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Computer Information Systems
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I. Academic Qualifications

PhD 2010	Sam M. Walton College of Business, University of Arkansas Major: <i>Information Systems</i>
MBA 2005	California State University Sacramento Major: <i>Information Systems</i>
BS 2001	Thapar Institute of Engineering and Technology, Thapar University Major: <i>Civil Engineering</i>

II. Research

Research Interests

- Behavioral issues in electronic commerce, IT acceptance, and use;
- Applications of RFID in operations management especially in supply chain visibility; and
- Business analytics using advanced data mining techniques.

Refereed Journal Articles

1. "Text Mining Using Latent Semantic Analysis: An Illustration through Semi-Automatic Clustering analysis of 30 Years of Research at JIS" with J. Guan and A. Levitan, *Journal of Information Systems*, forthcoming.
2. "The Effectiveness of RFID in Backroom and Sales Floor Inventory Management," with B. C. Hardgrave, J. A. Aloysius and N. DeHoratius, *International Journal of Logistics Management*, (27:3), 2016, pp. 795-815.
3. "Improving Bad Debt Recovery in the Healthcare Industry-An Approach Using Neuro-fuzzy System with Semi-supervised Learning," with J. Zurada, D. Shi, and J. Guan, *Journal of International Technology and Information*, (24:1), 2015, pp. 1-16.
4. "RFID for Fashion: Advancements in Research, Technology and Implementation," with E. Bottani, E. and A. Volpi, *International Journal of RF Technologies*, (6.2-3), 2015, 1-3.
5. "Expectation Confirmation in IS Research: A Test of Six Competing Models," with S. A. Brown and V. Venkatesh, *MIS Quarterly*, (38:3), 2014, 729-756.

6. "RFID-Enabled Visibility and Inventory Inaccuracy: An Experiment in the Field," with B. C. Hardgrave and J. A. Aloysius, *Production and Operations Management*, (22:4), 2013, pp. 843-856.
7. "Learning in Color: How Color and Affect Influence Learning Outcomes," with R. Kumi, C. Conway and M. Limayem, *IEEE Transactions on Professional Communication*, (56:1), 2013, pp. 2-15.
8. "Expectation Confirmation in Technology Use," with S. A. Brown and V. Venkatesh, *Information Systems Research*, (23:2), 2012, pp. 474-487.
9. "Effects of Presence, Copresence, and Flow on Learning Outcomes in 3D Learning Spaces," with M. Hassell, M. Limayem and I. Boughzala, *Administrative Issues Journal*, (2:1), 2012, pp. 62-74.
10. "Improving Inventory Management in the Retail Store: The Effectiveness of RFID Tagging across Product Categories," with B. C. Hardgrave and J. A. Aloysius, *Operations Management Research*, (4:6-13), 2011, pp. 6-13.
11. "Expectation Disconfirmation and Technology Adoption: Polynomial Modeling and Response Surface Analysis," with V. Venkatesh, *MIS Quarterly*, (34:2), 2010, pp. 281-303.
12. "Does RFID Improve Inventory Accuracy? A Preliminary Analysis," with B. C. Hardgrave and J. A. Aloysius, *International Journal of RF Technologies and Applications*, 1(1), 2009, pp. 44-56.

Conference Papers and Presentations

1. "External Knowledge for Knowledge Creation and Innovation," with M. Ahuja, and A. Kankanhalli, in *The SIG Open Workshop (Pre-ICIS)*, December 13, 2015, Fort Worth, TX.
2. "Retail Store Inventory Management" with B. C. Hardgrave, A. Manikas, and J. A. Aloysius in *26th Annual Conference of the Production and Operations Management Society*, May 8-15, 2015, Washington, DC.
3. "Unfulfilled Obligations in Recommendation Agent," with F. D. Davis, and M. Limayem in *Proceedings of the 33rd International Conference on Information Systems (ICIS)*, December 16, 2012, Orlando, Florida. (Nominated for best paper award)
4. "Item-level RFID Tagging and Inventory Record Accuracy," with B. C. Hardgrave and J. A. Aloysius, in *22nd Annual Conference of the Production and Operations Management Society*, April 29 - May 2, 2011 Reno, NV.

5. "Impact of Color on the Context of Computer-Mediated Communication," with R. Kumi, C. Conway and M. Limayem, in *41st Annual Meeting of the Decision Sciences Institute*, November 20-23, 2010, San Diego, CA.
6. "Item-level RFID Tagging and Inventory Record Accuracy," with B. C. Hardgrave and J. A. Aloysius, in *15th INFORMS Annual Meeting*, November 7-10, 2010, Austin, TX.
7. "RFID-Enabled Visibility and Inventory Inaccuracy: Experiments in the Field," with B. C. Hardgrave and J. A. Aloysius, in *21st Annual Conference of the Production and Operations Management Society*, May 7-10, 2010, Vancouver, Canada.
8. "Reducing Inventory Inaccuracy in the Supply Chain: Experiments with RFID Technology," with B. C. Hardgrave and J. A. Aloysius, in *14th INFORMS Annual Meeting*, October 11-14, 2009, San Diego, CA.
9. "Using RFID to Improve Inventory Accuracy," with B. C. Hardgrave and J. A. Aloysius, in *Proceedings of the Fifteenth Americas Conference on Information Systems*, August 6-9, 2009, San Francisco, CA.
10. "Being There: An Empirical Look at Learning Outcomes in 3D Virtual Worlds," with M. Hassell, M. Limayem and I. Boughzala, in *Proceedings of the Fifteenth Americas Conference on Information Systems*, August 6-9, 2009, San Francisco, CA.
11. "RFID-enabled Visibility and Inventory Accuracy," In *7th Annual Big XII+ MIS Research Symposium*, April 4-5, Lincoln, NE, 2009.
12. "Psychological Contract Violation in Recommendation Agent Use," with F. D. Davis, and M. Limayem, in *The Seventh Annual Workshop on HCI Research in MIS (Pre-ICIS)*, December 13, 2008, Paris, France.
13. "Diversity and Conflict in Teams: A Faultline Model Perspective," with L. M. Maruping and L. P. Robert, in the *Best Paper Proceedings of the 68th Academy of Management Conference*, August 8-13, Anaheim, CA, 2008.
14. "Improving Understated PI Accuracy: An Investigation of RFID's Utility," with B. C. Hardgrave and J. A. Aloysius, in *19th Annual Conference of the Production and Operations Management Society*, May 9-12, 2008, San Diego, CA.
15. "Psychological Contract Violation in Recommendation Agent Use," In *6th Annual Big XII+ MIS Research Symposium*, April 5-6, Lubbock, TX, 2008.
16. "A Theory of Flexibility and Agility for Purposes of Alignment and Adaptability: A Delphi Study," with L. Legorreta and L. Riolli in *36th Annual Meeting of the Decision Sciences Institute*, November 25-28, 2005, San Francisco, CA.

Books

- Goyal, S., and Wang, X. *Exploring Spreadsheet Software*, Pearson Custom Publishing, Sacramento, CA, 2005 (ISBN 0536845875).

Involvement in Sponsored Research Grants

- Dillard's Incorporated, 2008-12, "Shopping Cart Abandonment at Dillards.com," (with M. Limayem, F. D. Davis, and J. A. Aloysius).
- Wal-Mart Incorporated, 2008-09, \$150,054, "The Business Case for RFID," (with B. C. Hardgrave and J. A. Aloysius).
- Wal-Mart Incorporated, 2006-08, \$224,806, "Examining Supply Chain Efficiency Gains from RFID," (with B. C. Hardgrave and J. A. Aloysius).

III. Teaching

Teaching Experience

Summary of Course Evaluations at the College of Business at the University of Louisville			
Course Name	Semester	# of Students	Evaluation (out of 5)
CIS 420: CIS Development Project	Fall 2013	21	4.26
CIS 420: CIS Development Project	Spring 2014	25	4.13
CIS 300: Computer Information Systems	Spring 2014	22	4.59
CIS 420: CIS Development Project	Fall 2014	25	4.14
MBA 608: Technology Management	Fall 2014	46	3.36
MBA 608: Technology Management	Spring 2015	20	4.44
CIS 420: CIS Development Project	Spring 2015	18	4.47
CIS 420: CIS Development Project	Spring 2015	21	4.46
MBA 608: Technology Management	Fall 2015	48	4.20
IMBA 644: Information Technology Strategy	Fall 2015	20	3.70
CIS 420: CIS Development Project	Fall 2015	22	4.77
CIS 420: CIS Development Project	Fall 2015	21	3.72
CIS 420: CIS Development Project	Spring 2016	18	4.35
CIS 420: CIS Development Project	Spring 2016	20	4.34
MBA 608: Technology Management	Fall 2016	48	4.55
IMBA 644: Information Technology Strategy	Fall 2016	17	4.40
CIS 420: CIS Development Project	Fall 2016	22	4.09
CIS 420: CIS Development Project	Fall 2016	22	4.12
MBA 680: Introduction to Business Analytics	Spring 2017	27	4.02
MBA 680: Advanced Business Analytics	Spring 2017	18	4.50
CIS 420: CIS Development Project	Spring 2017	17	4.38
CIS 420: CIS Development Project	Spring 2017	5	3.90
MBA 680: Introduction to Business Analytics	Summer 2017	21	4.73
MBA 680: Advanced Business Analytics	Summer 2017	18	4.88

Summary of Course Evaluations at the College of Business at the University of Southern Indiana

Course Name	Semester	# of Students	Evaluation (out of 5)
CIS 377: Database Concepts	Fall 2010	16	4.77
CIS 305: Management Information Systems	Fall 2010	40	4.59
CIS 305: Management Information Systems	Fall 2010	40	4.45
CIS 377: Database Concepts	Spring 2011	30	4.45
CIS 305: Management Information Systems	Spring 2011	40	4.68
CIS 477: Applied Software Development	Spring 2011	10	4.62
CIS 111: Intro. to Comp. Information Systems	Fall 2011	32	4.64
CIS 377: Database Concepts	Fall 2011	28	4.87
CIS 477: Applied Software Development	Fall 2011	9	4.41
CIS 111: Intro. to Comp. Information Systems	Spring 2012	13	4.42
CIS 377: Database Concepts	Spring 2012	17	4.80
CIS 477: Applied Software Development	Spring 2012	11	4.47
CIS 111: Intro. to Comp. Information Systems	Fall 2012	10	4.67
CIS 377: Database Concepts	Fall 2012	20	4.90
CIS 477: Applied Software Development	Fall 2012	10	4.90
CIS 377: Database Concepts	Spring 2013	20	4.72
CIS 385: Enterprise Resource Planning	Spring 2013	19	4.74
CIS 477: Applied Software Development	Spring 2013	10	4.89

Summary of Course Evaluations at the Sam M. Walton College of Business at the University of Arkansas

Course Name	Semester	# of Students	Evaluation (out of 5)
WCOB 1033: Data Analysis	Fall 2006	55	4.35
WCOB 1033: Data Analysis	Spring 2007	60	4.58
WCOB 1033: Data Analysis	Spring 2007	58	4.27
WCOB 1033: Data Analysis	Spring 2008	39	4.91
ISYS 2263: Introduction to IS Development	Fall 2008	35	4.77
ISYS 2263: Introduction to IS Development	Fall 2009	50	4.62
WCOB 4213: ERP Fundamentals	Spring 2010	38	4.56

Summary of Course Evaluations at the College of Business at the California State University Sacramento			
Course Name	Semester	# of Students	Evaluation (out of 5)
MIS 123 Introduction to Information System	Fall 2002	40	3.99
MIS 123 Introduction to Information System	Fall 2002	41	4.01
MIS 123 Introduction to Information System	Spring 2003	45	3.81
MIS 123 Introduction to Information System	Spring 2003	44	4.34
MIS 123 Introduction to Information System	Fall 2003	42	4.47
MIS 123 Introduction to Information System	Fall 2003	44	4.36
MIS 123 Introduction to Information System	Spring 2004	41	4.41
MIS 123 Introduction to Information System	Spring 2004	42	4.15
MIS 123 Introduction to Information System	Fall 2004	50	4.41
MIS 123 Introduction to Information System	Fall 2004	40	4.21
MIS 123 Introduction to Information System	Spring 2005	49	4.14
MIS 123 Introduction to Information System	Spring 2005	48	4.18

IV. Awards and Honors

- *ICIS 2013 Junior Faculty Consortium Participant*, Milan, Italy, 2013
- *University Summer Research Grant*, University of Southern Indiana, 2013
- Nominated for Best Paper Award, *Intl. Conf. on Information Systems (ICIS)*, 2012, Orlando, FL
- *Summer Research Grant*, College of Business, University of Southern Indiana, 2012
- *Excellence in Research Award*, College of Business, University of Southern Indiana, 2012
- *Summer Research Grant*, College of Business, University of Southern Indiana, 2011
- *ICIS 2009 Doctoral Consortium Participant*, Phoenix, Arizona, 2009
- *DSI 2009 Doctoral Consortium Participant*, New Orleans, Louisiana, 2009
- *Graduate Student Excellence in Teaching Award*, Sam M. Walton College of Business, presented only to one doctoral student in the entire college, includes a cash prize of \$750, 2008-2009
- *Excellence in Publication in Premier Journals Award*, Information Systems department, Sam M. Walton College of Business, 2009
- *Student Research Grant*, 2008, Department of Information Systems, University of Arkansas
- *Dean's Recognition for Teaching Excellence*, Annual Commencement Ceremony, Sam M. Walton College of Business, 2009
- Doctoral Academy Fellowship, University of Arkansas, 2005-2009
- *Appreciation Award*, Information Systems Department, Sam M. Walton College of Business, for contribution to the department during tenure as a doctoral student, 2010.
- PhD Student Ambassador, 2008-2010
- Featured in semi-annual Capital University Journal, California State University Sacramento, 2003

V. Professional Experience

July 2017 – Present	Associate Professor (with tenure) College of Business, University of Louisville
July 2013 – June 2017	Assistant Professor College of Business, University of Louisville
August 2010 – July 2013	Assistant Professor Romain College of Business, Univ. of Southern Indiana
May 2007 – August 2010	Research Assistant Info. Tech. Research Institute, Univ. of Arkansas
August 2005 – August 2010	Research/Teaching Assistant Sam M. Walton College of Business, Univ. of Arkansas
May 2003 – September 2003	Database Developer Women Infant and Children, Dept. of Health Services
January 2002 – August 2005	Teaching Assistant College of Business, Sacramento State University
August 2001 – August 2003	Technical Support Specialist Office of the Vice President for Administration California State University Sacramento

VI. Professional Affiliations

- Member, *Association for Information Systems (AIS)*
- Member, *Information Systems Society (ISS), INFORMS*
- Member, *Production and Operations Management Society (POMS)*
- Member, *Decision Science Institute (DSI)*
- Member, *Academy of Management (AOM)*

VII. Service Responsibilities

University of Louisville

- Chair, Promotion and Tenure Committee, 2017-present
- Member, Scholarship Committee, 2013-present
- Organize CIS Seminar Series 2014-present
- Member MBA Program Committee, 2014-present
- Member Entrepreneurship MBA Program Committee, 2015-present
- Member, Search committee, 2014
- Member, Search committee, 2015

Student Advising:

- Doctoral thesis advisees:
 - Mahshid Jessri, starting fall 2015
- Undergraduate student advisees:
 - Justin Detherage, Spring 2016
 - Guy J. Stitt, Summer 2015

Community Service:

- Led a student team to develop an information system for the Kentuckiana Soccer Officials Association, a non-profit organization based in Kentucky, 2016
- Led a student team to develop an information system for the Land O'Lakes Arts, a non-profit organization based in Wisconsin, 2015
- Led a student team to develop an information system for the University of Louisville Vaccine and International Travel Center, 2015
- Led a student team to develop a procurement system for Baptist Health, a healthcare provider based in Louisville, KY, 2014
- Led a student team to develop an e-business for Restorative Justice of Louisville, a non-profit based in Louisville, KY, 2014
- Led a student team to develop an e-business for Kickoff-4-kids a non-profit based in Louisville, KY, 2013

University of Southern Indiana**Campus Activities: University Service**

- Chair, University Faculty Affairs Committee, 2012
- Member, Computer Science Faculty Search Committee, 2012
- Member, Health Informatics Faculty Search Committee, 2011
- Member, Ideation Contest Committee, Anchor Industries Inc., 2011

Campus Activities: College Service

- Co-chair, CIS Student Recruitment Committee, 2011-2013
- Co-chair, CIS Student Retention Committee, 2010-2013
- Member, Graduate Affairs Committee, 2010-2013
- Member, Computer Science Curriculum Review Committee, 2011
- Member, Computer Information Systems Curriculum Redesign Committee, 2010-2013

Student Advising:

Doctoral thesis advisees:

- Imbert Theadore, Southern Cross University, Australia 2012-present

Undergraduate project advisees:

- Ian Bruggeman, Summer 2011
- Maria Navas Sanchez, Spring 2011

Professional Activities: Ad-Hoc Reviewer

- *Information Systems Research*: Since 2009
- *MIS Quarterly*: Since 2010
- *Journal of the Association for Information Systems*: Since 2011
- *Journal of Operations Management*, Since 2011

- *International Conferences on Information Systems (ICIS)*: 2006, 2007, 2008, 2012-present
- *Academy of Management Annual Meeting*: 2008
- *Americas Conference on Information Systems (AMCIS)*: 2008, 2009
- *Hawaii International Conference on System Sciences (HICSS)*: 2009, 2012
- *Big XII MIS Research Symposium*: 2007, 2008, 2009

VIII. Technical Skills

1. *Operating Systems*: Windows, Linux
2. *Programming/Scripting Languages*: ASP.NET, VB.NET, Java, C#
3. *Database Systems*: Microsoft SQL Server, Oracle, IBM DB/2, MySQL
4. *Design Tools*: Oracle Designer, IBM Rational Design Tools
5. *Server Technologies*: Internet Information Server, Exchange Server, Apache
6. *Statistical Applications*: SAS, SPSS, AMOS, PLS Graph, SMART PLS, HLM, SYSTAT