

Teaching

Executive Education

- 2012 – Present **Managerial Decision Analysis**, Kellogg-Schulich Executive MBA Program, Kellogg Business School, Northwestern University and Schulich School of Business, York University
- 2012 – Present **Introduction to Business Analytics**, Schulich Executive Education Centre, York University

Master's Level

- 2012 – Present **OMIS 6000 Operations Research**, MBA Program, Schulich School of Business,
- 2013 – Present **MSBA 6400 Multivariate Business Analytics**, Master of Business Analytics, Schulich School of Business, York University

PhD Level

- 2009 – Present **OMIS 7300 Empirical Research Methods in Operations Management**, PhD Program, Schulich School of Business, York University
- 2011 – 2012 **DCAD 7250 Research Design**, Schulich School of Business, PhD Program, Schulich School of Business, York University

Undergraduate Level

- 2003 – 2004 **BA 130 Operations Management**, Kenan-Flagler Business School, University of North Carolina at Chapel Hill
- 2005 – 2006 **OMIS 3010 Management Science: Modeling and Analysis**, Schulich School of Business, York University
- 2007 – 2008 **OMIS 2010 Management Science: Modeling and Analysis**, Schulich School of Business, York University
- 2008 – 2010 **OMIS 4565 Supply Chain Management**, Schulich School of Business, York University

Refereed Publications, Grants and Presentations

Refereed Research Publications

Sawaya, W.J., Pathak, S.D., **Kristal, M.M.** Day, J.M. 2014. Sensing abnormal resource flow using adaptive limit process charts in a complex supply network, **Decision Sciences** (*forthcoming*)

Ahmed, M.U., **Kristal, M.M.** Pagell, M. 2014. Impact of operational and marketing capabilities on firm performance: Evidence from economic growth and downturns. **International Journal of Production Economics** (*forthcoming*).

Pagell, M., **Kristal, M.M.** 2011. Is the supply chain management file drawer empty? **The Journal of Supply Chain Management**, 47(4), 3–10.

Kristal, M.M., Pagell, M., Yang, C., Sheu, C. 2011. Are supply chain management theories culturally constrained? An empirical assessment, **Operations Management Research**, 4(1-2), 61–73.

Kristal, M.M., Huang, X., Schroeder, R.G. 2010. Effect of quality management practices on mass customization capability, **International Journal of Operations and Production Management**, 30(9), 900–922.

Kristal, M.M., Roth, A.V., Huang, X. 2010. The Effect of an ambidextrous supply chain strategy on combinative competitive capabilities and business performance **Journal of Operations Management**, 28(5), 415–429.

Huang, X., **Kristal, M.M.**, Schroeder, R.G. 2010. The impact of organizational structure on mass customization capability: A contingency view, **Production and Operations Management**, 19(5), 515–530.

Jayanthi, S., Roth, A.V., **Kristal, M.M.**, Roth, L.C., 2009. Strategic resource dynamics of manufacturing firms, **Management Science**, 55 (6), 1060–1076

Huang, X., **Kristal, M.M.**, Schroeder, R.G. 2008. Linking learning and effective process implementation to mass customization capabilities, **Journal of Operations Management**, 26(6), 714–729.

Johnston, D.A., **Kristal, M.M.** 2008. The climate for supply chain cooperation: The impact of buyer and supplier beliefs on behavior, **International Journal of Operations and Production Management**, 28(9), 875– 898.

Menor, L., **Kristal, M.M.**, Rosenzweig E. 2007. Examining the influence of operational intellectual capital on capabilities and performance, **Manufacturing & Service Operations Management**, 9(4), 559–578.

Pathak, S.D., Day, J.M. , Nair, A., Sawaya, W.J., **Kristal, M.M.** 2007. Complexity and adaptivity in supply networks: Building supply network theory using a complex adaptive systems perspective, **Decision Sciences**, 38(4), 547–580.

Research Grants

Kristal, M.M. 2014. Developing Business Analytics Capability for Competitive Advantage, SSHRC Insight Development Grants Competition (\$73,394 CAD).

Papers Under Review

Johnson, T.D., **Kristal, M.M.**, Kaminer, O., Biehl, M., Joshi, A. Working Smarter: The Effects of Absorptive Capacity, Employee Integration and Environmental Strategy on Plant Performance, under review at Journal of Supply Chain Management

Ahmed, M.U., **Kristal, M.M.**, Pagell, M., Gattiker, T. Elements of Inter-firm Integration: A Peek Inside the Supply Chain Integration Blackbox, under review at International Journal of Production Economics

Working Papers

Roth, A.V., **Kristal, M.M.**, Johnson, T.D. The effect of supply chain absorptive capacity on competitive capabilities and firm performance

Published Research Books

Roth, A. V., Schroeder, R., Huang, X., **Kristal, M.M.** 2008. *Measurement Scales for Operations Management*, Sage Publications, Thousand Oaks, CA.

Refereed Academic Conference Presentations

Ahmed, M.U., **Kristal, M.M.**, Pagell, M. The Impact of functional importance and capability during growth and recession: Operations and marketing compared, POMS Annual Meeting, Chicago, IL, 2012 (published at the conference proceedings)

Johnston, D.A., **Kristal, M.M.** Differences between buyer & supplier beliefs about strategy in cooperative relationships, EUROMA Annual Meeting, Ankara, Turkey, 2007.

Kristal, M.M., Roth, A.V. Effect of supply chain adaptivity on combinative competitive capabilities and business performance, Academy of Management Annual Meeting, Honolulu, HI, 2005.

Kristal, M.M., Roth, A.V. Measurement of supply chain base adaptivity, MSOM Annual Meeting, Evanston, IL, 2005.

Kristal, M.M., Roth A.V., Swaminathan, J. Effect of product variety and technology on manufacturing performance: Evidence from the semiconductor industry, Academy of Management Annual Meeting, Seattle, WA, 2003.

Non-Refereed Academic Conference Presentations

Johnston, T., Kristal, M.M., Biehl, M., Kaminer, O., Joshi, A. Supplier environmental investment strategies, buyer actions and plant performance, POMS Annual Meeting, Atlanta, GA, 2014.

Ahmed, M.U., **Kristal, M.M.**, Pagell, M. The Impact of functional importance and capability during growth and recession: Operations and marketing compared, Decision Sciences, San Francisco, CA, 2012

Ahmed, M.U., **Kristal, M.M.**, Pagell, M. The Impact of functional importance and capability during growth and recession: Operations and marketing compared, Decision Sciences, Boston, MA, 2011

Sawaya, W.J., Pathak, S.D., Day, J., and **Kristal, M.M.**, Utilizing adaptive limit control charts to identify significant events in supply networks. POMS Annual Meeting, Reno, NV, 2011

Day, J.D., **Kristal, M.M.**, Pathak, S.D., Sawaya, W.J. Adaptive inventory management: Lessons from a humanitarian aid setting, DSI Annual Meeting, New Orleans, LA, 2009.

Johnson, T., Roth, A.V., **Kristal, M.M.** Supply chain absorptive capacity, DSI Annual Meeting, New Orleans, LA, 2009.

Kristal, M.M., Roth, A.V., The effect of an ambidextrous supply chain strategy on operations agility and business performance, POMS Annual Meeting, La Jolla, CA, 2008.

Huang, X., **Kristal, M.M.**, Schroeder, R.G., The impact of organizational structure on mass customization capability: A contingency view, POMS Annual Meeting, La Jolla, CA, 2008.

Kristal, M.M., Huang, X., Rungtusanatham, M., Schroeder, R.G., An exploratory study of business performance of customizers, POMS Annual Meeting, La Jolla, CA, 2008.

Kristal, M.M., Roth, A.V., Effect of adaptive supply chain learning on strategic agility and business performance, INFORMS Annual Meeting, Seattle, WA, 2007.

Huang, X., **Kristal, M.M.**, Schroeder, R.G., Effect of total quality practices on mass customization, POMS Annual Meeting, Dallas, TX, 2007.

Johnston, D.A., **Kristal, M.M.**, Exploration and exploitation in buyer-supplier relationships, POMS Annual Meeting, Boston, MI, 2006.

Acur, N., **Kristal, M.M.**, The effect of the alignment between NPD capabilities, supply chain and manufacturing strategies on business performance, POMS Annual Meeting, Boston, MI, 2006.

Kristal, M.M., Roth, A.V. A contingency approach to supply chain base adaptivity, INFORMS Annual Meeting, San Francisco, CA, 2005.

Kristal, M.M., Roth, A.V. Effect of supply chain base adaptivity on business performance, POMS Annual Meeting, Chicago, IL, 2005.

Kristal, M.M., Roth, A.V. Supply chain adaptivity, DSI Annual Meeting, Washington, DC., 2003.

Kristal, M.M., Roth, A.V. Adaptive supply chain networks: From theory to application, INFORMS Annual Meeting, Atlanta, GA, 2003.

Kristal, M.M., Roth A.V., Swaminathan, J. Effect of product variety, complexity and technology on manufacturing performance: Evidence from the semiconductor industry, EURO-INFORMS Annual Meeting, Istanbul, Turkey, 2003.

Kristal, M.M., Roth A.V., Swaminathan, J. An assessment of manufacturing strategies in the semiconductor industry, POMS Annual Meeting, Savannah, GA, 2003.

Kristal, M.M., Roth A.V., Swaminathan, J. Effect of product variety and technology on manufacturing performance: Evidence from the semiconductor industry, INFORMS Annual Meeting, San Jose, CA, 2002.

Awards and Scholarships

Kristal, M.M. Outstanding Paper Award Winner for the article titled “The effect of quality management on mass customization capability” with X. Huang, and R.G. Schroeder at the Literati Network Awards for Excellence 2011.

Kristal, M.M. JOM 2011 Best Paper Finalist for the article titled “The effect of an ambidextrous supply chain strategy on combinative competitive capabilities and business performance” with X. Huang, and A.V. Roth.

Kristal, M.M. Highly Commended Paper Award Winner for the article titled “The climate for supply chain cooperation: The impact of buyer and supplier beliefs on behavior”, with D. Johnston at the Literati Network Awards for Excellence 2009.

Kristal, M.M. Best Dissertation Proposal Award, The International Society of Logistics, SOLE, 2004.

Kristal, M.M. Best Student Paper Award, the Academy of Management, Operations Management Division, 2003.

Kristal, M.M. Finalist in the Juran Fellowship given by The Juran Center for Leadership in Quality at University of Minnesota, 2003.

Kristal, M.M. SAP Doctoral Fellow, UNC-SAP Alliance, 2003.

Kristal, M.M. University scholarship for tuition waiver for MBA from Bilkent University, Ankara, Turkey, 1998–2000.

Academic Services

Doctoral Consortium Co-Chair: 2014 DSI Annual Conference

Associate Program Chair: 2012 DSI Annual Conference

Track Co-Chair: Supply Chain Management Track, for DSI Annual Conference, 2010.

Special Issue Editor with Mark Pagell, and Kate Blackmon for Journal of Supply Chain Management on Non-Significant and Contradictory Results.

Senior Editor for Production and Operations Management Journal

Member of Editorial Review Boards of Decision Sciences, Journal of Supply Chain Management, and Journal of Operations Management.

Academic reviewer for *Manufacturing & Service Operations Management*, *Journal of Operations Management*, *Management Science*, *Decision Sciences Journal*, *International Journal of Operations and Production Management*.

Professional / Industry Experience

2009 - Present	Management Consulting on Business Analytics Private Consulting Practice, Toronto, Canada
1999 – 2000	Civil Aviation and Airport Engineer Directorate General of Civil Aviation of Turkey, Ankara, Turkey
1998 – 1999	Civil Engineer TABAR Construction and Consulting Co., Ankara, Turkey