

BIH-RU LEA, Ph.D.

Address: Department of Business & Information Technology
Missouri University of Science and Technology
301 W. 14th Street, Rolla, MO 65409

e-mail: leabi@mst.edu

LinkedIn: <https://www.linkedin.com/in/bihrulea>

Phone and FAX: (573) 341-6436 (Office), (573) 341-4812 (FAX)

Education and Certification:

Ph.D. Industrial Management , Clemson University, Clemson, South Carolina Dissertation Title: <i>The Impact of Management Accounting Alternatives in Different Manufacturing Environments</i> Focus Areas: Operation Management and Management Information Systems Advisor: Dr. Lawrence LaForge	05/1998
Master of Professional Accountancy , Clemson University, Clemson, South Carolina	05/1992
Bachelor of Business (Accounting) , Tamkang University, Taiwan, Republic of China	06/1988
Rapid Developer Certification , Mendix (Certificate Number: 13913)	07/2018
SAP Certified Business Associate , SAP America, Inc. (License No: 0008487257)	05/2011

Awards and Recognitions

1. Named in "Top 10 Outstanding ERP Professors," BSchools.org	03/2019
2. Outstanding Teaching Award, Missouri University of Science and Technology	12/2018
3. Instructional Innovation Award, Annual Conference, Decision Science Institute	11/2018
4. Best Learning and Education Research Paper Award, Annual Conference, Decision Science Institute	11/2018
5. Excellence in Service to Students Award, National Society of Leadership and Success - Sigma Alpha Phi, Missouri S&T Chapter	04/2018
6. Outstanding Professor Award of Excellence, Global Learning, Missouri University of Science and Technology	03/2017
7. Outstanding Teaching Award, Missouri University of Science & Technology	12/2016
8. Inspirational Women Award, Leadership, and Cultural Programs and Women's Programs, Missouri University of Science and Technology	2014
9. Outstanding Scholar Award, Midwest Chinese American Science & Technology Association, St. Louis, MO	2014
10. Global Learning 2010 Outstanding Teaching Commendation Award, Missouri University of Science and Technology	2010
11. Outstanding Teaching Award, Business & Information Technology, Missouri University of Science and Technology	2009
12. Team Coach, Champion of 2 nd International ERP Simulation Competition, Montreal, CA	06/2008
13. Beta Gamma Sigma	1998

Work Experience

- Associate Professor of Business & Information Technology, SAP Campus Coordinator, Center for ERP Director, Missouri University of Science and Technology, Rolla, Missouri.** 09/2008 - present
- Teach courses in the areas of Enterprise Resource Planning (ERP), Performance Dashboards Prototyping and Visualization, Data Warehouse Design and Implementation, Business Intelligence, ERP Configuration, and Implementation, and Supply Chain Management.
 - Coordinate, support, maintain, and upgrade SAP servers and Microsoft Dynamics ERP System with the Missouri S&T IT team to support classroom teaching and faculty research.
 - Coordinated and established the Business Intelligence Graduate Certificate and Digital Supply Chain Graduate Certificate.
 - Lead company engagement and established more than 80 major corporate partners for the Department of Business & Information Technology and Missouri S&T since 2003.
 - Responsible for the Center for ERP operations that include ERP curriculum design, corporate research, and education collaborations, student co-op/internship programs, and enrichment activities.
 - AACSB Accreditation and Reaccreditation
 - Responsible for Microsoft University Alliance, SAP Academic Alliance, Oracle Academic Alliance, and SAS University Programs.
- Visiting Faculty, Department of Management, Clemson University, Clemson, South Carolina** 09/2019 - 12/2019
- Collaborated, exchanged, and developed research projects in the areas of healthcare Information Technology, Enterprise Resource Planning (ERP), and Supply Chain Management (SCM).
 - Exchanged best practices in curriculum design and student engagement in the areas of ERP, SCM, and logistic analytics.
 - Collaborated and developed industry relationships in the areas of ERP and logistics.
- SAP Consultant, ABB, Selmer, Tennessee.** 07/2019 - 08/2019
- Reviewed, validated, and recommended improvement in SAP architecture design and configuration.
 - Provided technical support and troubleshooting on SAP system operations and configuration.
 - Facilitated, reviewed, and developed user training and education plans and materials.
 - Developed use cases for ABB and ERP classes at Missouri S&T.
 - Developed collaboration plans between ABB and Missouri S&T.
- Assistant Professor of Business & Information Technology and SAP Campus Coordinator, Missouri University of Science and Technology, Rolla, Missouri.** 09/2003 - 08/2008
- Taught courses in the areas of accounting principles, managerial accounting, Enterprise Resource Planning (ERP), Strategic Enterprise Management, ERP Configuration and Implementation, and System Design and Analysis.
 - Initiated and was responsible for Microsoft University Alliance, SAP Academic Alliance, Oracle Academic Alliance, and SAS Academic Alliance programs.
 - Lead and coordinate the establishment of the ERP program, an ERP minor, and an ERP Graduate Certificate.
 - Core faculty team in the curriculum design and deployment of the MBA program.
 - Core faculty team involved in the AACSB Accreditation.
- Assistant Professor of Computer Information Systems, University of Louisville, Louisville, Kentucky** 06/1999 - 05/2003
- Taught courses in the areas of computer programming, web programming, WWW development, and management information systems.
 - Served in the CIS Curriculum Development Committee to re-design the web-based CIS curriculum
 - Initiated and deployed a multi-media interactive computer classroom for CIS Department.

- Actively involved in faculty development activities representing views of female and minority faculty in IT.
- Assistant Research Director, UPS Center for Worldwide Supply Chain Management, Logistics and Distribution Institute, University of Louisville, Louisville, Kentucky.** 06/1999 - 05/2003
- Coordinated research projects in the areas of enterprise resource planning (ERP), supply chain management (SCM), manufacturing performance, and management accounting systems.
- Assistant Professor of Management Information Systems, Anderson University, Anderson, South Carolina** 08/1998 - 05/1999
- Taught courses in the areas of computer application, programming, Web Design, database management, system design and analysis, management of information systems, and Internet utilization.
 - Played a major role in the Curriculum Development Committee to establish a Computer Information System (CIS) concentration for Anderson College.
 - Provided and coordinated faculty training in the areas of web design, computer application, hardware, and software maintenance.
 - A key faculty in coordinating the construction of multi-media enhanced interactive computer teaching classrooms.
 - Actively involved in the Technology Committee that oversaw the development of the computer technology blueprint for the College as a whole.
 - A key faculty coordinated the design and development of the Anderson College website.
- Visiting Instructor at Clemson University, Clemson, South Carolina** 05/1998 - 07/1998
- Taught courses in information system design and database management systems for the MBA program.
- Assistant Professor of Computer Science at Anderson University, Anderson, South Carolina** 08/1997 - 05/1998
- Taught Introduction to Information Processing, Computer Science I, Computer Science II, Computer Applications in Business, and Management of Information Systems.
 - Served as the webmaster for Business Division, VanLab, and many other divisions.
 - Provided professional opinions and established guidance for computer technology development at Anderson College.
- Instructor, Anderson University, Anderson, South Carolina** 01/1997 - 06/1997
- Taught Introduction to Information Processing, Computer Science I, and Management of Information Systems.
- Research Assistant, Clemson Apparel Research, Clemson, South Carolina** 10/1996 - 05/1997
- Conduct system analysis and implementation.
 - Conduct simulation modeling and programming.

Research & Teaching Interests

- Enterprise Resource Planning (ERP) System Landscape and Architecture Design and Implementation
- Data Visualization and Decision Quality
- Impact of Performance Dashboards and Scorecards on Enterprise Strategies and Operations
- Visual Analytics and Intelligence on Supply Chain Visibility and Agility
- Enterprise Resource Planning (ERP) and Operational Effectiveness and Efficiency
- Cloud Computing and App Development
- Cognitive and Behavior Aspects in IT Education
- In-memory Data Warehouse Design and implementation in Analytics Support
- Influential Factors affecting Enterprise Mobility
- Business Application of Software Intelligent Agents
- Interdisciplinary Study in the Areas of Management Accounting Systems, Computer Information Systems, and Operations Management
- Impact of Information technology Usage on Business Education in Higher-Education Environments

Grants and Contracts

Grants & Funding Awarded (Total Funded: \$630,306.13 + software grants Shared Credit: \$365,602.54 + software grants)

1. Lea, B-R. (PI: 55%), Yu, W. (Co-PI: 15.5%), Hilgers, M. (Co-PI: 17%), Elrod, C. (Co-PI: 6%), Stanley (Co-PI: 4.5%), S., Eng. L. (Co-PI: 2.5%), *EnterpriseLive!* Phase I: Building an Integrated Living Business Simulation Platform, Infrastructure Enablement Proposal, \$100,000, Ignition Grant for Sustainable Educational Transformation (IGSET) Grant, Missouri University of Science and Technology. 2022 – 2024
2. Lea, B-R, (PI, 100%), Redesign and Deploy ERP 2110 Introduction to Enterprise Resource Planning (ERP) as a Blended Course, \$5,000, Center for Advancing Faculty Excellence (CAFÉ), Missouri University of Science and Technology. 2022 – 2023
3. Lea, B-R. (PI, 100%), ERP Simulation Competition Sponsorship, ATI, Peabody Energy, RSM, Olin, Kummer College \$2,600. 10/2022
-12/2022
4. Lea, B-R. (PI, 100%), ERP Education in Analytics and Data Modeling, \$2,450, Accenture, ATI, Olin, RSM, Spectrum. 04/2022
- 12/2022
5. Lea, B-R. (PI, 100%), The Role of Personality and Affect on Student Preference, Level of Engagement, and Learning Outcome between Instructor-led In-Person computer Exercises and the Use of Recorded Computer Tutorials, \$2,601.99, Center for Advancing Faculty Excellence (CAFÉ), Missouri University of Science and Technology. 07/2021
-12/2022
6. Lea, B-R. (PI: 40%), Yu, W.B. (20%), Claybaugh, C. (20%), Chiu, Y. (20%), Advancing Enterprise Resource Planning (ERP) Education, Boeing, \$1,000 Annually. 2019
7. Lea, B-R. (PI, 100%), Expanding Research and Teaching Productivity through Collaboration with ABB, Clemson University, and University of Missouri – St. Louis, Mini-Sabbatical Grant, Center for Advancing Faculty Excellence (CAFÉ), Missouri University of Science and Technology, \$7,402.16. 2019
8. Lea, B-R. (PI, 100%), ERP Simulation Competition Sponsorship, Boeing, Deloitte, ABB, Peabody Energy, RSM, \$2,000. 2019
9. Lea, B-R. (PI, 70%), Claybaugh, C. (Co-PI, 30%) Influence of Cognitive Aptitude and Personality Traits on Performance of Learning an Enterprise Resource Planning (ERP) System, ROLLA_0059122_00065644_V101, Charter Communications, \$7,115 (shared credit: \$4980.5) 12/2018
10. Lea, B-R. (PI, 100%), ERP Simulation Competition Sponsorship, Boeing, Deloitte, Monsanto, Peabody Energy, RSM, Union Pacific, Walmart, \$2,734. 2018
11. Lea, B-R. (PI, 100%), \$2,500, Union Pacific Research Scholarship. 2017 - 2018
12. Lea, B-R (PI, 100%), Influence of Visualization Model Complexity and Prior Autism Spectrum Disorder (ASD) Knowledge on Teachers' Ability for Early ASD Diagnosis, Eastman Chemical, \$1,500, 2016-2017. 2016 - 2017
13. Lea, B-R. (PI: 50%), Eng, L. (Co-PI: 50%), Impact of Cross-Functional Interdisciplinary Team Structure and Immersive Learning Environment on Students' Perception of the Learning Experience, Engagement, and Course Satisfaction, Office of Undergraduate Studies and Global Learning, Missouri S&T, awarded, \$3,000 (shared credit: \$1,500). 2016 - 2017
14. Lea, B-R. (PI, 100%), ERP Simulation Competition Sponsorship, \$1,980, 2017. 2017
15. Lea, B-R. (PI, 100%), ERP Simulation Competition Sponsorship, \$2,660, 2016. 2016
16. Lea, B-R. (PI, 100%), Collaborative Supply Chain Planning Involving Local Entrepreneurs: A Fort Leonard Wood Case Study, Deloitte, \$900. 2015 – 2016

17. Lea, B-R. (PI, 45%), Smith, G. (Co-PI, 45%), Uetrecht, D. (Co-PI, 10%), HANA Appliance in Research & Teaching Support, as a part of Missouri S&T Virtualization and Big Data Infrastructure Laboratory, \$128,241.98.	2014 - 2016
18. Lea, B-R. (PI, 50%), Yu, W (Co-PI, 50%): Applications and Literature Review of In-memory Data Warehouse Architecture and Big Data Visualization Modeling in Medical Diagnostics Decision Process, \$5,000, Business & Information Technology.	2015 - 2016
19. Lea, B-R. (PI, 100%), Business Analytics & Big Data, \$1,000, Deloitte.	2015 - 2016
20. Lea, B-R. (PI, 100%), Autism Spectrum Disorder & Visualization, Eastman Chemical, \$1,500.	2015 - 2016
21. Lea, B-R. (PI, 100%), ERP Simulation Competition Sponsorship, \$1,200.	2015
22. Lea, B-R. (PI, 100%), Deloitte Case Competition, \$1,000.	2015
23. Lea, B-R. (PI, 65%), Donald Wunsch (Co-PI, 35%), In-Memory Database Design to Support Visualization in ASD Research, \$15,000 (shared credit: \$9,750), Missouri S&T Innovation Teams.	2015 - 2016
24. Lea, B-R. (PI, 100%), Assess effectiveness and efficiency of an in-memory HANA database utilizing column- and row-based design in supporting visual analytics, Eastman Chemical, \$1,000.	2015
25. Lea, B-R. (PI, 100%), Utilizing In-memory Computing in Teaching and Research: A Case Tutorial, \$1,500, Information Technology Missouri University of Science and Technology.	08/2014 - 12/2014
26. Lea, B-R. (PI, 100%), ConocoPhillips, \$2,000.	2014 – 2015
27. Lea, B-R. (PI, 100%), HANA: In-Memory Analytics, \$4,000 (\$3,000 from Avent, \$1,000 from Accenture).	2013 – 2014
28. Lea, B-R. (PI, 100%), Union Pacific Research Project, \$2,000 per year, Union Pacific.	2012 - 2015
29. Lea, B-R. (PI, 100%), ERP Simulation Competition, \$750 (Union Pacific, Junction Solutions).	2014
30. Lea, B-R. (PI, 100%), ERP Simulation Competition, \$1,200, Accenture, Junction Solutions, Avnet.	2013
31. Lea, B-R. (PI, 100%), International Biotechnology Enhanced by Cloud Computing Workshop, \$15,000, Taiwan National Science Council.	2011 – 2012
32. Lea, B-R. (PI, 100%), Employee Portal Monitoring and Usability Analysis, \$2,000, Peabody Energy.	2012
33. Lea, B-R. (PI, 100%), Enterprise Portal and Performance Dashboard Application, \$2,000, Peabody Energy.	2011
34. Lea, B-R. (PI, 100%), Role-Based Enterprise Portal, \$2,000, Peabody Energy.	2010
35. Lea, B-R. (PI, 100%), Strategic Performance Dashboard for Career Placement Service in a Higher Education Environment, \$4,500, Career Opportunity Center, Missouri University of Science and Technology.	2010
36. Lea, B-R. (PI, 50%), Yu, W-B (30%); and Qi, L (20%). UMR and Monsanto Partnership: Phase I Feasibility Investigation, Monsanto Company, \$14,272 (shared credit: \$7,136).	2007 - 2008
37. Lea, B-R. (PI, 50%) and Yu, W. B. (Co-PI, 50%), A Text Mining Enhanced Stakeholder Monitor in an Intelligent Enterprise Decision Simulator, \$8,100, British Telecom Research Fellowship.	06/2005
38. Lea, B-R. (PI, 100%), A Theory of Constraints-based Supply-Chain Performance Management Framework, \$25,000, Missouri Research Board.	2004 - 2005
39. DeKock, A. (30%, PI), Lea, B-R. (Co-PI, 30%), Yu, W-B. (Co-PI, 30%), et. al., NSF 03-521 Partnerships for Innovations, National Science Foundation, renewed, Total funded: \$90,000 (shared credit: \$27,000).	09/2004 -08/2006

40. DeKock, A. (30%, PI), Lea, B-R. (Co-PI, 30%), Yu, W-B. (Co-PI, 30%), NSF 03-521 Partnerships for Innovations, National Science Foundation, Total funded: \$90,000 (shared credit: \$27,000) 09/2003 – 08/2004

Software Grants Awarded

1. Lea, B-R. (PI, 100%), SAP Software grants: SAP HANA 2.0, S/4HANA, BW4/HANA, BusinessObjects BI Platform Server 2.0, Sybase, SAP CRM, SAP SRM, SAP. 2018 – present
2. Lea, B-R. (PI, 100%), SAP Software grants: SAP BusinessObjects Software: BI Platform Server 1.0, Crystal Xcelsius, Metadata Bridges, Reporting, Enterprise Information, Query and Analysis, SAP. 2010 – present
3. Lea, B-R. (PI, 100%), SAP Software grant: SAP Business Suite Software, IDES, SAP Database Interface, SAP. 2008 – present
4. Lea, B-R. (PI, 100%), Microsoft Instructional Lab Grant, Computer Science, \$61,599. 1998 – 1999
5. Software Grant for classroom teaching from Sausage Software. 1995 - 1999

Additional Grants Submission History (Amount submitted: **\$4,105,983; Shared Credit: **\$1,235,969**)**

1. Lea, B-R, (PI, 100%), Online Delivery of Computer Intensive Classes, \$5,000, Center for Advancing Faculty Excellence (CAFÉ), Missouri University of Science and Technology. 07/2021
2. Lea, B-R (PI: 50%), Mirchandani, Dinesh (CO-PI, 30%), Goggins, Sean (CO-PI, 20%), UM Inter-campus Course Sharing: ERP, University of Missouri, \$81,993. 04/2017
3. Lea, B-R (PI:60%), Mirchandani, Dinesh (Co-PI: 25%), Summer, M. (Co-PI: 15%), Cognitive Aptitude, Personality Traits, and Demographic Background as Performance Predictors in Learning a Large-Scale Complex Enterprise System, University of Missouri Research Board, \$29,937. 10/2016
4. McMillin, B (20%), Long, S., Sedighsavestani, S. (20%), Lea, B-R (20%), Weidner, N.(20%), Smart Living: Governing the Commons through a Cyber-Physical System, \$2,153,300, National Academic KECK Future Initiative. 05/2015
5. Lea, B-R (PI, 50%), Yu, W-B., Improve Commercialization Success through Intelligent Cost Modeling and Simulation, \$82,304, Bureau of Energy at Ministry of Economic Affairs, Taiwan. 07/2009
6. Lea, B-R (PI, 100%), Digital Analysis Computing Software Solutions for the Supply Chain, U.S. Department of Defense, \$20,604, Small Business Innovation Research (SBIR) Program. 06/2009
7. Lea, B-R, (PI, 60%), Yu, W-B. (40%), UMR, and Monsanto Partnership: Phase II Implementation Planning, Monsanto Company, \$313,093, (shared credit: \$187,856). 2008
8. Lea, B-R, (PI, 100%), The Boeing Welliver Faculty Fellowship, \$12,000, submitted on January 16, 2008. 01/2008
9. Lea, B-R, (Co-PI, 50%) and Liu, F., Testing SAP ERP Applications Using Automated Testing Tools, Tellabs Corporation, \$104,030 (shared credit: \$52, 015). 2007
10. Lea, B-R (CO-PI, 30%), Yu, W.B. (CO-PI); Oboh-Ikuenobe, F., (PI), Taxon Recommendation System for Palynological Data, \$36,548 (shared credit: \$10,964.4), Missouri Research Board. 2006
11. Lea, B-R (CO-PI, 50%), Ankner, W. (PI), Johnson, T. (CO-PI), Study on Transportation Funding Alternatives, The NATSO Foundation, \$125,406 (shared credit: \$62,653). 04/2006
12. Lea, B-R, (Co-PI, 30%), Geoinformatics: Paleontological Data Integration Enhanced by a Text Mining, National Science Foundation, \$312,286, (shared credit: \$93,686). 02/2006
13. Lea, B-R, (PI, 40%), Intelligent Enterprise Decision Simulator, \$272,407 (shared credit: \$108,962.8), British Telecom. 04/2005

14	Lea, B-R (PI, 45%), Yu, W. B., Bham, G., Text Mining and Data Mining Enhanced Intelligent Project Evaluator: An Evaluation of the Economic and Non-economic Benefits of Transportation Research in Missouri, \$99,652 (shared credit: \$44,843), Missouri Transportation Institute.	12/2005
15	Lea, B-R, (Co-PI, 30%), Text Mining: A New Approach for Fossils and Geoinformatics, National Science Foundation, \$352,441, (shared credit: \$105,732).	07/2004
16	Lea, B-R, (Co-PI, 10%), What Small And Medium Enterprises Want, Need, And Are Willing To Buy: Technology Needs Assessment of Midwestern SMEs, \$145,089, SAP Small and Medium Enterprises RFP.	03/2004
17	Lea, B-R, (Co-PI, 30%), Development of an On-line Assessment Instrument for Small and Medium Size Enterprises, \$102,337 (shared credit: \$30,701), SAP Small and Medium Enterprises RFP.	03/2004
18	Lea, B-R, (PI, 100%), Create Inventory Visualization Model with Simulation Data, \$21,000 (shared credit: \$21,000), IC Logistics/NSF.	12/2004

Publications

Refereed Journal Articles Currently Under Review or Revised/Resubmitted Status

1.	Min, H., Lea, B-R. (2022, revised & resubmitted). Motivators and Inhibitors for Business Analytics Adoption from the Cross-Cultural Perspectives: A Data Mining Approach, Information Systems Frontiers. [ABDC-A; ABS 3; Scopus; ISI]	2022, revised & resubmitted
2.	Lea, B-R., Sumner, M., Mirchandani, D. (2022, revised resubmitted) The Relationship of Computer Aptitude, Excitements, and Intellect Imagination Personality Traits on Learning Success of Complex Enterprise Resource Planning Systems, International Journal of Business and Systems Research [ABS 1; Scopus; ISI]	2022 revised & resubmitted

Refereed Journals Articles (N=26 (24 at Missouri S&T), Student researchers marked with an *)

1.	<u>Lea, B-R., Yu, W.</u> (2022, forthcoming). Utilizing Interactive Dashboard to Improve University Career Service and Satisfaction: A Case Study. International Journal of Business and Systems Research [ABS 1; Scopus; ISI]	Forthcoming
2.	<u>Lea, B-R., Min, H.</u> (2022, forthcoming). The Impact of Forecasting Error, Stream Level, and Control Mechanism of the Supply Chain Enhanced by Theory of Constraints on the Order Fill Rate and the Inventory Level, International Journal of Logistics Systems and Management. [ABS 1; Scopus]	Forthcoming
3.	Maxwell, J.*, Ayawah, P.*, Shaffer, L.*, Yu, W., <u>Lea, B-R.</u> , (2022), the Impact of Environmental news Stories on Twitter Content, Issues in Information Systems, 23(4), 62-69. [Scopus]	2022
4.	<u>Lea, B-R., Yu, W., Min., H.</u> (2022). Influential Factors in Decision Support Capabilities of a Mobile-Enable Interactive Analytical Dashboard, International Journal of Business and Systems Research, 16(4), 423-447. [ABS 1; Scopus; ISI]	2022
5.	Min, H., <u>Lea, B-R.</u> (2021). Developing the profiles of business analytics adopters and non-adopters using data mining tools, Journal of Computer Information Systems, September, 1-13. (DOI: 10.1080/08874417.2021.1967815). [ABDC-A; ABS 2; Scopus; ISI]	2021
6.	<u>Lea, B-R., Eng. L.</u> (2021), Exploring the Impact of Multi-class Teams in an Immersive Learning Environment on Student Learning Experience and Engagement, International Journal of Business and Systems Research, 15(1), 68-89. [ABDC-C; ABS 1; Scopus; ISI]	2021
7.	<u>Lea, B-R., Mirchandani, D., Sumner, M, Yu, K.*</u> (2020) Personality Types in Learning an Enterprise Resource Planning (ERP) System, Journal of Computer Information Systems, November, 1-13. [ABDC-A; ABS 2; Scopus; ISI]	2020

8. Lea, B-R., Yu, K.* , Engelke, A., Koob, C.* (2019), Big Five Personality Traits in Learning Complex Information Systems: A Case Study, *Issues in Information Systems*, 20 (4), 107-115. 2019
9. Lea, B-R., Yu, W., Min, H. (2018), Computer Knowledge on the Decision Support Capabilities of Interactive Analytical Dashboard, *Issues in Information Systems*, 19 (4), 140-149. 2018
10. Lea, B-R., Yu, W., Min, H. (2018), Data Visualization for Assessing the Biofuel Commercialization Potential within the Business Intelligence Framework, *Journal of Cleaner Production*, 188, 921-941. [ABDC-A; ABS 2; Scopus; ISI] 2018
11. Lea, B-R., Yu, W., Min, H. (2017), Data visualization: a case study in Renewable energy, *Issues in Information Systems*, 18(3), 195-205. 2017
12. Eng., L., Lea, B-R., Cai, R.* (2014), Use of Clickers for Assurance of Learning in Introductory Financial Accounting, *Advances in Accounting Education*, 14, 269-291. [ABDC-C; ABS 1; Scopus; ISI] 2014
13. Lea, B., Nah, F. (2013), Usability of Performance Dashboards, Usefulness of Operational and Tactical Support, and Quality of Strategic Support: A Research Framework, in *Lecture Notes in Computer Science 8017*, Yamamoto S. (editor), Springer-Verlag, 116-123. [Scopus] 2013
14. Yu, W. B., Min, H., Lea, B-R. (2012), A Multiple-Agent Based System For Forecasting The Ice Cream Demand Using Climactic Information. *Advances In Intelligent Systems And Computing*, Edited By Jorge Cassillas, Francisco J. Martinez-Lopez, And Juan M. Corchado, Berlin, Heidelberg: Springer-Verlag, 171 (6), 227-238. [Scopus] 2012
15. Lea, B-R. (2011), Measuring Performance of Social Network-Based Virtual Community: A Balanced Scorecard Approach, *International Journal of Business and Systems Research*, 5(3), 281-304. [ABDC-C; ABS 1; Scopus; ISI] 2011
16. Lea, B-R., Brown, C.* (2009), Cooperative Lecture Style and Student Learning in an Introductory Computer Programming Course, *International Journal of Innovation and Learning*, 6(2), 192-216. [ABDC-C, Scopus, ISI] 2009
17. Lea, B-R. (2008), Clickers Adoption in a Small Class Setting, 39(4), 7-11, *Decision Line* [Scopus]. 2008
18. Lea, B-R., Yu, W.B., Kannan, P.* (2007), Social Network Enhanced Digital City Management And Innovation Success: A Prototype Design. Keynote paper, 16(3), 1-22, *Journal of International Technology and Information Management*. [ABDC-C] 2007
19. Lea, B-R. (2007), Management Accounting Systems in an ERP Integrated Environment. *Industrial Management & Data Systems*, 107(8), 1188-1211. [ABDC-A; ABS 2; Scopus; ISI] 2007
20. Yu, W.B., Lea, B-R., Guruswamy, B.* (2007), A Theoretic Framework Integrating Text Mining and Energy Demand Forecasting, *International Journal of Electronic Business Management*, Special issue on E-business applications in the Energy Sector, 5(1), 211-224. 2007
21. Lea, B-R., Yu, W.B., Maguluru, N.* , Nicholas, M. (2006), Enhancing Business Networks Using Social Network-Based Virtual Communities, *Industrial Management and Data Systems*, 106(1), 121 – 138. [ABDC-A; ABS 2; Scopus; ISI] 2006
22. Lea, B-R. (2005), Leveraging Information Technology to Gain Competitive Advantage: a Case Study on General Electric Consumer Products, *Journal of International Technology and Information Management*, 14(1), 25-40. [ABDC-C] 2005
23. Lea, B-R., Gupta, M., Yu, W.B. (2005), A Prototype Multi-Agent ERP Systems - An Integrated Architecture and a Conceptual Framework, *Technovation*, 25(4), 433-441. [ABDC-A; ABS 3; Scopus; ISI] 2005
24. Lea, B-R., Min, H. (2003), The Impact of Management Accounting Systems on Just-In-Time and Theory of Constraints-based Manufacturing, *International Journal of Production Research*, 41(13), 2879-2910. [ABDC-A; ABS 3; Scopus; ISI] 2003
25. Lea, B-R., Frendendall, L. (2002), The Impact of Management Accounting, Product Structure, Product Mix Algorithm, and Planning Horizon on Manufacturing Performance, *International Journal of Production Economics*, 79(3), 279-299. [ABDC-A; ABS 3; Scopus; ISI] 2002

26. Fredendall, L., Lea, B-R. (1997), Improving the Order Mix Heuristic in the Theory of Constraints, 1997
International Journal of Production Research, 35(6), 1535-1544. [ABDC-A; ABS 3; Scopus; ISI]

Manuscripts in Preparation

1. Min, H., Lea, B-R., Influential Factors in Air Travel Choice: A Data Mining Approach.
2. Lea, B-R., Sumner, M., Mirchandani, D. The Role of Personality and Excitement on Student Preference, Level of Engagement, and Learning Outcome between Instructor-led In-Person computer Exercises and the Use of Recorded Computer Tutorials.

Refereed Conference Proceedings (N=37 (32 at Missouri S&T), Student researchers marked with an *)

1. Lea, B-R., Mirchandani, D., Sumner, M. (2020), Predicting Success in Using ERP System, ACM SIGMIS Computers and People Research, Nuremberg, Germany, June 19-21, 162-163, 2020 (Virtual Conference). 2020
2. Lea, B-R., Yu, K.*, Mirchandani, D., Sumner, M., Nhu, T.* (2019), Personality Types as Performance Predictors in Learning a Complex Enterprise Resource Planning System, Decision Sciences 2019 Annual Conference, New Orleans, LA, November 23-25. 2019
3. Lea, B-R., Yu, W. (2018), Performance Dashboard in Higher Education: A University Career Service Case Study, pp. 179-1 – 179-21, Decision Sciences 2018 Annual Conference, Chicago, IL, November 17-19. 2018
4. Lea, B-R., Eng., L. (2018), Student Learning Experience and Engagement Utilizing Multi-Class Interdisciplinary Teams in an Immersive Learning Environment, 178-1 - 178-27, Decision Sciences Annual Conference, Chicago, IL, November 17-19. 2018
5. Xiao, H.*, Li, C.*, Yu, Y., Yu., W., Lea, B-R. (2018), Text Mining on Consumer Reviews of Internet of Things (IoT) Applications, 803-1 – 803-6, Decision Sciences Annual Conference, Chicago, IL, November 17-19. 2018
6. Lea, B-R., Yu, W. (2017), Effectiveness and Efficiency of Enterprise Analytical Dashboard on Decision Support: A Case Study, pp. 1291893-1 – 1291893-11, Decision Sciences Annual Conference, Washington, D.C., November 18-20. 2017
7. Lea, B-R., Mirchandani, D., Sumner, M. (2017), Cognitive Aptitude, Personality Traits, and Demographic Background as Performance Predictors in Learning a Complex Enterprise System, 1292190-1 – 1292190-9, Decision Sciences Annual Conference, Washington, D.C., November 18-20. 2017
8. Yu, W., Lea, B-R., Mohini, A. *, Soni, S. *₂ (2017), Sentiment Analysis of Public Opinions: A Case Study on Tesla's Autonomous Electric Cars, Decision Sciences Annual Conference, 1292171-1 – 1292171-9, Washington, D.C., November 18-20. 2017
9. Lea, B-R., Yu, W., Claybaugh, C, Uetrecht, D. (2016), Utilizing Genotype and Phenotype Data in Visual Discovery to Support Evidence-Based Practice in Descriptive, Predictive, and Prescriptive, Ozark Biomedical Initiative Collaborative Research Symposium, Rolla, MO, USA. February 24. 2016
10. Lea, B-R., Yu, W., Claybaugh, C., Long, M. (2016), Impact of Device Type, Demographics, and Computer Knowledge on Effectiveness and Efficiency of Enterprise Visual Analytical Applications, Proceedings of the Nineteenth SAP Academic Conference Americas, San Diego, CA, USA, February 16-18. 2016
11. Jin, L, Lea, B-R., Deng, X. (2014), An Explorative Study of Mobility Adoption in the Enterprise, 20th Americas Conference on Information Systems, Savannah, Georgia, USA, August 7 -10. 2014
12. Lea, B-R., Nah, F. (2013), Usability of Performance Dashboards, Usefulness of Operational and Tactical Support, and Quality of Strategic Support: A Research Framework, 15th International Conference on Human-Computer Interaction, Las Vegas, Nevada, USA, July 21 – 26. 2013

13. Yu, W-B, Min, H., Lea, B-R. (2012), A Multiple-Agent Based System for Forecasting the Ice Cream Demand Using Climatic Information, 2012 International Symposium on Management Intelligent Systems, Salamanca, Spain, July 11-13. 2012
14. Lea, B-R., Hall, D.* (2012), Leveraging Information Technology for Balanced Scorecard Prototyping and Implementation: A State Department of Transportation Case, 2012 Annual Conference of Transportation Research Board, Washington, DC, January 22-26. 2012
15. Lea, B-R., Sequeira, D.* (2011), Impact of Management Role, Gender, and Level of Project Involvement on Corporate Governance in a Role-Based Enterprise Portal Environment, 4761-5766, 2011 Decision Sciences Annual Conference, Boston, MA, November 19-22. 2011
16. San-Adam, T. *, Yu, W., Lea, B-R. (2011), Applying Text Timing in Corporate Spin-off Disclosure Statement Analysis: Understanding the Main Concerns and Recommendation of Appropriate Term Weights. 4441-4446, 2011 Decision Sciences Annual Conference, Boston, MA, November 19-22. 2011
17. Sekar, A. *, Yu, W.B., Lin, Y. , Lea, B-R. (2011), Applying Text Mining in Corporate Spin-Off Disclosure Statement Analysis: Understanding the Main Concerns and Recommendation of Appropriate Term Weights, 4751-4756, 2011 Decision Sciences Annual Conference, Boston, MA, November 19-22. 2011
18. Lea, B-R. (2010), Teaching Financial Accounting in an ERP System Environment, Conference on Teaching and Learning in Accounting (CTLA), AAA Annual Meeting, San Francisco, California, July 31-August 4. 2010
19. Lea, B-R. (2010), Comparison of Dashboard-Based And Balanced Scorecard-Based Corporate Performance Management System in an Enterprise Resource Planning Environment, 2010 DSI Annual Meeting, San Diego, CA, November 20 - 23. 2010
20. Lea, B-R., Hall, D.* (2008), A Balanced Scorecard Prototype in a State Department of Transportation, 39th Annual Conference of Decision Sciences Institute, 5231-5236, Baltimore, Maryland, November 22-25. 2008
21. Lea, B-R., Yu, W. B., Oboh-Ikuenobe, F. (2007), Application of Text Mining and Data Mining in Paleontology Taxon Recommendation and Search System, 5091-2096, Proceedings of 38th Annual Conference of Decision Sciences Institute, Phoenix, Arizona, November 17-20. 2007
22. Lea, B-R., Maguluru, N*., and Kannan, P. * (2006), Application of Balanced Scorecard to a Social Network-Based Virtual Community, 27271-27276, Proceeding of the 37th Annual Conference of Decision Sciences Institute, San Antonio, Texas November 18-21. 2006
23. Lea, B-R., Brown, C.* (2006), Impact of Cooperative Lecture Style on Learning Introductory Computer Programming, 30231-30236, Proceeding of the 37th Annual Conference of Decision Sciences Institute, San Antonio, Texas November 18-21. 2006
24. Yu, W. B., Lea, B-R., Guruswamy, B.* (2006), Sentiment Analysis: Retrieving Positive or Negative Polarities in News Articles Using Information Agents, Proceeding of the 37th Annual Conference of Decision Sciences Institute, San Antonio, Texas November 18-21. 2006
25. Yu, W. B., Lea, B-R., Oboh-Ikuenobe, F. (2006), Application of Text Mining in Developing Standardized Descriptions of Taxa in Paleontology: A Framework, 37, Proceedings of the Geoinformatics 2006 Conference, Reston, VA, May 10 -12. 2006
26. Lea, B-R., Yu, W.B., Kannan, P.* (2005), A Social Network Based Information City for Innovation Success, Proceeding of the 36th Annual Conference of Decision Sciences Institute, San Francisco, CA, 14031-14036, November19-22. 2005
27. Lea, B-R., Kumar, S.* (2005), The Impact Forecast Error on the performance of the supply chain, Proceeding of the 36th Annual Conference of Decision Sciences Institute, 16341-16346, San Francisco, CA, November19-22. 2005

28. Lea, B-R., Maguluru, N.*₂, Nichols, M. (2005), Social Networks in the Technology Era: Roles of Digital Cities in Enhancing Business Networks, Proceeding of the 2005 Americas Conference on Information Systems, 3501-3513, 2005, Omaha, Nebraska, August 11-14. 2005
29. Deokule, S.*₁, Yu, W.B., and Lea, B-R. (2005), Conceptual Framework of Using Collaborative Filtering Algorithms to Enhance Keyword Search, Proceeding of the 10th Annual Meeting of Asia-Pacific Decision Sciences Institute, Taipei, Taiwan, June 28 - July 2. 2005
30. Lea, B-R., Yu, W.B., Ma, Y.* (2005), A Review of Municipally Owned Information Cities between the United States and Europe, Proceeding of International Association of Computer Information Systems Pacific Proceeding of the 2005 Conference, 530-537, Taipei, Taiwan, May 19-21. 2005
31. Lea, B-R. (2004), Leverage Information Technology To Gain Competitive Advantage: A Case Study On General Electric Consumer Products, Proceeding of the 35th Annual Conference of Decision Sciences Institute, 6521-6526, Boston, MA, November 20-23. 2004
32. Lea, B-R. (2003), The Use of Information Technology to Improve Operational Efficiency in A Public School System: A Case Study, submission #334, 1-6, Proceeding of the 34th Annual Conference of Decision Sciences Institute, Washington, DC, November 22-25. 2003
33. Lea, B-R., Yu, W.B. (2002), A Multiple-Agent Based ERP Architecture, Proceeding of the 33rd Annual Conference of Decision Sciences Institute, 735-740, San Diego, California, November 23-26. 2002
34. Lea, B-R., Yu, W.B. (2002), A Multiple-Agent Enterprise Resource Planning Architecture, Proceeding of the 13th Annual Conference of Production and Operations Management, San Francisco, LA, April 5-8. 2002
35. Lea, B-R. (2000), The Impact of Management Accounting Information Systems on Manufacturing Performance in JIT, TOC, and MRP, Proceeding of the 31st Annual Conference of Decision Sciences Institute, 975-977, Orlando, FL, November. 2000
36. Lea, B-R., Fredendall, L. (1999), The Performance of ABC Costing, Throughput Accounting, and Traditional Costing in a TOC Environment, Proceeding of the 30th Annual Meeting of the Decision Science Institute Proceeding, 35-37. 1999
37. Lea, B-R., Fredendall, L. (1994), Theory of Constraints: A Heuristic to Solve the Order Mix Problem, Proceedings of Southeast Region of the Decision Science Institute. 1994

Refereed Presentations (N = 28 (22 at Missouri S&T); Student researchers marked with an *)

1. Maxwell, J.*₁, Ayawah, P.*₁, Shaffer, L.*₁, Yu, W., Lea, B-R. (2022), the Impact of Environmental news Stories on Twitter Content, 62nd Annual Conference of International Association for Computer Information Systems (IACIS), Las Vegas, Nevada, October 5 – 8. 2022
2. Bliemel, M., Lea, B-R., Fredendall, L., Khalil, E. (2019), A Research and Teaching Platform for Attack and Defense in ERP systems, International Conference on Information Systems (ICIS) 2019 Conference, Munich, Germany, December 15-18. 2019
3. Lea, B-R., Yu, K.*₁, Engelke, A., Koob, C.* (2019), Big Five Personality Traits in Learning Complex Information Systems: A Case Study, 59th Annual Conference of International Association for Computer Information Systems (IACIS), Clearwater Beach, Florida, October 2 – 5. 2019
4. Min, H., Lea, B-R., (2019), Developing the Profiles of Business Analytics Adopters using Data Mining Tools, Decision Sciences Annual Conference, New Orleans, LA, November 23-25, 2019. 2019
5. Freeze, R., Bristow, S., Lea, B-R. (2019) S/4HANA: Introduction, Configuration, and Fiori, SAP Next-Gen Conference, Milwaukee, WI, July 14-15. 2019
6. Lea, B-R., Chiu, Y. (2018), Explore Relations between Personality and Academic Performance in an Introductory Enterprise Resource Planning Course, Decision Sciences Annual Conference, Chicago, IL, November 17-19. <https://dsi-annualmeeting2018.exordo.com/programme/presentation/1025> 2018

7. Lea, B-R., Min, H. (2018), The Impact of Forecasting Error, Stream Level, and Control Mechanism on a Theory of Constraints based Supply Chain, Decision Sciences Annual Conference, Chicago, IL, November 17-19. <https://dsi-annualmeeting2018.exordo.com/programme/presentation/292> 2018
8. Lea, B-R., Yu, W., Min, H. (2018), Computer Knowledge on the Decision Support Capabilities of Interactive Analytical Dashboard, 58th Annual 2017 International Association for Computer Information Systems (IACIS) Conference, Clearwater Beach, Florida, October 3-6. 2018
9. Lea, B-R., Yu, W., Min, H. (2017), Data Visualization: A Case Study in Renewable Energy, 57th Annual 2017 International Association for Computer Information Systems (IACIS) Conference, Philadelphia, PA, October 4-7. 2017
10. Lea, B-R., Eng., L. (2017), Student Perceptions of Cross-Functional Interdisciplinary Teams For Projects, 2017 Teaching and Learning Technology Conference, Rolla, MO, March 16-17. 2017
11. Lea, B-R., Smith, G. (2015), Leveraging HANA in Autism Spectrum Disorder (ASD) research, 18th SAP Academic Conference, Tempe, AZ, April 9-10. 2015
12. Lea, B-R., Campbell, B (2012), Monitoring Enterprise Portal Usage for Continuous Design Improvement, 2012 ASUG Annual Conference, Orlando, FL, May 14 – 16. 2012
13. Lea, B-R., Sequeira, D.*, Socha, J., Bartlett, K. (2012), Improve Usability and Effectiveness of Employee Portal through an SAP KM Dashboard Monitoring System: Peabody Energy’s Journey, 2012 ASUG Annual Conference, Orlando, FL, May 14 – 16. 2012
14. Lea, B-R. (2010), Visualize Impact of Accounting Transactions through Enterprise Resource Planning (ERP) System Integration, AAA Annual Meeting, San Francisco, California, July 31-August 4. 2010
15. Lea, B-R., Yu, W.B., Gallaway, J.* (2009), Investigation of Factors on Effectiveness of Clicker Classroom Adoption, 40th Annual Conference of Decision Sciences Institute, New Orleans, Louisiana, November 14-17. 2009
16. Lea, B-R., Jordan, M., Hsieh, C., Czech, H., Swisher, J. (2008), Bring Managerial Relevance to Business Curriculum through ERP Education, 39th Annual Conference of Decision Sciences Institute, 5231-5236, Baltimore, Maryland, November 22-25. 2008
17. Lea, B-R. (2007), Student Learning Outcome and personal Response System (Clickers) in a Small Class Setting, 38th Annual Conference of Decision Sciences Institute, Phoenix, Arizona, November 17-20. 2007
18. Lea, B-R., Yu, W.B. (2007), Enhancing Supply Chain Management with A Text Mining Enhanced Stakeholder Monitor, 18th Annual POMS Conference, Dallas, Texas, May 4-7. 2007
19. Lea, B-R. (2006), Improve Supply Chain Performance Using TOC based TDD and IDD Measures, 37th Annual Conference of Decision Sciences Institute, San Antonio, Texas November 18-21. 2006
20. Lea, B-R. (2006), Theory of Constraint Enhanced Supply Chain Performance Measurement: A Tutorial, 23rd Annual Conference of MCASTA, St. Louis, Missouri, September 16. 2006
21. Lea, B-R. (2004), Information City: A Review from Business Perspectives, 35th Annual Conference of Decision Sciences Institute, Boston, MA, November 20-23. 2004
22. Lea, B-R. (2003), The Impact of E-Commerce on Non-Profit Organizations: A Case Study, 14th Annual Conference of Production and Operations Management, Savannah, Georgia, April 4-7. 2003
23. Lea, B-R. (2002), The Role of Business Simulation in ERP and SCM Implementation, 33rd Annual Conference of Decision Sciences Institute, San Diego, California, November 23-26. 2002
24. Lea, B-R., Yu, W. B. (2001), ERP Implementation and Software Agents, International Conference on Electronic Business, Hong Kong, December 19-21. 2001

25. Lea, B-R., Yu, W.B. (2001), Using an Intelligent Agent as an ERP Implementation Alternative, 2001
INFORMS Annual Meeting, Miami Beach, FL, November 4-7.
26. Lea, B-R., Yu, W.B. (2000), ERP Simulation Design for JIT production with activity-based costing, 2000
Winter Simulation Conference, Orlando, FL, December 10-13.
27. Lea, B-R., Yu, W.B. (2000), The Impact of Safety Stock Selection and Management Accounting 2000
Alternatives on Manufacturing Performance, 11th Annual Conference of Production and Oper-
ations Management, San Antonio, TX, April 1-5.
28. Lea, B-R., Fredendall, L. (1999), The Impact of Accounting Systems, BOM Structures, and Prod- 1999
uct Mix Algorithms on Manufacturing Performance, 10th Annual Conference of Production and
Operations Management, Charleston, SC, April.

Refereed Book Chapter

1. Lea, B-R. (2011), Beyond ERP: Enhancing Decision Making through Performance Dashboards 2011
and Scorecards, in Readings on Enterprise Resource Planning, ERPSim Lab, HEC Montréal
(ISBN: 978-0-9866653-3-2).

Working Papers & White Paper

1. Madria, S., Lea, B-R., Sandel, D. (2014), Big Data Regional Hub for Smart Living Research, Educa- 2014
tion and Training, 2014, Big Data Regional Innovation Hubs, National Science Foundation, No-
vember 1.
2. Lea, B-R. (2002), Performance of Different Management Accounting Systems with Various Man- 2002
agement control Styles and Product Mix Algorithms in an ERP Environment, UPS Center for
Worldwide Supply Chain Management, Logistics and Distribution Institute, University of Louis-
ville, Working Paper Series No. 2002-7.
3. Lea, B-R. (2001), Hokey Min, The Impact of Management Accounting Systems on Just-In-Time 2001
and Theory of Constraints-based Manufacturing, UPS Center for Worldwide Supply Chain Man-
agement, Logistics and Distribution Institute, University of Louisville, Working Paper Series No.
2001-13.
4. Lea, B-R. (1990), The Automation of Accounting Systems, Accounting Research & Development 1990
Foundation of R.O.C.

Invited and Professional Presentations and Workshops (N=21 (19 at Missouri S&T); Student researchers marked with an *)

1. Lea, B-R. (2023), Panelist, ERPSim for Research Panel Discussion, SAP Next-Gen Chapter Con- 2023
ference, ERPSim Lab, Montreal, CA, Online Conference, September 26-27
2. Lea, B-R. (2019), Missouri University of Science & Tech - Enterprise Security and Digital Supply 2019
Chain Chapter, SAP Next-Gen Chapter Conference, Milwaukee, WI, July 14-15.
3. Lea, B-R. (2019), Visualize Demand Forecast using in-memory SAP S/4HANA ERP System, Bowl- 2019
ing Green State University, April 26.
4. Lea, B-R. (2019), Leveraging SAP UA Resources for Faculty Research & Teaching Improvement, 2019
April 26.
5. Lea, B-R. (2013), SAP HANA System and Tools in In-Memory Computation, ASUG, St. Louis, 2013
November 15.
6. Lea, B-R., Claybaugh, C. (2013), The Journey of Our Journey to SAP Mobility / Sybase Unwired 2013
Platform, ASUG, St. Louis, February 8.
7. Lea, B-R., Chopra, M.*; Han, Y.P.* (2010), Enterprise Performance Dashboard, ASUG, St. Louis 2010
Chapter, St. Louis, MO, March 5.

8. <u>Lea, B-R., Sequeira, D.*</u> (2010), Enterprise Portal and Corporate Governance, ASUG, St. Louis Chapter, St. Louis, MO, March 5.	2010
9. <u>Lea, B-R.</u> (2009), Going beyond transaction-based (point and click) exercises, SAP Curriculum Congress, Charlotte, NC., March 12 -13.	2009
10. <u>Lea, B-R.</u> (2008), Application of Theory of Constraints based Performance Measurement in Supply Chain Management, I-Shou University, Taiwan, June 11.	2008
11. <u>Lea, B-R.</u> (2008), How to integrate ERPsim in your curriculum: The Accounting Perspective, ERPsim User Group Conference 2008, Canadian Academic Accounting Association (CAAA), Montréal, Canada, April 17 – 18.	2008
12. <u>Lea, B-R.</u> (2008), Customer Relationship Management with Business Intelligence and Performance Management with Balanced Scorecard, ERPsim User Group Conference 2008, Canadian Academic Accounting Association (CAAA), Montréal, Canada, April 17 – 18.	2008
13. <u>Lea, B-R., Aggarwal, S.* , Jaidka A.*</u> (2008), Improving Decision Quality with BI Queries and Balanced Scorecard, SAP Curriculum Congress 2008, Atlanta, GA, February 27 – March 1.	2008
14. <u>Lea, B-R., Yu, W.B.</u> (2007), An Integrated, Cross-functional, Multidisciplinary MBA Curriculum Design, National United University, Taiwan, June 13.	2007
15. <u>Lea, B-R.</u> (2007), Student Learning Outcome and personal Response System (Clickers) in a Small Class Setting, University of Missouri-Rolla, April 27.	2007
16. <u>Lea, B-R., Fisher, C</u> (2007), Onsite MISSOURI S&T Sponsored Childcare Facility: A Need Assessment, Women Advancing Excellence, University of Missouri-Rolla, April 18.	2007
17. <u>Lea, B-R., Yu, W.B., Srinivisan, S.</u> (2006), SAP Faculty Training Workshop, Rolla, MO, June 5-10.	2006
18. <u>Lea, B-R.</u> (2004), A Theory of Constraints-based Supply-Chain Performance Management Framework, Research Seminar, School of Management & Information Systems, April.	2004
19. <u>Lea, B-R.</u> (2004), Prototype of Innovation Information Infrastructure, Kauffman Foundation, Kansas City, MO, February.	2004
20. <u>Lea, B-R., Yu, W.B.</u> (2002), ERP Implementation and Software Agents, Research Seminar, College of Business and Public Administration, University of Louisville, April.	2004
21. <u>Lea, B-R.</u> (2001), The Role of Business Simulation in ERP and SCM, Guest Speaker Seminar Series, UPS Center for Worldwide Supply Chain Management, Logistics and Distribution Institute, University of Louisville, March 18.	2001
22. <u>Lea, B-R.</u> (1998), A Simulation Study of Management Accounting Alternatives in Different Manufacturing Environments, Third Annual Graduate Student Research Forum at Clemson University.	1998

Theses and Research Advising

Graduate (Master's) Student Thesis Advisor (N= 14; view abstracts <http://erp.mst.edu/research/thesis>)

1. Brendan Coyne, Data Warehouse and Effective Business Analytics	2022 – present
2. Aditi Mishra, Assessment of an Employee Enterprise Portal Using Dashboard Monitoring System: A Case Study.	2011 – 2013
3. Ran Cai, Improve Student Learning Outcome through Personal Response System.	2010 – 2011
4. Rutuja Honnatti, Application of Performance Dashboards in Career Placement Service in Higher Education.	2010 – 2011

5. Madhu Chopra, Improve Commercialization Success of Algae-based Biofuel using Performance Dashboards and Scorecards. 2009 – 2010
6. Daniel Sequeira, Role-Based Enterprise Portal, and Corporate Governance: A Human Resource Portal Case Study. 2009 – 2010
7. Y. P. Han, Application of Performance Dashboard Technology in Transportation Infrastructure Management. 2009 – 2010
8. Lin Zhu, Impact of A Dashboard Based Corporate Performance Management system in an ERP Environment. 2007 – 2009
9. Matt Kutz, Toward Improving Performance Measurement in Public Sector Organizations: A Case Study. 2007– 2008
10. David Hall, A Balanced Scorecard Prototype in Support of Strategic Decision Making in a State Department of Transportation. 2006 – 2007
11. Prashanth Kannan, Designing, Managing and Evaluating A Social Network Based Information City For Innovation Success. 2004 – 2006
12. Nisha Maguluru, Social Networks: Role of Personalization and Interaction in Virtual Community for Enhancing Business. 2004 – 2005
13. Senthil Kumar, Measuring the Performance of Theory of Constraints based Supply Chain: A Simulation Study. 2004 – 2005
14. Chris Brown, Exploring Cooperative Learning in an Initial Computer Programming Course Using Visual Basic. 2004 – 2005

Graduate Student Theses Committees (N=9)

1. Aravindh Sekar, Information Science and Technology, Applying Text Timing in Corporate Spin-Off Disclosure Statement Analysis: Understanding The Main Concerns And Recommendation of Appropriate Term Weights. 2009 –2011
2. Nitsawan Katerattanakul, Information Science and Technology, A pilot study in an application of text mining to learning system evaluation. 2008 –2010
3. Janarthanan Eindhal Narasimhalu, Creation of XML View and Propagation of Updates to Relational Database. 2005- 2007
4. Yashesh Chhaya, Manufacturing Engineering, AutoID applications in Manufacturing. 2005 –2007
5. Dale Spence, Engineering Management, Impact of social structure on team performance and rate of network change. 2005 –2005
6. Balasubramanian Guruswamy, Information Science and Technology, A Framework of Text Mining Approach for Sentiment Analysis of News Articles Using Information Agents. 2004 –2005
7. Shreyas S. Deokule, Information Science and Technology, A Conceptual Framework of Using Collaborative Filtering Algorithms to Enhance Keyword Search. 2004 –2005
8. Aparna Jyothi Patsa, Computer Sciences, A Framework and Graphical User Interface (GUI) for Moving Object Simulation. 2004 - 2005
9. Toby Kurien Thomas, Computer Sciences, Prototype and performance analysis of a multi-layered database system using concept hierarchies. 2004 –2004

Undergraduate Research Proposals & Advisor (N= 30; total proposal funding amount: \$27,500, view abstracts at <http://erp.mst.edu/research/undergraduateresearch>)

1. Anne Simpson, OURE Research Project, \$500, Explore Relations between Personality and Academic Performance in an Introductory Enterprise Resource Planning Course. 2018 – 2019
2. Robin Ramsey, Bonnie Wilt, Martin Atwater, and Tran Tran. Cognitive Aptitude, Personality Traits, and Demographic Background as Performance Predictors in Learning a Complex Enterprise System. Funded by Eastman and ERP Alumni Assistantship 2017 – 2018

3. Samuel Holtmeier, OURE Fellow project, \$2,000, Dashboard Implementation and Hypothesis Testing of Influence of Prior ASD Knowledge on Teachers' Ability for Early ASD Diagnosis Using Performance Dashboards. 2016 – 2017
4. Scott Neustadt, OURE Fellow project, \$2,000, Improving Information Retention and Discovery of Genetic Autism Data: The Roles of Colors and High Dimensional Graphs. 2016 – 2017
5. Samuel Holtmeier, OURE project, \$1000, Influence of Prior ASD Knowledge on Teachers' Ability for Early Autism Spectrum Disorder (ASD) Diagnosis: Literature Review. 2015 – 2016
6. Scott Neustadt, OURE project, \$1000, Visualizing Genetic Influence on Autism Spectrum Disorder (ASD) Diagnosis: The Roles of Color and High Dimensional Graphs. 2015 – 2016
7. Sean Howell, OURE Fellow project, \$1,500, In-Memory Database Design and Modeling to Support Guided and Self-Service Visual Discovery in Big-Data Context: An Autism Spectrum Disorder (ASD) Application Case. 2014 - 2015
8. Montana Long, OURE Fellow project, \$1,500, Impact of Device, Demographics, and Skill-Set on Effectiveness and Efficiency of Enterprise Analytic Applications. 2014 - 2015
9. Thomas Cooper, OURE project, \$1000, Text Mining and Data Visualization in Big Data Context 2014 - 2015
10. Patrick Witbrod, OURE project, \$1,000, Improving Student Employee Tracking Through Performance Dashboards. 2014
11. Mayela Roa-Correa, OURE Project, \$1,000, SDOWP Pre-College Programs Impact on the Completion Rates of Minority Students. 2014 - 2015
12. Brian Locke, OURE project \$1,000, Realizing Competitive Advantages through Enterprise Mobile Strategies. 2013 – 2014
13. Ryan Roark and Iris Russell, OURE project, \$2,000, Impact of Industry Characteristics and Business Functions on Mobile Strategies. 2013 – 2014
14. Montana Long, OURE project, \$1,000, Success Factors Identification for Enterprise Mobile Strategies: A Framework. 2013 – 2014
15. Sean Howell, \$1,000, Usability Framework of Performance Dashboard: A Case Study. 2013 – 2014
16. John Volosin, OURE project, \$1,000, Measuring Impact of a Banking and Insurance Performance Dashboard. 2012 – 2013
17. Kyle Schrader, OURE project, \$1,000, Design, Implementation, and Evaluation of U.S. Census Bureau Performance Dashboard. 2012 – 2013
18. Ivy Miller, OURE project, \$1,000, Impact of Performance Dashboards on Strategic Alignment: An AACSB Accreditation Case. 2011 – 2012
19. Thomas Maerz, OURE project, \$1,000, The Role of Employee Portal in Corporate Strategic Governance: Portal Strategies and Implementation Tactics. 2011 – 2012
20. Pamela Ryder, OURE project, \$1,000, The Role of Employee Portal in Corporate Strategic Governance. 2011
21. Samantha Riechers, Yael Pelleg, Strategic Dashboard. 2011 – 2012
22. Jonathan Freeman, OURE project, \$1,000, Improve Strategic Alignment through Performance Dashboards: A Case Study. 2011
23. Joseph Pieczynski, OURE project, \$1,000, Virtual Communities In An Enterprise Portal And The Effect On Corporate Governance For Generation Y. 2010 – 2011
24. Ivy Miller, Jonathan Freeman, Joseph Pieczynski, Steven Pringle, Exploring Dashboard in AACSB Data Collection. 2010 – 2011
25. Joseph Pieczynski, Pamela Ryder, Carl Schmitz, Social Network and Enterprise Portal at Workplace. 2009
 - 3rd Place, Research Oral Presentation Competition, 2011 Undergraduate Research Conference.
 - Best Bibliography Award, 2011 Undergraduate Research Conference.

26. Jasmine Boyd, Social Network and its impact. 2009
27. Kristen Duvall, Feasibility of Opening a Coffee and Tea House in Rolla, Missouri, OURE project, \$1,000. 2006 – 2007
 - 3rd Place, Research Poster Competition, 2007 Undergraduate Research Conference
28. Lisa Liou, OURE project, \$1,000, Market Trend Analysis For Computer Integrated Software Design Industry. 2005 – 2006
29. Bonnie Yates, OURE project, \$1,000, An Overview of Security Issues in a Digital City. 2004 – 2005
 - 3rd Place, Research Poster Competition, 2005 Undergraduate Research Conference
30. Nguyet Nguyen, The Impact of RFID Technology on Supply Chain Management, Opportunity for Undergraduate Research OURE project, \$1,000, 2004 – 2005

University Teaching

Course Taught at Missouri S&T (A total of 10 different courses at S&T)

Average Effectiveness

		Course	Description	Average Effectiveness
2008 – Present (7 preps) Associate Professor		ERP 2110	Introduction to Enterprise Resource Planning	3.16 of 4.0
		ERP 4220	Introduction to Enterprise Decision Dashboard Prototyping	3.68 of 4.0
		ERP 5410	Essential of Business Intelligence	3.00 of 4.0
		ERP 5310	Supply Chain Management in ERP Environment	3.43 of 4.0
		ERP 5210	Dashboards, Scorecards, and Data Visualization	3.28 of 4.0
		ERP 6220	Data Modeling & Visualization Prototyping for Enterprise Decision Dashboards	3.60 of 4.0
		ERP 6120	ERP Configuration and Implementation (every spring from 2007)	3.48 of 4.0
2003-2008 (7 preps) Assistant Professor		BUS 420	MBA Accounting (one 18-hour integrated class spread into two semesters, team-taught with five other faculty members, SP08, F08)	2.63 of 4.0
		- BUS 426		
		BUS 220	Managerial Accounting	2.82 of 4.0
		BUS 120	Essentials of Accounting	2.27 of 4.0

Course Taught at The University of Louisville, Louisville, Kentucky (1999-2003)

1. Introduction to Computer Programming (C++) (CIS 110)
2. Web Programming (CIS 201)
3. Management of Information Systems (CIS 410)
4. WWW Development (CIS 381)
5. Rapid Application Development (Visual Basic) (CIS 390)

Course Taught at Anderson College, Anderson, South Carolina (1997-1999)

1. Microcomputer Application in Business (required core course for sophomore)
2. Computer Programming I (Visual Basic, HTML, JavaScript, VBScript) (required core course for sophomore)
3. Computer Programming II (Visual Basic) (required core course for sophomores)
4. Introduction to Information Processing Systems (required core course for freshman)
5. Management of Information Systems (required core course for senior)
6. Directed Study in Database Management (independent study)
7. Introduction to Database Management Systems (required core course for junior)
8. Advanced Business Application of Microcomputers (required core course for sophomore)
9. Information Systems Analysis, Design, and Implementation (elective for seniors)

Course Taught at Clemson University, Clemson, South Carolina (1998)

Information Systems Design and Implementation (MBA)

Service to Professional Societies

- Associate Editor
 - Journal of Computer Information Systems (JCIS) 2022 – present
(<https://www.tandfonline.com/journals/ucis20>)
 - International Journal of Business and Systems Research (IJBSR) 2018 – present
(<https://www.inderscience.com/IJBSR>).
- Editorial Board
 - Journal of Computer Information Systems 2021 – present
 - International Journal of Business and Systems Research (IJBSR) 2006 – present
(<http://www.inderscience.com/IJBSR>).
- Current Ad-hoc Journal and Conference Reviewer Services
 - Journal of Cleaner Production 2018 – present
 - Industrial Management and Data Systems 2008 – present
 - IACIS Annual Conference, International Association for Computer Information Systems 2005 – present
 - Americas Conference on Information Systems, Association of Information Systems 2005 – present
 - Decision Science Annual Conference, Decision Sciences 2002 – present
- Trustee Board, Midwest Chinese American Science and Technology Association 2010 – present
- Other Editorial Boards and Ad-hoc Reviewer Services
 - Journal of International Technology and Information Management 2004 – 2019
 - Conference Chair, 2011 MCASTA Annual Symposium 2011
 - Feature Editor, In the Classroom, Decision Lines 2008 – 2011
 - IEEE Transactions on Automation Science and Engineering 2006 – 2013
 - Editorial Review Board, Production and Operations Management Journal 2007 – 2014
 - Editorial Review Board, International Journal of Electronic Finance 2005 – 2013
 - Associate Editor for Production Operations Management Society (POMS) Online Journal website 2003 – 2006
 - Standing committee on Coordination of Production and Operations Management Journal Activities 2007 – 2012
 - International Journal of Production Research 2002 – 2011
 - International Journal of Production Economics 2003 – 2012
 - Reviewers and Section chairs of Conference of Production and Operations Management 2000 – 2002
 - The Engineering Economist Journal 2002
- Board member, Loop Media Hub Board, The Loop Media Hub, St. Louis, MO 2013 – 2017
- President, Midwest Chinese American Science, and Technology Association 2011 – 2013
- Business Network Committee, Crane House, Louisville, KY 40203 2000 – 2001
- Web Design for Breakthrough Laboratories, Louisville, KY 2000 – 2001

University and Academic Service

UM System level and & Missouri S&T Campus Level

- Vice Chancellor for Research and Innovation Search Committee 2022 - present
- Inclusion, Diversity, Excellence & Attainment (IDEA) Committee, Missouri S&T Board of Trustees (Faculty Representative) 2021 - present
 - Identify, collect, analyze, and visualize data relevant to inclusion and diversity to assist the IDEA Committee in crafting action plans to address the challenges.
- Infrastructure Committee, Missouri S&T Board of Trustees (Faculty Representative) 2020 - present
 - Work with the Committee to provide inputs and assess/evaluate plans to address issues related to the development and implementation of the Campus Master Plan.
- Faculty Recruitment and Retention Council (FRRC) (formerly Female & Underrepresented Minority Faculty Recruiting & Retention Task Force (FUMFRR)) (member) 2008 - 2022
 - **Child Development Center:** Led, coordinated, and facilitated the **16-years journey** in the establishment of a Missouri S&T-sponsored child development center for students, staff, and faculty from 2006 to its successful deployment in January 2022.
 - **COACHE Surveys** (Harvard University's Collaborative on Academic Careers in Higher Education): Performed data analysis on the 2016 and 2020 COACHE surveys and their follow-up studies to drive insights for the Committee to disseminate results and develop improvement strategies.
 - Perform data analysis and conduct studies for the Committee on the development of the **Family Leave Policy, Dual Career Partner Assistance Program**, strategies of recruiting and retaining female and under-represented minority faculty, feasibility assessment of a Rolla-St. Louis faculty shuttle service, and the various initiatives related to faculty diversity and improvement of campus climate.
- Budgetary Affairs Committee (member) 2018 – present
 - Perform data analytics and visualization for the committee to derive insights on budget allocation, faculty and staff salary, research expenditure, and budget-related issues concerning the S&T constituents.
- Administrative Review Committee (member) 2017 – present
 - Coordinate, test, validate, and deploy administrative surveys using the Qualtrics survey platform to ensure anonymity and voting integrity.
 - Perform data analytics on survey results and compile reports for the Committee to disseminate results.
- OURE Coordinator for the Department of Business & Information Technology (member). 2004 – present
- Faculty Senate 2021 – present, 2005-2014
- Space Planning Committee (member) 2018 – present
- UM President's Award for University Citizenship (Leadership and Service) Selection Committee (member) 2016 – 2018
- Rules and Regulations Revision Committee (member), Graduate Faculty and Graduate Council 2019 – 2021
- Missouri S&T Core Marketing Network Task Force (member) 2013 – 2019
- Outstanding Teaching Award Committee (member) 2017 – 2019
- Faculty Teaching Award Committee (member) 2017 – 2020

- Facility Planning Committee (member) 2017 – 2019
- Smart Living Faculty Search Committee (member) 2014 – 2016
- Missouri S&T Big-Data Curriculum Committee (member) 2013 – 2014
- Missouri S&T Provost & Executive Vice Chancellor Search Committee (member) 2013 – 2014
- MSDN Academic Alliance (Administrator and coordinator for Departments of Business Administration, Information Science & Technology, Computer Sciences, and Electrical Computer Engineering). 2003 – 2013
- Missouri S&T Best-In-Class Strategic Area Committee (member) 2013 – 2014
- Ad Hoc Teaching Committee (member) 2009 – 2011
- Faculty Conduct Committee (member) 2006 – 2008
- Academic Council Committee 2003 – 2006
- Technology-Enabled Classroom (TEC) initiative (member) 2004 – 2006
- Computer Policy Committee (member) 2003 – 2006
- ITCC Computer Learning Center Subcommittee (member) 2005 – 2006
- The Woman’s Day Celebration Planning Committee (member) 2006 – 2007

Department Level

- AACSB Faculty Qualification Committee (chair) 2021 – present
- Curriculum Committee, Business & Information Technology (member) 2009 – present
- SAP Campus Coordinator 2003 – present
- Computer Science Endowed Chair Search Committee (member) 2021 – present
- IST Non-Tenure Track Assistant Teaching Profession Search Committee (chair) 2021 – 2022
- Department Chair Search Committee (co-chair) 2011 – 2012
- IST Faculty Search Committee (member) 2012
- ERP Faculty Search Committee (chair) 2009 – 2010
- AACSB Strategic Planning (member) 2010 – 2013
- AACSB Assurance of Learning Committee (chair) 2010 - 2013
- Oracle Academic Initiative (OAI) (Administrator and coordinator) 2003 – 2013
- MBA Curriculum Committee (Chair) 2008 – 2009
- MBA Planning Committee (member) 2004 – 2008
- MBA Integrated Curriculum Design Committee (member) 2005 – 2008
- International Collaboration Program with National United University, Taiwan (coordinator) 2007 – 2008
- International Collaboration Program with Fu-Jen University, Taiwan (coordinator) 2007 – 2008
- AACSB Accreditation Committee (member) 2005 – 2008
- Department Graduate Assistant Office Coordinator 2004 – 2006
- Department Chair/Associate Dean Search Committee (Co-Chair) 2004 – 2005
- Department Faculty Search Committee 2004 – 2005

University of Louisville

- Assistant Research Director, UPS Center for Worldwide Supply Chain Management (UPSi), Logistics and Distribution Institute 2001 – 2003
- Computer Information System subcommittee – curricular revision 2002 – 2003
- Committee of Scholarships, Honors and Awards 2002 – 2003
- Faculty Development Committee 2001 – 2002

- Library Committee Fall 2000
- International Studies Committee Spring 2000
- CIS Curricular Revision Subcommittee 2000 – 2001
- CIS subcommittee - Graduate Assistantship 2000
- CIS 110 & CIS111 Success Factor subcommittee 2000 – 2001
- Library Committee 2000 – 2000
- CIS subcommittee - Undergraduate Scholarship 2000
- Coordinator, all sections of CIS110 course materials 1999 – 2001
- Coordinator, all sections of CIS390-01 and CIS390-02 1999 – 2003

Anderson College

- Web design committee, Spring 1999
- Curriculum development committee 1998 – 1999
- Steering Committee of multi-media enhanced interactive computer teaching classrooms 1998 – 1999
- Faculty Training and Development Committee 1997 – 1999
- Information Technology Committee 1997 – 1999

Professional Development and Continuous Improvement Activities

1. Hierarchical Linear Models, Online Live Training & Certification 12/12/2022
2. Tree-Based Machine Learning Methods in SAS Viya, Online Live Training & Certification 12/5 -12/9, 2022
3. Bayesian Mixed Models, Online Live Training & Certification 11/16, 2022
4. Machine Learning Using SAS® Viya, Online Live Training & Certification 11/2 – 11/11, 2022
5. Cloud for teaching -SAP Ariba curriculum overview, Online Live Training 9/13, 9/27, 10/4/2022
6. Machine Learning Using Model Pipelines, Online Live Training & Certification, 9/28/2022
7. Import Data into SAS®, Online Live Training & Certification 8/26/2022
8. SAS® Visual Statistics in SAS® Viya®: Interactive Model Building, Online Live Training & Certification 7/25-7/29, 2022
9. Business Process Configuration with SAP S/4HANA Level 2, Online Live Training & Certification 6/29 – 6/30, 2022
10. Creating Maps in SAS® Visual Analytics, Online Live Training & Certification 6/23, 2022
11. Introduction to ERPsim and Advanced ERPsim workshops, in-person Training & Certification, Montreal, CA 6/13-6/15, 2022
12. Create Custom Categories in SAS® Visual Text Analytics, Online Live Training & Certification 6/6, 2022
13. Business Process Modeling with SAP Signavio, Online Live Training & Certification 1/7,2022
14. Introduction to Data Analysis in SAP Analytics Cloud Boot Camp, Online Live Training & Certification 1/5 –1/6, 2022
15. SAS® Visual Analytics 2 for SAS® Viya®: Advanced, Online Live Training & Certification 11/2–11/5, 2021
16. SAS® Visual Text Analytics in SAS® Viya®, Online Live Training & Certification 10/6 – 10/8, 2021
17. Supervised Machine Learning Procedures Using SAS® Viya® in SAS® Studio, Online Live Training & Certification 10/4 – 10/5, 2021
18. Getting Started with SAS® Studio: A Point-and-Click Approach, Online Live Training & Certification 9/8 – 9/9, 2021
19. ABAP on S/4HANA, Online Live Training & Certification 7/12 -7/13, 2021

20. SAP TS410 Certification Overview, Online Live Training & Certification	7/14 -7/15, 2021
21. SAP Data Warehousing Cloud, Online Live Training & Certification	7/19 -7/20, 2021
22. Introduction to Data Analysis in SAP Analytics Cloud, Online Live Training & Certification	7/21 -7/22, 2021
23. Online Teaching Certification Seminar: Excellence in Online Teaching. Online Training Certification earned	7/13 -8/24, 2020
24. Terminal Four Training for Content Authors. Online Training. Certification earned	7/1 -7/15, 2020
25. Introduction to SAP BW/4HANA, SAP Workshop & Certification, Milwaukee, WI	7/16 -7/17, 2019
26. TS410 Delta Certification Course SAP Workshop & Certification, Milwaukee, WI	7/18 -7/19, 2019
27. Rapid Application Development using Low-Code Platform Mendix, Certification earned, SAP Academic Workshop, Milwaukee, WI	7/18 -7/19, 2018
28. Enterprise Resource Planning System S/4 HANA Configuration, Certification earned, SAP Academic Workshop, Milwaukee, WI	7/16 -7/19, 2018
29. Introduction to SAS and Hadoop Carry, NC, Certificate earned	7/26-7/27, 2017
30. SAS Visual Statistics for Professors, Carry, NC, Certificate earned	7/16, 2015
31. SAS Visual Analytics for Professors, Carry, NC, Certificate earned	7/15, 2015
32. Build Your Own SAP Fiori App in the Cloud, Open SAP Course, Certificate earned	3/25 – 5/27, 2015
33. How the Internet of Things and Smart Services Will Change Society, Open SAP Course, Certificate earned	03/25 – 5/5, 2015
34. SAP Business Suite 4 SAP HANA in a Nutshell, Open SAP Course, Certificate earned	3/25 – 5/18, 2014
35. SAP Business Warehouse powered by SAP HANA, Open SAP Course, Certificate earned	11/13–12/18, 2014
36. BI Clients and Applications on SAP HANA, Open SAP Course, Certificate earned	10/29 –12/17, 2014
37. SAP Workshop: Mobile App Development using SAP Mobile Platform, Atlanta, Certificate earned	3/26 – 3/29, 2014
38. Introduction to Software Development on SAP HANA, Open SAP Course, Certificate earned	10/24–12/12, 2013
39. SAP Workshop: In-Memory Database Management and the SAP HANA Platform	2/23, 2013
40. SAP Workshop: Mobile Application Development, Milwaukee, Wisconsin	7/9 – 7/13, 2012
41. Sybase Unwired/Mobile Applications Workshop, Certificate Awarded, SAP Academic Conference, San Antonio, TX	3/21 – 3/24, 2012
42. In-Memory Computing: SAP HANA Workshop, Certificate Awarded, SAP Academic Conference, San Antonio, TX	3/21 – 3/24, 2012
43. SAP Workshop: BusinessByDesign, Vancouver, Canada	9/22, 2011
44. SAP TERP 10 Certification Training and Examination University of Tampa, Tampa, FL. Certificate earned	5/9 – 5/20, 2011
45. SAP Workshop: BusinessByDesign, SAP Academic Conference, Monterey, California	3/10 – 3/12, 2011
46. SAP Workshop: Business Objects – Xcelsius Dashboards, SAP Academic Conference, Monterey, California	3/10 – 3/12, 2011
47. SAP Advanced Predictive Modeling, Rolla, MO.	5/7, 2010
48. SAP Workshop: Project Management, Certificate Awarded, San Diego, CA	3/20, 2010
49. SAP Curriculum Congress, San Diego, CA	3/18 – 3/21, 2010
50. SAP Workshop: Supply Chain Management, Milwaukee, WI	7/26 – 7/31, 2009
51. SAP Curriculum Congress, Charlotte, NC	3/12 – 3/13, 2008

52. SAP NetWeaver Workshop, Certificate Awarded, Charlotte, NC	3/14, 2008
53. Advanced Predictive Modeling Using SAS Enterprise Miner, Certificate Awarded, SAS World Headquarters, Carry, NC	7/22 – 7/24, 2008
54. SAP Curriculum Congress, Atlanta, GA	2/29 – 3/1, 2008
55. SAP Business One Workshop, Certificate Awarded, Atlanta, GA	2/27 – 2/28, 2008
56. Enterprise SOA and Business Processes Workshop, Certificate Awarded, Chico, CA	7/30 – 8/3, 2007
57. Applied Analytics Using SAS Enterprise Miner 5, Certificate Awarded, Long Beach, CA	7/17 – 7/20, 2007
58. SAS Programming Essentials for Educators, Certificate Awarded, Long Beach, CA	7/15 – 7/16, 2007
59. SAP Curriculum Congress, Vancouver, British Columbia, Canada	3/3 – 3/5, 2007
60. SAP NetWeaver workshop, Certificate Awarded, Vancouver, British Columbia, Canada.	3/1 – 3/2, 2007
61. SAP ERP Simulation Workshop, Fayetteville, AR	10/31 – 11/2, 2006
62. SAP Simulation Workshop, Certificate Awarded, Toronto, CA	6/12– 6/14, 2006
63. SAP Academic Congress, Dallas (Grapevine), Texas	3/4- 3/5, 2006
64. SAP Advanced Planning Optimization/Supply Chain Workshop, Certificate Awarded, Dallas (Grapevine), Texas	3/2 – 3/3, 2006
65. Certi Seminar in Problem-Based Learning in the Classroom, Missouri University of Science & Technology, Rolla, MO	9/16, 2005
66. SAP Strategic Enterprise Management Systems Workshop, Certificate Awarded, Chico, CA	7/18 – 7/22, 2005
67. SAP Academic Congress, Atlanta, GA	3/4 – 3/8, 2005
68. On Course Workshop: Helping Student Get On Course, University of Missouri – Rolla, Rolla, MO	1/6 – 1/7, 2005
69. Certi Seminar in Using Personal Response System in Classroom, University of Missouri – Rolla, Rolla, MO	10/29, 2004
70. Active Learning & Interactive Lectures Seminar, University of Missouri – Rolla, Rolla, MO.	10/1, 2004
71. SAP Enterprise Portals Workshop, Certificate Awarded, Columbia, MO	8/16 – 8/19, 2004
72. SAP Supply Chain Management Basics – Planning & Manufacturing Workshop, Certificate Awarded, Rolla, MO	7/26 -7/30, 2004
73. SAP Strategic Enterprise Management workshop, Certificate Awarded, Chico, CA	7/11 – 7/16, 2004
74. SAP Academic Congress, Orlando, FL	2/27 – 3/1, 2004
75. SAP: Business Integration II Workshop, Certificate Awarded, LSU, LA	1/19 – 1/23, 2004
76. SAP: Business Integration I Workshop, Certificate Awarded, LSU, LA	1/11 – 1/16, 2004
77. Introduction to SAP, Certificate Awarded, Rolla, MO	10/24 – 10/25, 2003
78. Freshman Faculty Forum, Rolla, MO	2003 – 2004
79. Cold Fusion Development, Certificate Awarded, Louisville, KY	7/15 – 7/20, 2002
80. Visual Studio Development, Certificate Awarded, Louisville, KY	2002
81. MSDN Training: Windows Programming, Certificate Awarded, Louisville, KY	2001
82. MSDN Training: Visual Basic, Certificate Awarded, Louisville, KY	7/22 – 7/24, 1998
83. Novell Tech Share, Atlanta, GA	6/13 – 6/14, 1997