

J. Harold Pardue, Ph. D.

Professor, IS program coordinator and Graduate Director
School of Computing
University of South Alabama

Telephone: (251) 461-1600
e-mail: hpardue@southalabama.edu

Education

Bachelor of Arts, Magna Cum Laude, May 1989, University of South Alabama, Major: Philosophy

Master of Computer and Information Sciences, May 1991, University of South Alabama

Doctor of Philosophy, March 1996, The Florida State University, College of Business, emphasis in Information and Management Sciences, support area in Statistics.

Dissertation: "A Systems Analysis of the Commercialization of Information Technologies by IT Producing Industries." Major professor: Dr. Tom Clark.

Dates of Academic Appointments

Graduate Director, University of South Alabama, 2013 to present
Information Systems/Information Technology program coordinator (chair), 2011 to present
Information Systems program coordinator (chair), 2008 to present
Professor of Information Systems, University of South Alabama, 2005 to present
Associate Professor of Information Systems, University of South Alabama, 2000-2005
Assistant Professor of Information Systems, University of Minnesota Duluth, 1996 – 2000

Current Research Interests

Security and risk assessment in healthcare systems, trust in computer-mediated environments, and information systems and healthcare education.

Referred Journal Publications

Pardue, H., Campbell, M., Wisniewski, P., and Campbell, A. (2013) "Patient Centered E-Health: The Patient Journey." *Communications of the AIS* (*in press*).

Campbell, M., Pardue, J., Longenecker, B., Barnett, L., Landry, J. (2012). Treating the Healthcare Workforce Crisis: A Prescription for a Health Informatics Curriculum. *Information Systems Education Journal*, June 2012, Volume 10, Issue No. 3, pp 35-46. <http://isedj.org/2012-10/> ISSN: 1545-679X. A prior version of this paper appeared in the proceedings of ISECON 2011 in Wilmington, NC.

Longenecker, H. E. Jr., Campbell, Matt, Landry, Jeffrey P., Pardue, J. H., and Daigle, Roy J., "A Health Informatics Curriculum Compatible with IS2010 and IMIA Recommendations for an Undergraduate Degree," *Information Systems Education Journal (ISEDJ)*, April 2012, Volume 10, Issue No. 2, pp 15-32. URL: <http://isedj.org/2012-10/> ISSN: 1545-679X. A prior version of this paper appeared in the proceedings of ISECON 2011 in Wilmington, NC.

Jingshan Huang, Dejing Dou, Jiangbo Dang, J Harold Pardue, Xiao Qin, Jun Huan, William T Gerthoffer and Ming Tan (2012) "Knowledge acquisition, semantic text mining, and security in health and biomedical informatics" *World Journal of Biological Chemistry* 3(2): 27-33.

Pardue, H., Landry, Jeffrey P., Yasinsac, A. (2011) "E-Voting Risk Assessment: A Threat Tree for Direct Recording Electronic Systems" *International Journal of Information Security and Privacy*, 5(3), 19-35.

Yasinsac, A, and Pardue, H, (2011) "Voting System Risk Assessment: A Process Using Threat Trees," *Journal of Information Systems Applied Research*, 4(1), pp. 4-16. <http://jisar.org/2011-4/> ISSN: 1946-1836.

Landry, Jeffrey P., Daigle, Roy J., Longenecker, Herbert E. Jr., and Pardue, Harold, (2010) "IS 2002 and ABET Accreditation: Meeting the ABET Program Outcome Criteria," *Information Systems Education Journal*, 8(67), URL: <http://isedj.org/8/67>

Pardue, J. Harold, J. Landry, E. Kyper, R. Leovano, (2009) "Look-ahead and look-behind Shortcuts in Large Item Category Hierarchies: The Impact on Search Performance" *Interacting with Computers* 21(4), pp. 235-242.

Mathews, J. and Pardue, J. Harold, (2009) "The emergence of IS skills in the library science profession: a content analysis of job ads," *College & Research Libraries*, 70(3), pp. 250-257.

Pardue, J. Harold, Landry, J. P. , Shaw, C. (2008) "Trustworthiness in Computer-Mediated Transactions: A Content Analysis of Trustor Feedback," *Journal of Technology Research*, Vol. 1, URL: <http://aabri.com/manuscripts/08007.pdf>

Pardue, J. Harold, Landry, Jeffrey P. and Longenecker, Herbert E. Jr., McKell, Lynn J. (2006) "Computing Program Curriculum Assessment: The Emergence of a Community of Practice," *Special Issue of Journal of Informatics Education Research*, vol. 8 (2).

McKell, Lynn J., Reynolds, John H., Longenecker, Herbert E. Jr., Landry, Jeffrey P., and Pardue, J. Harold (2005) "Information Systems Analyst (ISA): A Professional Certification Based on the IS 2002 Model Curriculum," *Review of Business Information Systems*, vol. 9(3).

Reynolds, John, H., Herbert E. Longenecker, Jr , Jeffrey P. Landry , & J. Harold Pardue, Brooks Applegate (2004) "Information Systems National Assessment Update: The Results of a Beta Test of a New Information Systems Exit Exam based on the IS 2002 Model Curriculum," *Information Systems Education Journal* vol. 2(24), URL <http://isedj.org/2/24/>

Daigle, Roy, J., Herbert E. Longenecker, Jr , Jeffrey P. Landry , & J. Harold Pardue Pardue, (2004) "Using the IS 2002 Model Curriculum for Mapping an IS Curriculum," *Information Systems Education Journal* vol. 2(1), URL <http://isedj.org/2/1/>

Landry, J., H. Pardue, B Longenecker, and D Feinstein, (2003) "A Common Theme for IT Degree Programs." *Communications of ACM*.

Landry, J., H. Pardue, and M. V. Doran (2002) "Encouraging Students to Adopt Software Engineering Methodologies: The Influence of Structured Group Labs on Beliefs and Attitudes." *Journal of Engineering Education* Vol. 91 (1).

Brandyberry, A. and Pardue, H. (2001) "The Effectiveness of Computer-based 'Game Show' Formats in Survey Courses: A Quasi Experiment." *Journal of Information Science Education*. Vol. 12 (2)

Pardue, H., Doran, M., and Longenecker, H. E. (2000) "Using Polya to Teach System Development Methodologies: Fostering a Role Perspective in IS Students" *Journal of Information Systems Education*, Vol. 11(1&2).

Pardue, H., Higgins, E., and Biggart, T., (2000) "The Impact of New Product Announcements on Firm Value in IT producing Industries: An Examination of Industry-level Evolutionary Eras" *Engineering Economist*, Vol. 45(2), pp. 144-157.

Pardue, H. (1999) "A Trust-based Model of Consumer-to-Consumer Online Auctions" *The Arrowhead Journal of Business*, Vol. 1(1), pp. 69-77.

Pardue, H., Clark, T, and Graham, W. (1999) "A system dynamics approach to modeling short- and long-term dynamics in the commercialization of technical advances in IT producing industries." *System Dynamics Review*, Vol. 15(0), pp. 97-105.

Daigle, R, Doran, M., and Pardue, H. (1999) "Group Zig Zag: An Extension of Myers' Zig Zag Model" *Journal of Psychological Type*, Vol. 48, pp. 34-41.

Pardue, H., Doran, M., and Longenecker, H. E. (1994) "Student Perception of Benefits of a Structured CS1 and CS2 Lab Environment," *Journal of Computer Information Systems*, Vol. 34(4), pp. 40-3.

Book Chapters

Landry, Jeffrey P. and Pardue, J. Harold, "CASE: An Information Security Certification Exam," in M.E. Whittman and H.J. Mattord (Eds.), *Readings and Cases in the Management of Information Security*, Volume II, Boston, MA: Thomson Course Technology (2009).

Referred Full Conference Papers

Campbell, D. J., Ellis, D. N. Baxter, A. & Pardue, H. "The Choices Project: Piloting a Secondary Transition Planning Database," *Society of Information Technology & Teacher Education International Conference (SITE 2013)* (pp. 4998-5002). Chesapeake, VA.

Landry, J., Pardue, H., Daigle, R., and Longenecker, H. E., "A Data Management Assessment Instrument," *Information Systems Education Conference (ISECON 2012)*, November 2012, New Orleans, LA (awarded distinguished paper).

Pardue, J. H., Landry, J., and Sweeney, R., "Wiki Mass Authoring for Experiential Learning: A Case Study," *Information Systems Education Conference (ISECON 2012)*, November 2012, New Orleans, LA (awarded Distinguished Paper).

Pardue, H., Patidar, P., Landry, J., Johnsten, T., and Campbell, M., (2011) "A Threat Tree for Health Information Security and Privacy," *Americas Conference on Information Systems (AMCIS 2011)*, August 2011, Detroit, MI.

Pardue, H., Patidar, P (2011) "Threats to Healthcare Data: A Threat Tree for Risk Assessment," *International Association of Computer Information Systems (IACIS 2011)*, October 5-8, 2011.

Pardue, H., Kyper, E. and Singh R. (2011) "Sensitivity Analysis of a MonteCarlo Risk Assessment Model for Voting System Threats," South east Decision Sciences Institute conference. February 2011.

Campbell, D. J., Ellis, D. N. Baxter, A. & Pardue, H. (July, 2011) *Improving Transition Outcomes for Students: the Choices Project*. 2011 Mega Conference, Mobile Alabama.

Campbell, M., Pardue, H., Longenecker, B., Barnett, L., and Landry, J., (2011) "Treating the Healthcare Workforce Crisis: A Prescription for a Health Informatics Curriculum" *In the proceedings of ISECON 2011*.

Longenecker, B., Campbell, M., Landry, J., Pardue, H., and Daigle, R. (2011) "A Health Informatics Curriculum Compatible with IS2010 and IMIA Recommendations for an Undergraduate Degree," *In the proceedings of ISECON 2011*.

Landry, J., Daigle, R., Pardue, H., Longenecker, B., and Campbell, M. (2011) "Health Informatics as an ABET-CAC Accreditable IS Program," *In the proceedings of ISECON 2011*.

Yasinsac, A., Pardue, Harold, (2010) "Voting System Risk Assessment Using Threat Trees," *Conference on Information Systems Applied Research (CONISAR)*, Nashville TN. *Distinguished paper*.

Pardue, Harold, Yasinsac, A., and Landry, J., (2010) "Towards Internet Voting Security: A Threat Tree for Risk Assessment," *Conference on Risks and Security of Internet Systems, (CRiSIS)*, Montreal, Canada.

Campbell, D. J., Baxter, A., Ellis, D. N., & Pardue, H. J. (June 2010). *Transition Outcomes for Special Education Secondary Students: Choices Project*. Poster session presented at **Connecting Research, Policy and Practice: Fifth Annual IES Research Conference and Poster Exhibition**. National Harbor, Maryland.

Ellis, D. N., Baxter, A., Campbell, D., Pardue, H., & Zito, S. (July, 2010). *Improving transition outcomes for students in special education*. Biannual Conference of the Division of International Special Education and Services of the Council for Exceptional Children, Riga, Latvia.

Pardue, H. and Landry, J., (2009) "A Risk Assessment Model for Voting Systems using Threat Trees and Monte Carlo Simulation," *First International Workshop on Requirements Engineering for E-voting Systems*, August 31 2009, Atlanta, Georgia. (DOI) : 10.1109/RE-VOTE.2009.1)

Daigle, R., Landry, J., Longenecker, Herbert E. Jr., and Pardue, H. (2009) "IS 2002 and ABET Accreditation: Meeting the ABET Program Outcome Criteria," *Proceedings of ISECON 2009*, v 26

Pardue, J. H. and Landry, Jeffrey P. (2009) "Using Trust-TAM to Explain Software Component Adoption," *Americas Conference on Information Systems (AMCIS 2009)*, August 2009

McKell, L J, H E Longenecker, J P Landry, and H Pardue, Integrating Institutional and Individual Information Systems Assessment Through the Center for Computing Education Research," *Americas Conference on Information Systems (AMCIS 2007)*, August 2007, Colorado.

Longenecker, H E, Landry, J P, Pardue, J H, Henderson, D, Cupoli, P, et al, Development Of The CDMIQ Exam for Program Assessment and Job Entry Certification of Data Management and Information Quality,"

Proceedings of the 12th International Conference on Information Quality (ICIQ), November 9-11, 2007, Cambridge, MA.

Landry, Jeffrey P., Pardue, J. Harold, Longenecker, Herbert E. Jr. and John H. Reynolds, "Breadth and Depth Coverage in IS Areas for Curriculum Accreditation: A National Study," *Americas Conference on Information Systems (AMCIS 2005)*, August 2005, Omaha NE.

McKell, L J, J Reynolds, H E Longenecker, J P Landry, and H Pardue. The Center for Computing Education Research (CCER): A Nexus for IS Institutional and Individual Assessment. In *The Proceedings of ISECON 2005*, v 22 (Columbus OH)

Landry, J, H Pardue, H Longenecker, J Reynolds, L McKell, and B White. Using the IS Model Curriculum and CCER Exit Assessment Tools for Course-Level Assessment. In *The Proceedings of ISECON 2005*, v 22 (Columbus OH)

Presley, S S, H E Longenecker, J H Pardue, and J P Landry. Suggested Characteristics of User Interfaces in Support of IS 2002 Curriculum Model Implementation and Program Accreditation. In *The Proceedings of ISECON 2005*, v 22 (Columbus OH)

Landry, Jeffrey P., Pardue, J. Harold, Reynolds, John H., and Longenecker, Herbert E. Jr., "IS 2002 and Accreditation: Describing the IS Core Areas in Terms of the Model Curriculum," *Information Systems Education Conference (ISECON 2004)*, November 2004, Newport, RI (awarded distinguished paper).

McKell, Lynn J., Reynolds, John H., Longenecker, Herbert E. Jr., Landry, Jeffery P., and Pardue, J. Harold "Integrating Program Evaluation and a New Certification for Information Technology Professionals," *ACM Special Interest Group for Technology Education (SIGITE 2004)*, Salt Lake City, Utah, October 2004.

Landry, Jeffrey P., et al "Using IS2002 to Assess the Impact of a Proposed Curriculum Change" (AMCIS 2004)

Pardue, J. Harold, and Landry, Jeffrey P. "The Emergence of an IT Discipline: An Evolutionary Perspective," *Information Systems Education Conference (ISECON 2003)*, November 6-9, 2003, San Diego, CA.

Daigle, Roy, J., Herbert E. Longenecker, Jr., Jeffrey P. Landry, and J. Harold Pardue, "Using the IS 2002 Model Curriculum for Mapping an IS Curriculum," *Information Systems Education Conference (ISECON 2003)*, November 6-9, 2003, San Diego, CA.

Pardue, Harold, Landry, J., Sharma, L. "Reuse Consumption: A Behavioral Model of Individual Reuse of Pre-build Software Components." (AMCIS 2003)

Alvarez, Cesar and Pardue H. "A Reference Architecture Based on Web Components for Ubiquitous Information Systems." (AMCIS 2003).

Pardue, Harold, Landry, J., Kyper, E. "Shortcut Usage in Hierarchical Website Navigation: The Impact on Search Performance" *Northeast Decision Sciences Institute*, March 2003.

"Evaluation of alternative interface designs for e-tail shopping: an empirical study of three generalized hierarchical navigation schemes" with Jeffery P. Landry, *Americas Conference on Information Systems (AMCIS 2001)*, August 2001.

"Adoption and Usage of the IS'97 Model Curriculum: Results of a Faculty Survey," Landry, Jeffrey P., J. H. Pardue, and Longenecker, Herbert. E. Jr., *Americas Conference on Information Systems (AMCIS 2001)*, August 2001.

"Open Source Software Development: A Business Model," J. H. Pardue, *Decision Sciences Institute Conference*, 2000.

"The Influence of Group Labs on Student Adoption of Software Methodologies: An Empirical Test," with Jeffrey P. Landry, M.V. Doran, and Roy J. Daigle, *AIS Americas Conference*, 1997.

"An Approach to Measuring Extent of Organizational Use of Web Functionalities: A Content Analysis of HTML Tags," with Debabroto Chatterjee, *AIS Americas Conference*, 1997.

"Integrating Collaborative Problem Solving Throughout the Curriculum," with Roy J. Daigle and Michael V. Doran, *SIGCSE '96*, 1996.

"A Systems Analysis and Model of Real-time Skin Cancer Treatment," with Thomas D. Clark and Armand B. Coggnetta, *Winter Simulation Conference*, 1995.

"A Soft Systems Approach to Input Distribution Estimation for a non-stationary Demand Process," with Jeffrey P. Landry and Thomas D. Clark, *Winter Simulation Conference*, 1995.

"A Group Problem-solving Model for the CIS Curriculum," with Roy J. Daigle and M.V. Doran, *AIS Americas Conference*, 1995.

"A Systems Approach to a Data Structures Course for Information Systems Students Consistent with DPMA IS'90," with M.V., Doran and H.E. Longenecker, *ISECON*, 1994.

"Software Quality: A Synthesis of Research on Quality and Defects," *Proceedings of the Decision Sciences Institute*, 1993.

"Strategies for Success in CS1 and CS2: Implications of Polya in Implementing Software Engineering Principles," with M.V. Doran and H.E. Longenecker, *Conference of the Association of Management*, 1993.

"A Methodology for Group Learning in the Computer Science Environment," with M.V., Doran and H. E. Longenecker, *Proceedings of the Southeast Regional Decision Sciences Institute*, 1991.

Invited Presentations

New Techniques and Technologies for the Exchange of Technology and Know-how Conference (Crete, June 2001). Eurostat, the statistical office of the European Communities, hosts this annual international conference. Talk and paper dealt with organizational and technology issues associated with Open Source as a software development methodology. The paper was published in the proceedings and the presentation was web cast live.

Grants

\$1,286,542 [**funded**] (2010-2013) Health Information Technology Extension Program: Regional Centers Cooperative Agreement Program. EP-HIT-09-003

\$837,556 [**funded**] Health Resources & Services Administration, "Web-based Master of Science in Nursing with Healthcare Informatics Specialty" HRSA-10-065

\$1,300,000 [**funded**] National Center for Special Education Research (NCSE) grant (2009-2011). CHOICES: transition planning and tracking system. USA professor Harold Pardue will lead the technology team for this project.

\$1,000,000 [**funded**] University of South Alabama (2008), "Voting System Risk Assessment," Solicitation Number EAC-RDV08-R-001, Submitted to the Elections Assistance Commission, September 5, 2008, Initial Award Amount: \$788,312 for a 10 month project.

\$75,000 [**funded**] Alabama Council for Developmental Disabilities (ACDD) (2008). Transition planning and tracking system. USA professor Harold Pardue lead the technology team for this project.

\$1,702,700 [**not funded**] Office of the National Coordinator (ONC), "Expanding the workforce of qualified healthcare IT professionals for the adoption of meaningful use of EHR: a collaborative development of curriculum components for community college training programs." FOA-OC-HIT-10-001

\$25,000 [**not funded**] AT&T Technology and Environment Awards Program.

Teaching Experience

2000 – Present University of South Alabama

ISC 324 – Database Design, Development, and Management
ISC 350 – Information Systems in Organizations
ISC 361 – Database for Information Systems
ISC 459 – Distributed application design
ISC 450 – Health Informatics Systems Analysis and Design
ITE 482 – Ecommerce Systems
CIS 507 – Database Programming
CIS 518 – Research Methods
ISC 545 – Management Information Systems
ISC 550 – Health Informatics Systems Analysis and Design
ISC 551 – Human Computer Interaction
ISC 559 – Information Systems Applications Design and Implementation
ISC 561 – Information Systems Database Management
ISC 563 – Database Administration
ISC 594 – Directed Study
CIS 597 – Computer and Information Sciences Graduate Seminar

1996 – 2000 University of Minnesota Duluth

FMIS – 1201 Introduction to Business Information Systems
FMIS – 3211 Management Information Systems
FMIS – 3222 Structured Systems Analysis
FMIS – 3223 Structured Systems Design
FMIS – 3228 Electronic Commerce
ART – 4972 Interdisciplinary Interface Design
FMIS – 5981 Advanced Application Development

1994 – 1996 Florida State University

QMB 3200 – Quantitative Methods for Business Decisions
MAN 3010 – Concepts of Operations Management
GCS 3403 – COBOL Programming for Business
ISM 4212 – Database Management

Professional activities

Co-director (2003-2006) *Center for Computing Education Research* whose mission it is “to facilitate development of excellence in computing education and training by generating current, accurate, and pertinent assessment examinations, certifications, and processes to facilitate and recognize continuous improvement in university and industry computing programs.”

Honors and Awards

MGCCC 2013 Alumni Hall of Fame

USA Faculty Senate outstanding 50 Faculty (as part of USA 50th Anniversary)

Teacher of the Year: School of Computer and Information Sciences (2005).

Faculty of the Year: International Student Association (2004).

Innovation in Leadership of Business Education (1999 - Mid-Continent East Dean's council)

Faculty of the Year (1999 – University of Minnesota Duluth)