

**Publications by Current Faculty
of the Department of MIS, Operations Management and
Decision Sciences**

**Books, Chapters and Refereed Journal Articles,
Organized by Author**

January 2012 - December 2016

Chen, Lijian

Refereed Journal Articles

- Chen, L. (2015). Preprocessing of Sample Average Approximation for Stochastic Programming. *Stochastic Programming E-Print Series*, 2015(1).
- Chen, L. (2015). A Simulation Based Approach to Solve a Specific Type of Chance Constrained Optimization. *Stochastic Programming E-Print Series*, 2015(1).
- Chen, L., Li, S., Wang, L. (2014). Capacity Planning with Financial and Operational Hedging in Low-Cost Countries. *Production and Operations Management*, 23(9), 1495-1510.
- Chen, L., Sun, D., Chiang, W., He, S. (2014). Purposeful Underestimation of Demands for the Airline Seat Allocation with Incomplete Information. *International Journal of Revenue Management*, 8(1), 34-55.
- Wei, P., Chen, L., Sun, D. (2014). Algebraic Connectivity Maximization of an Air Transportation Network: The Flight Routes' Addition/Deletion Problem. *Transportation Research Part E: Logistics and Transportation Review*, 61, 13-27.
- Chen, L., Sun, D., Li, G. (2012). Ancillary Service Capacity Optimization for Both Electric Power Suppliers and Independent System Operator. *Energy Systems*, 3(2), 109-132.
- Sun, L., Heragu, S., Chen, L., Spearman, M. (2012). Comparing Dynamic Risk-based Scheduling Methods with MRP via Simulation. *International Journal of Production Research*, 50(4), 921-937.

Enns, Harvey G.

Refereed Journal Articles

- Yu, W., Jacobs, M., Salisbury, W. D., Enns, H. (2013). The Effects of Supply Chain Integration on Customer Satisfaction and Financial Performance. *International Journal of Production Economics*, 146(1), 346-358.
- Enns, H., McDonagh, J. J. (2012). Irish CIOs' Influence on Technology Innovation & IT-Business Alignment. *Communications of the AIS*, 30.
- Ferratt, T. W., Prasad, J., Enns, H. (2012). Synergy and Its Limits in Managing Information Technology Professionals. *Information Systems Research*, 23(4), 1175-1194.
- Hallinan, K., Enns, H., Broderick, P., Lammers, N., Hanus, N., Rembert, M., Rainsberger, T. (2012). Energy Information Augmented, Community-Based Energy Reduction. *Sustainability*, 4(7), 1371-1396.

Ferratt, Thomas W.

Book Chapters

- Ferratt, T. W., Trauth, E. M. (2014). IS/IT Human Resource Development and Retention. In Topi, H., Tucker, A. (Ed.), *Information Systems and Information Technology, Volume 2 (Computing Handbook Set, Third Edition)* edited by Topi, H., Tucker, A.. Boca Raton, FL: Taylor & Francis.

Refereed Journal Articles

- Ferratt, T. W., Hall, S., Kanet, J. J. (2016). Out of the Fog: A Program Design for Understanding Alternative Career Choices: Examples in Management Information Systems and Operations Management. *Communications of the Association for Information Systems*, 38(1), 106-121.
- Niederman, F., Ferratt, T. W., Trauth, E. M. (2016). On the Co-Evolution of Information Technology and Information Systems Personnel. *The DATA BASE for Advances in Information Systems*, 47(1), 29-50.
- Salisbury, W. D., Ferratt, T. W., Wynn, D. E. (2015). Assessing the Emphasis on Information Security in the SA&D Course. *Communications of the Association for Information Systems*, 36(1), 337-356.
- Ferratt, T. W., Prasad, J., Enns, H. (2012). Synergy and Its Limits in Managing Information Technology Professionals. *Information Systems Research*, 23(4), 1175-1194.

Gorman, Michael F.

Book Chapters

Gorman, M. (2015). Empty Railcar Distribution. In Patty, B. (Ed.), *Handbook of Operations Research Applications at Railroads*. New York, New York: Springer.

Gorman, M. (2015). Operations Research in Rail Pricing and Revenue Management. In Patty, B. (Ed.), *Handbook of Operations Research Applications at Railroads*. New York, New York: Springer.

Refereed Journal Articles

Gorman, M. (2016). The 11th Rothkopf Rankings: 28 Years of Tracking Applied Research in Academia. *Interfaces*, 46(3), 264-276.

Gorman, M. (2016). From Magnum Opus to Mea Culpa: A Cautionary Tale of Lessons Learned from a Failed Decision Support System. *Interfaces*, 46(2), 183-195.

Gorman, M. (2016). A “Metasurvey” Analysis in Operations Research and Management Science: A Survey of Literature Reviews. *Surveys in Operations Research and Management Science*. 21(1), 18-28.

Camm, J. D., Cochran, J. J., Gorman, M. F. (2015). A Survey of Academic Use of *Interfaces*. *Interfaces*, 45(2), 187-195.

Gorman, M., Ball, T. (2015). ChemStation Embarks on a New Approach to Customer Delivery. *Interfaces*, 45(6), 567-571.

Gorman, M., Clarke, J., Ghargazoli, A., Hewitt, M., de Koster, R., Roy, D. (2014). State of the Practice: A Review of the Application of OR/MS in Freight Transportation. *Interfaces*, 44(6), 535-554.

Gorman, M., Klimburg, R. J. (2014). Benchmarking Academic Programs in Business Analytics. *Interfaces*, 44(3), 329-341.

Stoesslein, M., Kanet, J. J., Gorman, M., Minner, S. (2014). Time-Phased Safety Stocks Planning and Its Financial Impacts: Empirical Evidence Based on European Econometric Data. *International Journal of Production Economics*, 149, 47-55.

Gorman, M. (2013). Integrating Strategic and Tactical Rolling Stock Models with Cyclical Demand. *Journal of Transportation Technologies*, 3(2), 162-173.

Gorman, M., Wynn, D. E., Salisbury, W. D. (2013). Searching for Herbert Simon: Extending the Reach and Impact of Business Intelligence Research through Analytics. *International Journal of Business Intelligence Research*, 4(1), 1-12.

Gorman, M. (2012). Analytics, Pedagogy and Pass the Pigs Game. *INFORMS Transactions on Education*, 13(1), 57-64.

Hall, Stephen R.

Refereed Journal Articles

Ferratt, T. W., Hall, S., Kanet, J. J. (2016). Out of the Fog: A Program Design for Understanding Alternative Career Choices: Examples in Management Information Systems and Operations Management. *Communications of the Association for Information Systems*, 38(1), 106-121.

Jacobs, Mark A.

Refereed Journal Articles

Chavez, R., Yu, W., Jacobs, M., Feng, M. Manufacturing Capability and Organizational Performance: The Role of Entrepreneurial Orientation. *To appear in International Journal of Production Economics*.

Wantao, Y., Jacobs, M., Chavez, R., Feng, M. The Impacts of IT Capability and Marketing Capability on Supply Chain Integration: A Resource-based perspective. *To appear in International Journal of Production Research*.

Jacobs, M., Yu, W., Chavez, R. (2016). The Effect of Internal Communication and Employee Satisfaction on Supply Chain Integration. *International Journal of Production Economics*, 171(1), 60-70.

Chavez, R., Yu, W., Jacobs, M., Weingarten, F., Fynes, B. (2015). Internal Lean Practices and Performance: The Role of Technological Turbulence. *International Journal of Production Economics*, 160(1), 157-171.

Durmusoglu, S. S., Jacobs, M., Nayir, D. Z., Khilji, S. E., Wang, X. (2014). The Quasi-Moderating Role of Organizational Culture in the Relationship between Rewards and Knowledge Shared and Gained. *Journal of Knowledge Management*, 18(1), 19-37.

Jacobs, M. (2013). Complexity: Toward an Empirical Measure. *Technovation*, 33(4-5), 111-118.

Yu, W., Jacobs, M., Salisbury, W. D., Enns, H. (2013). The Effects of Supply Chain Integration on Customer Satisfaction and Financial Performance. *International Journal of Production Economics*, 146(1), 346-358.

Droge, C., Vickery, S. K., Jacobs, M. (2012). Does Supply Chain Integration Mediate the Relationship between Product/Process Strategy and Service Performance? An Empirical Study. *International Journal of Production Economics*, 137(2), 250-262.

Kanet, John J.

Refereed Journal Articles

- Kanet, J. J., Wells, C. An Examination of Job Interchange Relationships and Induction-based Proofs in Single Machine Scheduling. *To appear in Annals of Operations Research*.
- Barut, M., Soares, M. A., Procopio de Araujo, A. M., Kanet, J. J. (2016). Problem-based Learning in Accountancy: An Empirical Study. *IOSR Journal of Research & Method in Education*, 6(6), 50-58.
- Ferratt, T. W., Hall, S., Kanet, J. J. (2016). Out of the Fog: A Program Design for Understanding Alternative Career Choices: Examples in Management Information Systems and Operations Management. *Communications of the Association for Information Systems*, 38(1), 106-121.
- Stoesslein, M., Kanet, J. J. (2016). Undergraduate Research Experiences: Identifying Lessons Learned and Challenges for Business Schools. *International Journal of Management Education*, 14(3), 349-367.
- Kanet, J. J. (2014). Toward Controlling the Planning of Operations: An Accounting Scheme for Planned Inventory. *Journal of Management Policy and Practice*, 15(5), 54-64.
- Kanet, J. J., Della Croce, F., Koulamas, C., Tkindt, V. (2014). One-Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons. *Operations Research*, 62(2), 345-347.
- Stoesslein, M., Kanet, J. J., Gorman, M., Minner, S. (2014). Time-Phased Safety Stocks Planning and Its Financial Impacts: Empirical Evidence Based on European Econometric Data. *International Journal of Production Economics*, 149, 47-55.
- Harrod, S., Kanet, J. J. (2013). Applying Work Flow Control in Make-to-Order Job Shops. *International Journal of Production Economics*, 143(2), 620-626.
- Kanet, J. J., Birkemeier, C. (2013). Weighted Tardiness for the Single Machine Scheduling Problem: An Examination of Precedence Theorem Productivity. *Computers & Operations Research*, 40(1), 91-97.

Prasad, Jayesh

Refereed Journal Articles

- Ferratt, T. W., Prasad, J., Enns, H. (2012). Synergy and Its Limits in Managing Information Technology Professionals. *Information Systems Research*, 23(4), 1175-1194.

Salisbury, Wm. D.

Refereed Journal Articles

- Salisbury, W. D., Ferratt, T. W., Wynn, D. E. (2015). Assessing the Emphasis on Information Security in the SA&D Course. *Communications of the Association for Information Systems*, 36(1), 337-356.
- Gorman, M., Wynn, D. E., Salisbury, W. D. (2013). Searching for Herbert Simon: Extending the Reach and Impact of Business Intelligence Research through Analytics. *International Journal of Business Intelligence Research*, 4(1), 1-12.
- Yu, W., Jacobs, M., Salisbury, W. D., Enns, H. (2013). The Effects of Supply Chain Integration on Customer Satisfaction and Financial Performance. *International Journal of Production Economics*, 146(1), 346-358.

Wells, Charles E.

Refereed Journal Articles

- Kanet, J. J., Wells, C. An Examination of Job Interchange Relationships and Induction-based Proofs in Single Machine Scheduling. *To appear in Annals of Operations Research*.
- Wells, C. (2015). Bounds on Uptime Distribution Based on Aging for Systems with Finite Lifetimes. *Annals of Operations Research*, 235(1), 757-769.
- Wells, C. (2014). Reliability Analysis of a Single Warm-standby System Subject to Repairable and Nonrepairable Failures. *European Journal of Operational Research*, 235(1), 180-186.
- Wells, R., Wells, C. (2012). Systems-designed Graduate Program Review. *Research in Higher Education Journal*, 16, 1-23.

Wynn, Donald E.

Refereed Journal Articles

- Wynn, D. E., Pratt, R. M. (2016). Challenges to Maximizing the Value of Future Innovation in Big Data Analytics. *Cutter IT Journal*, 29(6).
- Wynn, D. E., Pratt, R. M. (2016). Exploratory, Embedded, Enabled: The Three E's of IoT Data Management Maturity. *Cutter IT Journal*, 29(4).
- Salisbury, W. D., Ferratt, T. W., Wynn, D. E. (2015). Assessing the Emphasis on Information Security in the SA&D Course. *Communications of the Association for Information Systems*, 36(1), 337-356.

Wynn, D. E., Pratt, R. M. (2015). Slushie World: An In-class Access Database Tutorial. *Information Systems Education Journal*, 13(2), 8-13.

Williams, C. K., Wynn, D. E., Madupali, R., Karahanna E., Duncan, B. K. (2014). Explaining Users' Security Behaviors with the Security Belief Model. *Journal of Organizational and End User Computing*, 26(3), 23-46.

Wynn, D. E., Pratt, R. M. E. (2014). The Promises and Challenges of Innovating Through Big Data and Analytics in Healthcare. *Cutter IT Journal*, 27(4), 12-19.

Gorman, M., Wynn, D. E., Salisbury, W. D. (2013). Searching for Herbert Simon: Extending the Reach and Impact of Business Intelligence Research through Analytics. *International Journal of Business Intelligence Research*, 4(1), 1-12.

Bradley, R. V., Pratt, R. M. E., Byrd, T. A., Outlay, C. N., Wynn, D. E. (2012). Enterprise Architecture, IT Effectiveness, and the Mediating Role of IT Alignment in US Hospitals. *Information Systems Journal*, 22(2), 97-127.

Wynn, D. E., Williams, C. K. (2012). Principles for Conducting Critical Realist Case Study Research in Information Systems. *MIS Quarterly*, 36(3), 787-810.