

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

Books, Chapters and Refereed Journal Articles,
Organized by Author

January 2013 - December 2017

Chen, Lijian

Refereed Journal Articles

- Chen, L. A Polynomial Approximation-Based Approach for Chance-Constrained Optimization. *To appear in Optimization Methods & Software.*
- Chen, J., Chen, L., Sun, D. (2017). Air Traffic Flow Management Under Uncertainty Using Chance-Constrained Optimization. *Transportation Research Part B: Methodological*, 102(August), 124-141.
- 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.

Dunne, E. James

Refereed Journal Articles

Ferratt, T. W., Prasad, J., Dunne, E. J. Fast and Slow Processes Underlying Theories of Information Technology Use. *To appear in the Association for Information Systems*.

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.

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., Prasad, J., Dunne, E. J. Fast and Slow Processes Underlying Theories of Information Technology Use. *To appear in the Association for Information Systems*.

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.

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. (2017). A Survey of Research in Field-Based Education: A Summary of Process, Best Practices, and Lessons Learned. *INFORMS Transactions on Education*. <https://pubsonline.informs.org/doi/pdf/10.1287/ited.2017.0181>.

Gorman, M., Conway, D. G. (2017). A Tutorial of Integrating Duality and Branch and Bound in Earliness-Tardiness Scheduling with Idle Insertion Time Problems. *International Journal of Production Research*, 56(1-2), 1-16.

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

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.

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.

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

Yu, W., Chavez, R., Jacobs, M. A., Feng, M. Data-driven Supply Chain Capabilities and Performance: A Resource-based View. *To appear in Transportation Research Part E*.

Chaves, R., Yu, W., Jacobs, M. A., Feng, M. (2017). Data-driven Supply Chains, Manufacturing Capability and Customer Satisfaction. *Production Planning and Control*, 28(11-12), 906-918.

Chavez, R., Yu, W., Jacobs, M., Feng, M. (2017). Manufacturing Capability and Organizational Performance: The Role of Entrepreneurial Orientation. *International Journal of Production Economics*, 184(1), 33-46.

Wantao, Y., Jacobs, M., Chavez, R., Feng, M. (2017). The Impacts of IT Capability and Marketing Capability on Supply Chain Integration: A Resource-based Perspective. *International Journal of Production Research*, 55(14), 4196-4211.

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.

Kanet, John J.

Refereed Journal Articles

- Kanet, J. J., Wells, C. (2017). An Examination of Job Interchange Relationships and Induction-based Proofs in Single Machine Scheduling. *Annals of Operations Research*, 253(1), 345-351.
- 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., Della Croce, F., Koulamas, C., T'kindt, V. (2015). Erratum: One-Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons. *Operations Research*, 63(2), 351-352.
- Kanet, J. J., Della Croce, F., Koulamas, C., T'kindt, V. (2014). One-Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons. *Operations Research*, 62(2), 345-347.
- 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.
- 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., Dunne, E. J. Fast and Slow Processes Underlying Theories of Information Technology Use. *To appear in the Association for Information Systems*.

Raman, Roopa

Refereed Journal Articles

Raman, R., Green, K. (2017). Multi-level Factors Affecting Timely Electronic Documentation of Medication Administration: A Hierarchical Linear Modeling Approach. *Health Systems Journal*, 6(2), 171-185.

Green, K., Raman, R. (2014). Innovation Hit Rate, Product Advantage, Innovativeness, and Firm Performance. *International Journal of Innovation Management*, 18(5), 1-34.

Grover, V., Sabherwal, R., Raman, R., Gokhale, R. (2014). Information Politics: Strategies and Counterstrategies. *International Journal of Information Systems and Management*, 1(1/2), 3-36.

Grover, V., Raman, R., Stubblefield, A. (2014). What Affects Citation Counts in MIS Research Articles? An Empirical Investigation. *Communications of the Association for Information Systems*, 34(75), 1435-1456.

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. (2017). An Examination of Job Interchange Relationships and Induction-based Proofs in Single Machine Scheduling. *Annals of Operations Research*, 253(1), 345-351.

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.

Wynn, Donald E.

Refereed Journal Articles

Wynn, D. E. Dragon Air: A Database Design Case. *To appear in Information Systems Education Journal*.

Pratt, R., Smatt, C., Wynn, D. E. (2017). Tourism through Travel Club: A Database Project. *Information Systems Education Journal*, 15(2), 40-47.

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.