ERP Faculty Research Utilizing the Resources from the SAP University Alliance Membership & ERP Business Simulation Platform

2003 – 2021 Report

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Research Summary

2016-2021 Summary

Research Activity Types		Numbers	Funding (Shared Credit)
Award and Recognitions		9	
Grants, Contracts, and Corporate Funding	Awarded	21	$184,135.13 ($108,852.04) + Software grants
	Additional Submissions	3	$116,930 ($63,958.7)
Research Publications	Referred Journal	18	
	Referred Conference Proceeding	17	
	Referred Conference Presentations	12	
	Invited Presentations and Workshops	7	
	Referred Book Chapters	1	
Undergraduate Research		5	$6,500
Total		**93**	**$307,565.13 ($179,310.74)**
Published and Awarded		**90**	**$190,635.13 (115, 352.04)**

2003-2015 Summary

Research Activity Types		Numbers	Funding (Shared Credits)
Award and Recognitions		11	
Grants, Contracts, and Corporate Funding	Awarded	20	$704,316 ($279,491) + Software grants
	Additional Submission	15	$4,149,489 ($1,425,978.9)
Research Publications	Referred Journal	29	
	Referred Conference Proceeding	32	
	Referred Conference Presentations	29	
	Invited Presentations and Workshops	17	
	Referred Book Chapters	3	
	Working Papers and White Papers	1	
Theses and Undergraduate Research	Thesis Advisor	18	
	Thesis Committee Member	9	
	Undergraduate Research	24	$21,000

Total	208	**$4,853,805 ($1,704,469.9)**
Published and Awarded	193	**$725,316 ($300,491)**

2016-2021 Research Activities

Awards and Recognitions

1. Lea, B-R, 2019, Named in "Top 10 Outstanding ERP Professors," BSchools.org, March 2019
2. Lea, B-R, Outstanding Teacher Award, Missouri University of Science & Technology, December 2018.
3. Lea, B-R, Eng., L, Instructional Innovation Award, Annual Conference, Decision Science Institute, November 2018
4. Lea, B-R, Yu, W. Best Learning and Education Research Paper Award, Annual Conference, Decision Science Institute, November 2018.
5. Lea, B-R, Excellence in Service to Students Award, National Society of Leadership and Success - Sigma Alpha Phi, Missouri S&T Chapter, April 2018.
6. Chiu, Y., 2018, Faculty Achievement Award Recipient, Missouri University of Science and Technology, 2018
7. Chiu, Y., 2017, Outstanding Contributions to Graduate Studies Nominee, Graduate Faculty Council, Missouri University of Science and Technology, 2017
8. Lea, B-R, Outstanding Professor Award of Excellence, Global Learning, Missouri University of Science & Technology, March 2017.
9. Lea, B-R, Outstanding Teacher Award, Missouri University of Science & Technology, December 2016.

Grants, Contracts, and Corporate Funding

Grants & Funding Received **(Total Funded: $184,135.13 + Software Grants, Share Credit: $108,852.04 + Software Grants)**

1. Lea, B-R, (PI, 100%), 2021-2022, 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, July 2021 – December 2022.
2. Lea, B-R. (PI: 40%), Yu, W.B. (20%), Claybaugh, C. (20%), Chiu, Y. (20%), 2019, Advancing Enterprise Resource Planning (ERP) Education, Boeing, $1,000 Annually.
3. Lea, B-R, (PI, 100%), 2019, 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.
4. Lea, B-R, (PI, 100%), 2019, ERP Simulation Competition Sponsorship, $2,000.
5. Lea, B-R, (PI, 70%), Claybaugh, C. (Co-PI, 30%), 2018, 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, December 1-31, 2018
6. Lea, B-R, (PI, 100%), 2018, ERP Simulation Competition Sponsorship, $2,734, various companies.

7. Lea, B-R (PI: 50%), Eng, L. (Co-PI: 50%), 2016-2017, 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), September 2016- May 2017.

8. Lea, B-R, (PI, 100%), Software grants: HANA 2.0, S/4HANA, BW4/HANA, BusinessObjects BI Platform Server 2.0, Sybase, SAP CRM, SAP SRM, SAP, 2018- present.

9. Lea, B-R, (PI, 100%), Software grant: SAP BusinessObjects Software: BI Platform Server 1.0, Crystal Xcelsius, Metadata Bridges, Reporting, Enterprise Information, Query and Analysis, SAP, 2010- present.

10. Lea, B-R, (PI, 100%), Software grant: SAP Business Suite Software, IDES, SAP Database Interface, 2008 – present.

11. Lea, B-R, (PI, 100%), 2017, ERP Simulation Competition Sponsorship, $1,980, various companies.

12. Lea, B-R, (PI, 100%), 2016, ERP Simulation Competition Sponsorship, $1,760, various companies.

13. Lea, B-R (PI, 100%), 2016, 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.

14. Lea, B-R, (PI, 100%), ERP Simulation Competition Sponsorship, $900, various companies.

15. Lea, B-R, (PI, 100%), 2015-2016, Collaborative Supply Chain Planning Involving Local Entrepreneurs: A Fort Leonard Wood Case Study, Deloitte, $900.

16. Lea, B-R (PI, 45%), Smith, G. (Co-PI, 45%), 2014-2016, 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.

17. Lea, B-R (PI, 50%), Yu, W (Co-PI, 50%): 2015-2016, 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.

18. Lea, B-R (PI, 100%), 2015-2016, Business Analytics & Big Data, $1,000, Deloitte, 2015-2016

19. Lea, B-R (PI, 100%), $2,500, 2015-2018, ERP Research, Union Pacific.

20. Lea, B-R (PI, 100%), 2015-2016, Autism Spectrum Disorder & Visualization, Eastman Chemical, $1,500.

21. Lea, B-R (PI, 65%), Donald Wunsch (Co-PI, 35%), 2015-2016, In-Memory Database Design to Support Visualization in ASD Research, $15,000 (shared credit: $9,750), Missouri S&T Innovation Teams.

Additional Grants Submission History

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, July 2021.

2. Lea, B-R (PI: 50%), Mirchandani, Dinesh (CO-PI, 30%), Goggins, Sean (CO-PI, 20%), UM Intercampus Course Sharing: ERP, University of Missouri, $81,993, April 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, October 2016.

Publications and Research

Refereed Journals

1. Lea, B-R, Min, H., (2021, under review). 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 Production Economics.

2. Lea, B-R, Sumner, M., Mirchandani, D., (2021, under review) The Relationship of Computer Aptitude, Affects, and Openness Personality Traits on Learning Success of Complex Enterprise Systems, Journal of Information System Education.

3. Min, H., Lea, B-R, (2021, under review). Motivators and Inhibitors for Business Analytics Adoption from the Cross-Cultural Perspectives: A Data Mining Approach, Decision Sciences.

4. Min, H., Lea, B-R, 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).

5. Lea, B-R, Lea, B-R, Yu, W., Min., H., (accepted in July 2020, forthcoming). Influential Factors in Decision Support Capabilities of a Mobile-Enable Interactive Analytical Dashboard, International Journal of Business and Systems Research.

6. Lea, B-R, Eng. L., 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.

7. Lea, B-R, Mirchandani, D., Sumner, M, Yu, K.,, 2020, Personality Types in Learning an Enterprise Resource Planning (ERP) System, Journal of Computer Information Systems, November, 1-13.

8. Claybaugh, C. C., Elrod, C. C., Flachsbart, B. B., & Hilgers, M. G., 2020. Anatomy of an information systems program continuous improvement process for AACSB accreditation. Journal of Education for Business, 95(3), 159-168.

9. Claybaugh, C. C., Haried, P., Chen, Y., & Chen, L., 2019. ERP vendor satisfaction: from communication and IT capability perspectives. Journal of Computer Information Systems.

10. 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.

11. Easter, J., Yang, Q., Daches, C., Yu, W. B., & Claybaugh, C., 2019. The US-MEXICO Border Wall-A Sentiment Analysis. Issues in Information Systems, 20(4), 123-129.

12. Haried, P., Claybaugh, C., & Dai, H. 2019. Evaluation of health information systems research in information systems research: A meta-analysis. Health informatics journal, 25(1), 186-202.

13. 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.

14. 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.

15. Haried, P. and Claybaugh, C., 2017, Evaluating Information Systems Offshore Project Success: Can Success and Failure Coexist?, Journal of Global Information Technology Management, 2017, Vol 20, No 1, pp 8-27.

16. Claybaugh, C.C., Ramamurthy, K. and Haseman, W.D., 2017, Assimilation of Enterprise Technology Upgrades: A Factor Based Study, Enterprise Information Systems, Vol 11, Issue 2, pp 250-286.

17. Lea, B-R, Yu, W., Min, H., 2017, Data visualization: a case study in Renewable energy, Issues in Information Systems, 18(3), 195-205.

18. Roy, K., D. Kohli, R. Kuma, R. Sahgal and W. Yu, 2017, Sentiment Analysis of Twitter Data for Demonetization in India – A Text Mining Approach," Issues in Information Systems, Vol. 18, No. 4, pp 9-15.

Refereed Proceedings

1. Lea, B-R, Mirchandani, D., Sumner, M.,, 2021, Learning Complex Enterprise Systems: A Study of The Relationship of Computer Aptitude, Affect, and Openness Personality Traits with Learning Success, The 2021 Annual Conference of the International Conference on Information Systems (ICIS), December 12-15, Austin, Texas, U.S.A.

2. 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.

3. 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.

4. Nah, F. F. H., Eschenbrenner, B., Claybaugh, C. C., & Koob, P. B. (2019). Gamification of enterprise systems. Systems, 7(1), 13.

5. Claybaugh, C. C., Haried, P., & Tang, L., 2019. Skill and the Art of Tax Filing Excellence: Comparison of Two Cultures. In International Conference on Human-Computer Interaction, pp. 307-315. Springer, Cham.

6. Haried, P., & Claybaugh, C., 2019. Exploring The Motivation, Attitude And Loyalty Of Daily Fantasy Sports Participants. ASBBS Proceedings, 26, 275-275.

7. 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.

8. 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.

9. Claybaugh, C. C., Chen, L., Haried, P., & Zhou, D. (2018, July). Risk and information disclosure in Google Drive sharing of tax data. In International Conference on HCI in Business, Government, and Organizations (pp. 42-50). Springer, Cham.

10. 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.

11. 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.

12. Claybaugh, C.C., Haried, P., Chen, L. and Twyman, N.W., 2017, Dueling for Trust in the Online Fantasy Football Industry: Fame, Fortune, and Pride For the Winners, HCI International, Vancouver, Canada, 12-14 July 2017, Thematic Area: HCI in Business, Government, and Organizations.

13. 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.

14. Yu, W., Lea, B-R, Mohini, a., Soni, S.,, 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.

15. Claybaugh, C. C., Flow and the Art of ERP Education, 2016, HCI International 2016, Toronto, Canada, 17- 22 July 2016, Thematic Area: HCI in Business, Government, and Organizations.

16. 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 Bio-medical Initiative Collaborative Research Symposium, February 24, 2016, Rolla, MO, USA.

17. 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, 15-18, February 16-18, 2016, San Diego, CA, USA.

Refereed Presentations

1. 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.

2. Lea, B-R, Yu, K., 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

3. 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.

4. Freeze, R., Bristow, S., Lea, B-R, 2019, S/4HANA: Introduction, Configuration and Fiori, SAP Next-Gen Conference, July 14-15, Milwaukee, WI..

5. Easter, J., Yang, Q., Daches, C., Yu, W., Claybaugh, C., 2019, The U.S. - Mexico Border Wall - A Sentiment Analysis", 59th Annual IACIS Conference, Clearwater Beach, Florida, October 2-5.

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, 2018. https://dsi-annualmeeting2018.exordo.com/programme/presentation/1025

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, 2018. https://dsi-annualmeeting2018.exordo.com/programme/presentation/292

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. Eng., L., Lea, B-R , 2017, Student Perceptions Of Cross-Functional Interdisciplinary Teams For Projects, 2017 Teaching and Learning Technology Conference, Rolla, MO, March 16-17, 2017.

11. Roy, K., Kohli, D., Kuma, R., Sahgal, R., and Yu, W., 2017, Sentiment Analysis of Twitter Data for Demonetization in India – A Text Mining Approach" presented at 57th Annual IACIS Conference Philadelphia, PA, October 4-7.

12. Chiu, Y. and Nah, F., 2017, Effects of the Use of Leaderboards in Education, Proceedings of the Midwest Association for Information Systems Conference, Summer/May.

Invited Presentations and Workshops

1. Lea, B-R, 2019, Missouri University of Science & Tech - Enterprise Security and Digital Supply Chain Chapter, SAP Next-Gen Chapter Conference, Milwaukee, WI, July 14-15, 2019
2. Lea, B-R, 2019, Visualize Demand Forecast using in-memory SAP S/4HANA ERP System, Bowling Green State University, April 26, 2019.
3. Lea, B-R, 2019, Leveraging SAP UA Resources for Faculty Research & Teaching Improvement, April 26, 2019.
4. Claybaugh, C., 2018, Zhejiang University of Technology, Hangzhou, P.R.China, April.
5. Claybaugh, C., 2018, Wuhan University of Technology, Wuhan,Hubei, P.R.China, April.
6. Claybaugh, C., 2018, Hubei University of Technology, Wuhan,Hubei, P.R.China, April.
7. Claybaugh, C., 2018, Hohai University, Nanjing, Jiangsu, P.R.China, April.

Referred Book Chapter

Claybaugh, C. C., 2016, Flow and the Art of ERP Education, Springer International Publishing Switzerland 2016, F. Fui-Hoon Nah and C.-H. Tan (Eds.): HCI in Business, Government, and Organizations: Information Systems, LNCS 9752, pp. 39–46.

Theses and Undergraduate Research

Undergraduate Research Project Advisor **(total funded amount: $27,500, view abstracts at http://erp.mst.edu/research/undergraduateresearch)**

Lea, B-R

1. Anne Simpson, OURE Research Project, $500, (Fall 2018 – Spring 2019), Explore Relations between Personality and Academic Performance in an Introductory Enterprise Resource Planning Course
2. Samuel Holtmeier, OURE Fellow project, $2,000 (Fall 2016 – Spring 2017), Dashboard Implementation and Hypothesis Testing of Influence of Prior ASD Knowledge on Teachers' Ability for Early ASD Diagnosis Using Performance Dashboards
3. Scott Neustadt, OURE Fellow project, $2,000 (Fall 2016 – Spring 2017), Improving Information Retention and Discovery of Genetic Autism Data: The Roles of Colors and High Dimensional Graphs
4. Samuel Holtmeier, OURE project, $1000, (Fall 2015 – Spring 2016), Influence of Prior ASD Knowledge on Teachers' Ability for Early Autism Spectrum Disorder (ASD) Diagnosis: Literature Review
5. Scott Neustadt, OURE project, $1000, (Fall 2015 – Spring 2016), Visualizing Genetic Influence on Autism Spectrum Disorder (ASD) Diagnosis: The Roles of Color and High Dimensional Graphs

2003-2015 Research Activities

Awards and Recognitions

1. Claybaugh, C., 2015, Global Learning Outstanding Teaching Award of Excellence, MST, May.
2. Yu, W., 2015, Missouri University of Science and Technology Outstanding Teaching Award for 2014-15", Missouri University of Science and Technology, November 2015.
3. Yu, W., 2015, Global Learning 2015 Outstanding Teaching Award of Excellence", Missouri University of Science and Technology, April 2015.
4. Lea, B-R, Inspirational Women Award, Leadership and Cultural Programs and Women's Programs, Missouri University of Science & Technology, 2014
5. Lea, B-R, Outstanding Scholar Award, Midwest Chinese American Science & Technology Association, St. Louis, MO, 2014
6. Yu, W., 2012, Global Learning 2012 Outstanding Teaching Commendation Award", Missouri University of Science and Technology, April 2012.
7. Claybaugh, C., 2011, Global Learning Outstanding Teaching Award of Excellence, MST, May.
8. Yu., W., 2011 Global Learning 2011 Outstanding Teaching Award of Excellence", Missouri University of Science and Technology, May 2011.
9. Lea, B-R, Global Learning 2010 Outstanding Teaching Commendation Award, Missouri University of Science & Technology, 2010
10. Lea, B-R, Outstanding Teacher Award, Business & Information Technology, Missouri University of Science & Technology, 2009.
11. Lea, B-R, Team Coach, Champion of 2nd International ERP Simulation Competition, Montreal, CA, June 2008.

Grants, Contracts, and Corporate Funding

Grants & Funding Received **(Total Funded: $704,316 + Software Grants, Share Credit: $279,491 + Software Grants)**

1. Lea, B-R, (PI, 100%), 2015, ERP Simulation Competition Sponsorship, $1,200, various companies.
2. Lea, B-R, (PI, 100%), 2015, Deloitte Case Competition, $1,000.
3. Lea, B-R, (PI, 100%), 2015, Assess effectiveness and efficiency of an in-memory HANA database utilizing column- and row-based design in supporting visual analytics, Eastman Chemical, $1,000.
4. Lea, B-R, (PI, 100%), August – December, 2014, Utilizing In-memory Computing in Teaching and Research: A Case Tutorial, $1,500, Information Technology Missouri University of Science and Technology.
5. Lea, B-R, (PI, 100%), 2014-2015, ERP Education, ConocoPhillips, $2,000.
6. Lea, B-R, (PI, 100%), 2013-2014, HANA: In-Memory Analytics, $4,000 ($3,000 from Avent, $1,000, Accenture.
7. Lea, B-R, (PI, 100%), 2012-2015, Union Pacific Research Project, $2,000 per year, Union Pacific.
8. Lea, B-R, (PI, 100%), 2015, ERP Simulation Competition, $750, Union Pacific, Junction Solutions.
9. Lea, B-R, (PI, 100%), 2013, ERP Simulation Competition, $1,200, Accenture, Junction Solutions, Avnet.

10. Lea, B-R, (PI, 100%), 2011-2012, International Biotechnology Enhanced by Cloud Computing Work-shop, $15,000, Taiwan National Science Council.

11. Lea, B-R, (PI, 100%), 2012, Employee Portal Monitoring and Usability Analysis,$2,000, Peabody Energy.

12. Lea, B-R, (PI, 100%), 2011, Enterprise Portal and Performance Dashboard Application,$2,000, Peabody Energy.

13. Lea, B-R, (PI, 100%), 2010, Role-Based Enterprise Portal,$2,000, Peabody Energy.

14. Lea, B-R, (PI, 100%), 2010, Strategic Performance Dashboard for Career Placement Service in a Higher Education Environment, $4,500, Career Opportunity Center, Missouri University of Science & Technology.

15. Lea, B-R, (PI, 50%), Yu, W-B (Co-PI, 25%); and Qi, L. (Co-PI, 25%),, 2007-2008, UMR and Monsanto Partnership: Phase I Feasibility Investigation, Monsanto Company, $14,272.

16. Yu, W., (Co-PI, 15%), 2007-2010, Introduction of GIS into Civil Engineering Curricula", National Science Foundation, award #: 0717241, Division of Undergraduate Education.. Received: $499,794, shared credit: $74,969.

17. Lea, B-R, (PI, 50%) and Yu, W. B. (Co-PI, 50%), 2006, A Text Mining Enhanced Stakeholder Monitor in an Intelligent Enterprise Decision Simulator, $8100, British Telecom Research Fellowship, June.

18. Lea, B-R, (PI, 100%), 2004-2005, A Theory of Constraints-based Supply-Chain Performance Management Framework, $25,000, Missouri Research Board.

19. DeKock, A. (30%, PI), Lea, B-R, (Co-PI, 30%), Yu, W-B (Co-PI, 30%), 2004-2006, NSF 03-521 Partnerships for Innovations, National Science Foundation, renewed, Total funded: $90,000 (shared credit: $27,000), September 2004 – August 2006.

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

Additional Grants Submission History **(Total Submitted: 4149489, Shared Credit: 142,4978.9)**

1. 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, May 2015.

2. Lea, B-R (PI, 50%), Yu, W-B. (50%), Improve Commercialization Success through Intelligent Cost Modeling and Simulation, $82,304, Bureau of Energy at Ministry of Economic Affairs, Taiwan, July 2009.

3. 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, June 2009.

4. Lea, B-R, (PI, 50%), Yu, W-B. (30%), Qi., L (20%), UMR and Monsanto Partnership: Phase II Implementation Planning, Monsanto Company, $313,093, 2008.

5. Lea, B-R, (PI, 100%), 12,000, The Boeing Welliver Faculty Fellowship, submitted on January 16 2008.

6. 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.

7. Lea, B-R (CO-PI, 30%), Yu, W.B. (CO-PI, 20%); Oboh-Ikuenobe, F., (PI, 50%), Taxon Recommendation System for Palynological Data, $36,548, Missouri Research Board, Submitted in October, 2006.

8. 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), Submitted in April 2006

9. Lea, B-R, (Co-PI, 30%), Geoinformatics: Paleontological Data Integration Enhanced by a Text Mining, National Science Foundation, $312,286, (shared credit: $93,686), submitted in February 2006.

10. Lea, B-R, (PI, 40%), Intelligent Enterprise Decision Simulator, $272,407 (shared credit: $108,962.8), British Telecom, Submitted on April 2005.

11. Lea, B-R (PI, 45%), Yu, W. B. (30%), Bham, G. (25%), 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, Missouri Transportation Institute, Submitted on December 2005.

12. Lea, B-R, (Co-PI, 30%), Text Mining: A New Approach for Fossils and Geoinformatics, National Science Foundation, $35,2441, (shared credit: $105,732), July 2004

13. 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 (shared credit: 10%), SAP Small and Medium Enterprises RFP, submitted on March 26, 2004

14. Lea, B-R, (Co-PI, 30%), Development of an On-line Assessment Instrument for Small and Medium Size Enterprises, $102,337 (shared credit: $23,285), SAP Small and Medium Enterprises RFP, submitted on March 26, 2004

15. Lea, B-R, (PI, 100%), Create Inventory Visualization Model with Simulation Data, $21,000 (shared credit: $21,000), IC Logistics/NSF, Submitted on December 2004.

Publications and Research

Refereed Journals

1. Claybaugh, C., Haried, P., and Yu, W.B., 2015, Diffusion of a Professional Social Network - Business School Graduates In Focus, International Journal of Human Capital and Information Technology Professionals, Volume 6, Issue 4, pp 80-96.

2. Claybaugh, C. and Haried, P., Professional Social Network Participation of Business School Graduates: Effects of University, Degree Type, and Gender, International Journal of Information Systems & Social Change, January-March 2014, Volume 5, No 5, pp 1-15.

3. 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.

4. Lea, B. and 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.

5. Wu, W., Hung, C., and Yu, W., 2013, The Development of Automated Solder Bump Inspection Using Machine Vision Techniques", International Journal of Advanced Manufacturing Technology, Vol. 69, No. 1-4, pp 509-523.

6. Claybaugh, C.C. and Haseman, W.D., Understanding Professional Connections in LinkedIn – A Question of Trust, Journal of Computer Information Systems, 2013, Volume 54, Issue 1, pp 94- 105.

7. Yu, W-B and Luna, R., 2013, "Exploring user feedback of a e-learning system: A text mining approach," "in Lecture Notes in Computer Science 8018, Yamamoto S. (editor), Springer-Verlag, pp. 182-191.

8. Haried, P. and Claybaugh, C.C., Understanding Business Strategy and Information Systems Offshoring Alignment: A Conceptual Framework, Journal of Business and Behavioral Sciences, 2012, Volume 24, Issue2, pp 55-64.

9. Claybaugh, C.C. and Haried, P., Professional Social Network Site Participation: A Longitudinal Examination, International Journal of Virtual Communities and Social Networking, October- December 2012, Vol. 4, No. 4, pp 19-32.

10. Yu, W. B., Min, H., and 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.

11. 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.

12. Lea, B-R, Chris Brown, 2009, Cooperative Lecture Style and Student Learning in an Introductory Computer Programming Course, International Journal of Innovation and Learning, 6(2), 192-216.

13. Claybaugh, C.C. and Srite, M., 2009, Factors Contributing to the Information Technology Vendor Client Relationship, Journal of Information Technology Theory and Application, Volume 10, Issue 2, pp 19-38, July.

14. Wu, W. and Yu, W., 2009, Subpixel Detection of Circular Objects Using Geometric Property", World Academy of Science, Engineering and Technology, International Science Index 32, International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering, Vol: 3, No:8, pp 572-576.

15. Qi, L., Shen, Z. J. M., & Snyder, L. V., 2009. A continuous-review inventory model with disruptions at both supplier and retailer. Production and Operations Management, 18(5), 516-532.

16. Min, H. and W. Yu, 2008, Collaborative Planning, Forecasting and Replenishment: Demand Planning in Supply Chain Management, International Journal of Information Technology and Management, Vol. 7, No. 1, pp. 4-20.

17. Min, H. and Yu, W., 2008, Reengineering Call Center Operations Using Simulation" International Journal of Service Technology and Management, Vol. 9, No.1, pp. 71-78.

18. Lea, B-R, 2008, Clickers Adoption in a Small Class Setting, 39(4), 7-11, Decision Line.

19. Lea, B-R, Yu, W.B., and 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.

20. Qi, L. and Shen, Z., 2007. "A Supply Chain Design Model with Unreliable Supply". Naval Research Logistics, 54 (8), 829-844.

21. Shen, Z. and Qi, L., 2007. "Incorporating Inventory and Routing Costs in Strategic Location Models". European Journal of Operational Research, 179 (2), 372-389.

22. Lea, B-R, 2007, Management Accounting Systems in an ERP Integrated Environment. Industrial Management & Data Systems, 107(8), 1188-1211.

23. Yu, W.B., Lea, B-R, and Guruswamy, B., 2007, A Theoretic Framework Integrating Text Mining and Energy Demand Forecasting, 5(1), International Journal of Electronic Business Management, Special issue on E-business applications in the Energy Sector, 211-224.

24. Yu, W. and J.H. Graham, 2007, Demand Forecasting Using Intelligent Agents with Application to a Call Processing Center,". International Journal of Computers and Their Applications, Vol. 14, No 4. pp. 201-210.

25. Qi, L., & Shen, Z. J. M., 2007. A supply chain design model with unreliable supply. Naval Research Logistics (NRL), 54(8), 829-844.

26. 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.

27. Lea, B-R, 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, 2005.

28. 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.

29. 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.

Refereed Proceedings

1. Claybaugh, C. C., 2015, To Believe or Not to Believe a Call to Action: An Empirical Investigation of Source Credibility, HCI International 2015, Los Angeles, CA, USA, 2-7 August 2015, Thematic Area: HCI in Business.

2. Jin, L, Lea, B-R, Deng, X. 2014, An Explorative Study of Mobility Adoption in the Enterprise, 20th Americas Conference on Information Systems, August 7 -10, 2014. Savannah, Georgia, USA

3. Yu, W., and Luna, R. 2013, Exploring User Feedback of a E-Learning System: a Text Mining Approach, Proceedings of the 15th international conference on Human Interface and the Management of Information: information and interaction for learning, culture, collaboration and business – Vol: III, pp. 182-191, Las Vegas, Nevada, July 21 - 26.

4. 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, July 21 – 26, 2013, Las Vegas, Nevada, USA

5. Haried, P. and Claybaugh, C.C., 2012. Information Systems Offshoring: A Strategic Alignment Perspective, 19th Annual Conference of American Society of Business and Behavioral Sciences, Las Vegas, Nevada, February 23 to 26, 2012.

6. 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

7. 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

8. 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.

9. San-Adams, T. and Yu, W., 2011, Analysis of Pharmaceutical Patent Applications to Determine Trends in Pharmaceutical Industry Using Text-mining Approach, Proceedings of the 42nd Annual Conference of Decision Sciences Institute (DSI-2011, pp. 4441-4446, Boston, MA, November 19-22.

10. 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.

11. 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.

12. 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.

13. 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.

14. Wu, W. and Yu, W., 2009, Subpixel detection of circular objects using geometric property, Proceedings of World Academic of Science, Engineering and technology, Vol. 56 (ISSN: 2070-3724, pp. 236-240, Singapore, August .

15. Claybaugh, C.C. and Nazareth, D., 2009, Measuring Severity of Internet Abuse in the Workplace: Creation of a Thurstone Scale, in the 15th Americas Conference on Information Systems (AMCIS '09, San Francisco, California, August 6 - 9, 2009, Track: Philosophical Perspectives in IS; Mini-track: Social Philosophy, Ethics, and Information Technology.

16. 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.

17. 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.

18. 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

19. 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

20. 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

21. 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, Proceeding of the Geoinformatics 2006 Conference, Reston, VA, May 10 -12, 2006

22. Qi, L., Shen, Z., and Snyder, L., 2006. "The Effect of Supply Uncertainty on Supply Chain Design Decisions". Proceedings of the 2006 Institute of Industrial Engineers (IIE) Annual Conference, Orlando, FL, 2006. Winner of the best paper award in the area of Operations Research.

23. Qi, L., and Shen, Z., 2005. "A Supply Chain Design Model with Unreliable Supply". Proceedings of the 2005 Institute of Industrial Engineers (IIE) Annual Conference, Atlanta, GA, 2005.

24. 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, November19-22, 14031-14036, 2005.

25. 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, San Francisco, CA, November19-22, 16341-16346, 2005.

26. Lea, B-R, Maguluru, N., Nichols, 2005, M., Social Networks in the Technology Era: Roles of Digital Cities in Enhancing Business Networks, Proceeding of the 2005 Americas Conference on Information Systems, Omaha, Nebraska, August 11-14, 3501-3513, 2005.

27. Min, H., and Yu, W., 2005, Reengineering Call Center Operations Using Simulation: A Case Study,

28. Proceedings of the 10th Annual Meeting of Asia-Pacific Decision Sciences Institute (APDSI, on CD ROM, Taipei, Taiwan, June 28 - July 2.

29. Deokule, S., 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, Taipei, Taiwan, 530-537, 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. Min, H. and Yu, W., 2004, Collaborative Planning, Forecasting and Replenishment: Demand Planning in Supply Chain Management," Proceedings of the 4th International Conference on Electronic Business (ICEB2004, pp. 58-62, Beijing, China, Dec 5-9.

Refereed Presentations

1. Lea, B-R, Smith, G., 2015, Leveraging HANA in Autism Spectrum Disorder (ASD) research, 18th SAP Academic Conference, Tempe, AZ, April 9-10, 2015

2. Katerattanakul, N., Yu, W., and Luna, R., 2010, Using Text Mining to Examine User Feedback of a Web-based Learning System", Research Abstract and Presentation The 41st Annual Meeting of the Decision Sciences Institute (DSI-2010, San Diego CA, November 20-23.

3. Lea, B-R, Campbell, B , 2012, Monitoring Enterprise Portal Usage for Continuous Design Improvement, 2012 ASUG Annual Conference, Orlando, FL, May 14 – 16, 2012

4. Lea, B-R, Sequeira, D., Socha, J., Bartlett, K., 2012, Improve Usability and Effectiveness of Employee Portal through a SAP KM Dashboard Monitoring System: Peabody Energy's Journey, 2012 ASUG Annual Conference, Orlando, FL, May 14 – 16, 2012

5. 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.

6. Banerjee, P., Yu, W., and Luna, R., 2010, Quantifying the Usage of Multimedia on a Web-based E-Learning Module, Research Abstract and Presentation, The 41st Annual Meeting of the Decision Sciences Institute (DSI-2010, San Diego CA, November 20-23.

7. 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.

8. Claybaugh, C., 2009, Assimilation of Technology Upgrades: A Case of Enterprise Systems International Conference on Information Systems (ICIS) Doctoral Consortium, December 10,, Phoenix, AZ

9. Claybaugh, C. and Nazareth, D., 2009, Measuring Severity of Internet Abuse in the Workplace: Creation of a Thurstone Scale, in the 15th Americas Conference on Information Systems (AMCIS '09), San Francisco, California, August 6 - 9,

10. Claybaugh, C., 2009, ERP Governance Post-Implementation: An Upgrade Decision Model

11. Qi, L, 2009, A Continuous-review Inventory Model with Dual-sourcing Strategy and Random Disruptions", INFORMS Annual Meeting, San Diego, CA.

12. Bublitz, M., Claybaugh, C., and Peracchio, L, 2008, Mirror, Mirror on the Web: Understanding Thin-Slice

Judgments of Avatars, Accepted for presentation at the Society of Consumer Psychology's 27th Annual Advertising and Consumer Psychology Conference on Virtual Social Identity and Consumer Behavior, held May 2nd, 2008.

13. 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.

14. Qi, L, 2008, Multiple-Sourcing Strategy under Random Supply Disruptions, IIE Annual Conference, Vancouver, British Columbia, Canada.

15. Qi, L, 2008, Modeling and Analysis of Inventory Management Problems under GCPP process with Financial Constraints", IIE Annual Conference, Vancouver, British Columbia, Canada.

16. 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.

17. 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.

18. Yu, W., 2007, Information Driven Business Forecasting: A Text Mining Approach" Invited talk presented in a research seminar for the Department of Industrial Engineering and Management of I-Shou University, Taiwan ROC, June 20th.

19. Qi, L, 2007, Retailer Location and Customer Demand Allocation Decisions under Random Supply Disruptions", INFORMS Annual Meeting, Seattle, WA.

20. Qi, L., 2007, A Multiple and Dynamic Sourcing Problem for a Supply Chain with Supply Disruptions", IIE Annual Conference, Nashville, TN.

21. Qi, L., 2007, Supply Chain Design under Stochastic Supply Disruptions", Annual Production & Operations Management Society Conference, Dallas, TX.

22. 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.

23. 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

24. Qi, L., 2006, Numerical and Simulation Studies on a Supply Chain Design Problem with Supply Disruptions", INFORMS Annual Meeting, Pittsburgh, PA.

25. Qi, L., 2006, The Effect of Supply Uncertainty on the Supply Chain Design Decisions", IIE Annual Conference, Orlando, FL.

26. Yu, W., 2005, A Framework of Information Retrieval Agents Enhanced Demand Forecasting with Keywords Generated by Text Mining," Research Abstract and Presentation, The 36th Annual Meeting of the Decision Sciences Institute (DSI-2005), San Francisco CA, November 19-22, 2005.

27. Lea, B-R, 2004, Information City: A Review from Business Perspectives, 35th Annual Conference of Decision Sciences Institute, Boston, MA, November 20-23, 2004.

28. Yu, W., 2004, Information Sharing With RFID and Agent-Based System in a Supply Chain Environment, Research Abstract and Presentation, The 35th Annual Meeting of the Decision Sciences Institute (DSI-2004), Boston, MA, November 20-23.

29. 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.

Invited Presentations and Workshops

1. Lea, B-R, 2013, SAP HANA System and Tools in In-Memory Computation, ASUG, St. Louis, November 15, 2013.

2. Lea, B-R, Claybaugh, C., 2013, Our Journey of Our Journey to SAP Mobility / Sybase Unwired Platform, ASUG, St. Louis, February, 8, 2013

3. Lea, B-R, Chopra, M.; Han, Y.P., 2010, Enterprise Performance Dashboard, ASUG, St. Louis Chapter, St. Louis, MO, March5, 2010.

4. Lea, B-R, Sequeira, D., 2010, Enterprise Portal and Corporate Governance, ASUG, St. Louis Chapter, St. Louis, MO, March5, 2010.

5. Lea, B-R, 2009, Going beyond transaction-based (point and click) exercises, SAP Curriculum Congress, Charlotte, NC (3/12/2009 – 3/13/2009)

6. Lea, B-R, 2008, Application of Theory of Constraints based Performance Measurement in Supply Chain Management, I-Shou University, Taiwan, June 11, 2008.

7. Lea, B-R, 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.

8. Lea, B-R, 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.

9. Lea, B-R, Aggarwal, S., Jaidka, 2008, A., Improving Decision Quality with BI Queries and Balanced Scorecard, SAP Curriculum Congress 2008, Atlanta, GA, February 27 – March 1, 2008.

10. Lea, B-R, Yu, W.B., 2007, An Integrated, Cross-functional, Multidisciplinary MBA Curriculum Design, National United University, Taiwan, June 13, 2007.

11. Lea, B-R, 2007, Student Learning Outcome and personal Response System (Clickers) in a Small Class Setting, University of Missouri-Rolla, April 27, 2007.

12. Lea, B-R, Fisher, C, 2007, Onsite MISSOURI S&T Sponsored Childcare Facility: A Need Assessment, Women Advancing Excellence, University of Missouri-Rolla, April 18, 2007.

13. Lea, B-R, Yu, W. B., Srinivisan, S., 2006, SAP Faculty Training Workshop, Rolla, MO (6/5/2006 – 6/10/2006)

14. Chiu, Y.-H., 2005, Integrated Financial Management System, CIO Day, IT Magazine, Taipei, Taiwan, 2005

15. Chiu, Y.-H., 2004, SAP Business One and Emerging Enterprises, SAP Business One Field Kick-Off Meeting, SAP User Forum, Taipei, Taiwan, 2004

16. Lea, B-R, 2004, A Theory of Constraints-based Supply-Chain Performance Management Framework, Research Seminar, School of Management & Information Systems, April, 2004.

17. Lea, B-R, 2004, Prototype of Innovation Information Infrastructure, Kauffman Foundation, Kansas City, MO, February 2004.

Referred Book Chapter

1. Claybaugh, C. C., To Believe or Not to Believe a Call to Action: An Empirical Investigation of Source Credibility, Springer International Publishing Switzerland 2015, F. Fui-Hoon Nah and C.-H. Tan (Eds.): HCI in Business 2015, LNCS 9191, pp. 1–12, 2015.

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

3. Bublitz, M.G., Claybaugh, C.C., and Peracchio, L.A., 2008, Mirror, Mirror on the Web: Understanding Thin-Slice Judgments of Avatars, Virtual Social Identity and Consumer Behavior, published by the Society of Consumer Psychology.

Working Papers & White Papers

Madria, S., Lea, B-R, Sandel, D., 2014, Big Data Regional Hub for Smart Living Research, Education and Training, 2014, Big Data Regional Innovation Hubs, National Science Foundation, Nov. 1, 2014

Theses and Undergraduate Research

Graduate Student Thesis Advisor (view abstracts at http://erp.mst.edu/research/thesis)

Lea, B-R

1. Aditi Mishra (Spring 2011 – May 2013), Assessment of an Employee Enterprise Portal Using Dashboard Monitoring System: A Case Study

2. Ran Cai (Spring 2010 – August 2011), Improve Student Learning Outcome through Personal Response System

3. Rutuja Honnatti (spring 2010 – December 2011), Application of Performance Dashboards in Career Placement Service in Higher Education

4. Madhu Chopra (Fall 2009 – December 2010), Improve Commercialization Success using Performance Dashboards and Scorecards

5. Daniel Sequeira (Fall 2009 – December 2010), Role-Based Enterprise Portal and Corporate Governance: A Human Resource Portal Case Study

6. Y. P. Han (Fall 2009 – December 2010), Application of Performance Dashboard Technology in Transportation Infrastructure Management

7. Lin Zhu (Fall 2007 – December 2009), Impact of A Dashboard Based Corporate Performance Management system in an ERP Environment

8. Matt Kutz (Spring 2007 – May 2008), Toward Improving Performance Measurement in Public Sector Organizations: A Case Study

9. David Hall (Fall 2006 – Completed in May 2007), A Balanced Scorecard Prototype in Support of Strategic Decision Making in a State Department of Transportation

10. Prashanth Kannan (Fall 2004 –May 2006) , Designing, Managing And Evaluating A Social Network Based Information City For Innovation Success

11. Nisha Maguluru (Fall 2004 –December 2005), Social Networks: Role of Personalization and Interaction in Virtual Community for Enhancing Business

12. Senthil Kumar (Spring 2004 –August 2005), Measuring the Performance of Theory of Constraints based Supply Chain: A Simulation Study

13. Chris Brown (Spring 2004 –August 2005), Exploring Cooperative Learning in an Initial Computer Programming Course Using Visual Basic

<u>Yu, W.</u>

1. Nitsawan Katerattanaku (completed in 2010), A pilot study in an application of text mining to learning system evaluation

2. Aravindh Sekar (completed in 2011), Applying text mining in corporate spin-off disclosure statement analysis: understanding the main concerns and recommendation of appropriate term weights.

3. Prashanth Kannan (completed in 2006, Co-advisor: Bih-Ru Lea), Designing, managing and evaluation a social network based information city for innovation success

4. Balasubramanian Guruswamy (completed in 2006), A framework of text mining approach for sentiment analysis of news articles using information agents.

5. Shreyas Deokule (completed in 2005), A conceptual framework of using collaborative filtering algorithms to enhance keyword search.

Graduate Student Thesis Committee Member

<u>Lea, B-R,</u>

1. Aravindh Sekar (fall 2009 – 2011), Applying Text Timing in Corporate Spin-Off Disclosure Statement Analysis: Understanding The Main Concerns And Recommendation of Appropriate Term Weights

2. Nitsawan Katerattanakul (2008 – 2010), A pilot study in an application of text mining to learning system evaluation.

3. Janarthanan Eindhal Narasimhalu (fall 2005- January 2007), Creation of XML View and Propagation of Updates to Relational Database

4. Yashesh Chhaya (Spring 2005 – Fall 2007)

5. Dale Spence (Spring 2005 - December 2005)

6. Balasubramanian Guruswamy ((Fall 2004 –December 2005), A Framework of Text Mining Approach for Sentiment Analysis of News Articles Using Information Agents

7. Shreyas S. Deokule (Completed in August 2005), A Conceptual Framework of Using Collaborative Filtering Algorithms to Enhance Keyword Search

8. Aparna Jyothi Patsa (completed in January 2005), A Framework and Graphical User Interface (GUI) for Moving Object Simulation

9. Toby Kurien Thomas (completed in December 2004)

Undergraduate Research Project Advisor (**total funded amount: $21,000**, view abstracts at http://erp.mst.edu/research/undergraduateresearch)

<u>Lea, B-R</u>

1. Sean Howell, OURE Fellow project $1,500, (Fall 2014-Spring 2015), 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.

2. Montana Long, OURE Fellow project, $1,500, (Fall 2014-Spring 2015), Impact of Device, Demographics, and Skill-Set on Effectiveness and Efficiency of Enterprise Analytic Applications.

3. Thomas Cooper, OURE project, $1000, (Fall 2014-Spring 2015), Text Mining and Data Visualization in Big Data Context.

4. Patrick Witbrod, OURE project, $1,000, (Fall 2014), Improving Student Employee Tracking Through Performance Dashboards.

5. Mayela Roa-Correa, $1,000, (Fall 2014-Spring 2015), SDOWP Pre-College Programs Impact on the Completion Rates of Minority Students.
6. Brian Locke, OURE project $1,000, (Fall 2013 – Spring 2014), Realizing Competitive Advantages through Enterprise Mobile Strategies.
7. Ryan Roark, OURE project, $1,000, (Fall 2013 – Spring 2014), Impact of Industry Characteristics and Business Functions on Mobile Strategies.
8. Montana Long, OURE project, $1,000, (Fall 2013 – Spring 2014), Success Factors Identification for Enterprise Mobile Strategies: A Framework
9. Sean Howell, $1,000, (Fall 2013 – Spring 2014), Usability Framework of Performance Dashboard: A Case Study
10. John Volosin, OURE project, $1,000, (Fall 2012 – Spring 2013), Measuring Impact of a Banking and Insurance Performance Dashboard
11. Kyle Schraier, OURE project, $1,000, (Fall 2012 – Spring 2013), Design, Implementation, and Evaluation of U.S. Census Bureau Performance Dashboard
12. Ivy Miller, OURE project, $1,000, (Fall 2011 – Spring 2012), Impact of Performance Dashboards on Strategic Alignment: An AACSB Accreditation Case
13. Thomas Maerz, OURE project, $1,000, (Fall 2011 – April 2012), The Role of Employee Portal in Corporate Strategic Governance: Portal Strategies and Implementation Tactics
14. Pamela Ryder, OURE project, $1,000, (Fall 2011 – December 2011), The Role of Employee Portal in Corporate Strategic Governance
15. Samantha Riechers, Pelleg, Yael (October 2011 – May 2012)
16. Jonathan Freeman, OURE project, $1,000, (Spring 2011 – December 2011), Improve Strategic Alignment through Performance Dashboards: A Case Study
17. Joseph Pieczynski, OURE project, $1,000, (Spring 2010 – May 2011), Virtual Communities In An Enterprise Portal And The Effect On Corporate Governance For Generation Y
18. Ivy Miller, Jonathan Freeman, Joseph Pieczynski, Steven Pringle (Fall 2010 – December 2011)
19. Joseph Pieczynski, Pamela Ryder, Carl Schmitz (August 2009 – December 2009)
    o 3rd Place, Research Oral Presentation Competition, 2011 Undergraduate Research Conference
    o Best Bibliography Award, 2011 Undergraduate Research Conference
20. Jasmane Boyd (August 2009 – December 2009)
21. Kristen Duvell, OURE project, $1,000, (Fall 2006 –Spring 2007), Feasibility of Opening a Coffee and Tea House in Rolla, Missouri
    o 3rd Place, Research Poster Competition, 2007 Undergraduate Research Conference
22. Lisa Liou, OURE project, $1,000, (Fall 2005 –Spring 2006), Market Trend Analysis For Computer Integrated Software Design Industry
23. Bonnie Yates, OURE project, $1,000, (FS2004 –Spring 2005), An Overview of Security Issues in a Digital City
    o 3rd Place, Research Poster Competition, 2005 Undergraduate Research Conference
24. Nguyet Nguyen, Opportunity for Undergraduate Research OURE project, $1,000, (FS2004 –Spring 2005), The Impact of RFID Technology on Supply Chain Management