) committee, 2009

Faculty liaison (Academic Advocate) Phoenix Chapter, 2002-2016

Editorial Boards and other Reviewing

Editor, Journal of Information Systems (January 2008 – December 2010)

Associate Editor, Journal of Information Systems (December 2001 – December 2007)

Member, Editorial Board, Journal of Information Systems (Fall 1988 - 2001)

Member, Editorial Board, International Journal of Accounting Information Systems (2000-2011)

Member, Editorial Board, Advances in Accounting Information Systems (1994 - 1999)

Ad hoc reviewer for numerous journals, including *The Accounting Review*, *ABACUS*, *Auditing: A Journal of Practice & Theory*, *MIS Quarterly*, *Information Systems Research*, *Advances in*

Accounting, International Journal of Intelligent Systems in Accounting, Finance, and Management, and Decision Sciences.

Theses and Dissertation Committees

Degan Kettles, "Knowledge Sharing Among Sales People in Private Social Networking Platforms: The Effects Of Economic Factors, Social Factors, and Human Moderators," Ph.D. dissertation, Arizona State University, committee member. Completed 2012.

Mark Keith, "Towards the Coordination of Service-Oriented Software Development," Ph.D. dissertation, Arizona State University, committee member. December 2008.

Ko-Cheng Hsu, "The Effects of Cognitive Styles and Interface Designs on Expert Systems Usage: An Assessment of Knowledge Transfer," Ph.D. dissertation, Memphis State University, (1993), chairman.

Robert Wyatt, "The Effect of Electronic Meeting Systems on Group Performance: The Case of the Budgeting Decision," Ph.D. dissertation, Memphis State University, (1993), chairman.

Ashutosh Deshmukh, "The Role of Audit Technology and Extension of Audit Procedures in Strategic Auditing," Ph.D. dissertation, Memphis State University, (1993), committee member.

Jeff Romine, "The Quality Review Decision: An Analysis of Decision Search Processes, Decision Outcomes, Contextual Background, and Experience Effects," Ph.D. dissertation, Memphis State University (1992), committee member.

Dan L. Schisler, "An Experimental Examination of Taxpayers' and Tax Professionals' Aggressive Tax Preferences - A Prospect Theory Foundation," Ph.D. dissertation, Memphis State University, (1992), committee member.

Keith F. Sellers, "The Market's Perception of ESOP Sponsorship and the Debt or Equity Components of Leveraged ESOP Financing," Ph.D. dissertation, Memphis State University (1989), committee member.

Bruce Bradford, "Intraindustry Information Transfers Associated with the Repurchase of Common Stock," Ph.D. dissertation, Memphis State University (1989), committee member.

Richard L. Jenson, "Parametric Estimation of Programmatic Effort in a Manufacturing Database Environment," Ph.D. dissertation, University of Utah, 1988, committee member.

Lance Sateren, "Selection of a Hospital Pharmacy Computer System," masters theses, University of Utah, 1987, committee member.

Undergraduate Honors Theses

Rachel Mathews, “Spirituality as a Component of Community Mental Health Clinics,” Undergraduate Honors Thesis, Spring 2014, Director.

Justin Pirtle, “Excel Spreadsheet Errors in Practical Settings,” Undergraduate Honors Thesis, Spring 2012, Director.

Jeremy Andersen, “The Use of Technology in Phoenix Law Firms,” Undergraduate Honors Thesis, Spring 2000, Director.

Philip Martens, “A Scientific Revolution in Accounting: A Study in Double-Entry & REA Accounting,” Undergraduate Honors Thesis, Spring 1998, reader.

Faculty Advisor for Student Clubs – Arizona State University

Sun Devil Survivors (Fall 2011 – Summer 2017)

ASU Lutheran Campus Ministry (Summer 2015 – Fall 2016)