

University of Dayton School of Business Administration

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

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

January 2011 – June 2016

Chen, Lijian

Refereed Journal Articles

- Chen, L. (2015). Clustering of Sample Average Approximation for Stochastic Programming. *Stochastic Programming E-Print Series, 2015(7)*.
- Chen, L. (2015). A Simulation Based Approach to Solve a Specific Type of Chance Constrained Optimization. *Stochastic Programming E-Print Series, 2015(1)*.
- 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., 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.
- Chen, L., Sun, D., Li, G. (2012). Ancillary Service Optimization for Both Electricity Supplier 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.
- Pfendt, A., Boyoglu, S., Chen, L., Singh, S., Willing, G. (2011). Adhesive and Mechanical Properties of RSV Infected Human Epithelial Cells. *Journal of Adhesion Science and Technology, 25*, 521-535.

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.

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.

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.

Enns, H., McFarlin, D., Sweeney, P. D. (2011). How CIOs Overcome the Competing Values Challenge. *Communications of the AIS*, 28(1), 549-560.

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

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.

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.

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., Ball, T. (2015). ChemStation Embarks on a New Approach to Customer Delivery. *Interfaces*, 45(6), 567-571.
- Camm, J. D., Cochran, J. J., Gorman, M. F. (2015). A Survey of Academic Use of *Interfaces*. *Interfaces*, 45(2), 187-195.
- 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.
- Gorman, M. (2012). Analytics, Pedagogy and Pass the Pigs Game. *INFORMS Transactions on Education*, 13(1), 57-64.
- Gorman, M., Kanet, J. J., Christ, D. (2011). Evaluating Transportation Journal Quality Using the Author Affiliation Index. *Transportation Journal*, 50(4), 370-389.
- Gorman, M., Crook, K., Sellers, D. (2011). North American Freight Rail Industry Real-time Optimized Equipment Distribution Systems: State of the Practice. *Transportation Research, Part C*, 19(1), 103-114.
- Gorman, M. (2011). Student Reactions to the Field Consulting Capstone Course in Operations Management at the University of Dayton. *Interfaces*, 41(6), 564-577.
- Gorman, M., Kanet, J. J. (2011). A Survey Based Evaluation of Transportation Research Journal Quality. *Transportation Journal*, 50(4), 390-415.
- Gorman, M., Kanet, J. J. (2011). Toward a Better Understanding of the Bullwhip Effect. *Production and Inventory Management Journal*, 47(1), 33-42.

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

- 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*, 19(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.
- Jacobs, M., Droge, C., Vickery, S., Calentone, R. (2011). The Effect of Product and Process Modularity on Agility and Firm Growth Performance. *Journal of Product Innovation Management*, 28(1), 124-138.
- Jacobs, M., Swink, M. (2011). Product Portfolio Architectural Complexity and Operational Performance: Incorporating the Roles of Learning and Fixed Assets. *Journal of Operations Management*, 29(8), 677-691.

Kanet, John J.

Refereed Journal Articles

- Kanet, J. J., Della Croce, F., Koulamas, C., T'kindt, V. Erratum: One Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons. *To appear in Operations Research*.
- 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.
- Kanet, J. J. (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.
- 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.

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.

Gorman, M., Kanet, J. J., Christ, D. (2011). Evaluating Transportation Journal Quality Using the Author Affiliation Index. *Transportation Journal*, 50(4), 370-389.

Li, X., Sridharan, V., Kanet, J. J., Zhang, Y. (2011). Job Due-Date Assignment with Earliness and Tardiness Penalties and Stochastic Arrival and Service Times. *International Journal of Advanced Operations Management*, 3(2), 141-152.

Gorman, M., Kanet, J. J. (2011). A Survey Based Evaluation of Transportation Research Journal Quality. *Transportation Journal*, 50(4), 390-415.

Gorman, M., Kanet, J. J. (2011). Toward a Better Understanding of the Bullwhip Effect. *Production and Inventory Management Journal*, 47(1), 33-42.

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.

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.

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.

Salisbury, W. D., Miller, D. W., Turner, J. M. (2011). On Contending with Unruly Neighbors in the Global Village: Viewing Information Systems as Both Weapon and Target. *Communications of the AIS*, 28(1), 295-312.

Wells, Charles E.

Refereed Journal Articles

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.

Wells, R., Wells, C. (2011). Academic Program Portfolio Model for Universities: Guiding Strategic Decisions and Resource Allocations. *Research in Higher Education Journal*, 11(June 2011), 46-64.

Wynn, Donald E.

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.

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.