

Mitchell A. Millstein
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Express Scripts Hall, 206

Education

Doctor of Philosophy – Business Administration (2014)

University of Missouri – St. Louis

St. Louis, MO

Emphasis in Logistics & Supply Chain Management and minor in Marketing

Masters of Business Administration (1996)

Washington University – Olin School of Business

St. Louis, MO

Bachelors of Science – Materials Engineering (1988)

Rutgers University – College of Engineering

New Brunswick, NJ

Professional Experience

Supply Velocity (1998 – current)

St. Louis, MO

Founder and President

- Lean Six Sigma education and implementation
- Performance measurement implementation
- Supply chain strategy development and implementation
- Implemented 465 projects for 104 clients

Air Products (1990 – 1998)

Allentown, PA

Applications Engineer (1990 – 1993)

- Develop applications for use of oxygen and nitrogen in glass production

Design Engineer (1993 – 1996)

- Designed and managed development of air separation systems using permeable membrane technology

Materials Manager (1996 – 1998)

- Responsible for purchasing, supplier negotiations and materials management in support of membrane module production and outsourced machine assembly

PPG Industries (1988 – 1990)

Wichita Falls, TX

Production Engineer

- Responsible for technical performance of glass melting operations

Noted Consulting Engagements

Anheuser Busch

Packaging and container production

- Implemented lean manufacturing in label printing operations

Bunge Limited

Agribusiness

- Conduct twice-yearly lean six sigma workshop for middle managers
 - 612 middle managers within Bunge North America have completed this workshop
- Conduct advanced lean six sigma training for productivity managers
- Keynote speaker at Annual Purchasing Conferences

DRS Technologies

Defense systems design and production

- Implemented 70 supply chain optimization projects from 2000 through 2014

Johnson & Johnson

Wound closure systems division

- Redesigned new product development process

American Red Cross

Disaster relief and health/safety education

- Streamlined health and safety education delivery process at chapters in St. Louis, Dallas, Houston and NYC

Emerson

Industrial equipment

- Provided education and facilitation on lean manufacturing to the motor and appliance controls division

Total Hockey

Specialty sporting goods retailer/e-tailer

- Improved inventory management, including SKU reduction and optimal inventory levels, given budget constraint and service level targets
- Redesigned all supply chain processes resulting in a new customized warehouse management system that integrates into omni-channel retail systems
- Increased labor productivity and on-time delivery % by optimizing layout of the main distribution center
- Created facility location optimization model used to determine location of east-coast distribution center

Wallis Companies

Retailer and distributor of petroleum products

- Implemented numerous process improvement projects including commissary facility layout, budget process streamlining, information systems development and inventory optimization
- Created and developed “process improvement” workshop for Leadership Development Program candidates

Save-A-Lot

Grocery Retail

- Rationalized SKUs by using multi-criteria inventory classification model
- Improved distribution productivity by analyzing case-ordering patterns from stores and enabling economies-of-scale in store reordering
- Improved backhaul percentage by aligning logistics and purchasing departments

US Transportation Command

Government / Military

- Developed workshop on supply chain operations reference (SCOR) model for information technology groups

University Teaching Experience

- Business Statistics & Analytics
- Lean Production
- Business Process Design & Simulation
- Introduction to Supply Chain Management

Manuscripts

Millstein, M.A., Yang, L., Li, H. (2013) Optimizing ABC Inventory Grouping Decisions. International Journal of Production Economics, 148, 71-80.

Millstein, M.A., Martinich, J.S. (2014) Takt Time Grouping: Implementing kanban-flow manufacturing in an unbalanced, high variation cycle time process with moving constraints. *International Journal of Production Research*, 52 (23), 6863-6877.

Millstein, M.A., Campbell J.F. (2017) Total Hockey Optimizes Omni-Channel Facility Locations. Accepted by *Interfaces* October 2017.

Book Chapters

Millstein, M.A., Martinich, J.S. (2016) Takt Time Grouping. *Production Management: Advanced Tools, Models, and Applications for Pull Systems*. CRS Press - Taylor and Francis.

Manuscripts in Process

Cadenbach, A.H. Millstein, M.A., Sweeney, D.S. Multi-Criteria Customer Valuation: Aligning Sales, Finance and Supply Chain. Status: In Process

Yang, L., Millstein, M.A., Campbell J.F. Optimizing omni-channel fulfillment locations. Status: In process.

Editorial Experience

Ad Hoc Reviewer for *International Journal of Production Research* and *International Journal of Logistics Management*

Research & Professional Interests

Lean Six Sigma

Cellular manufacturing

E-commerce logistics and supply chain management

Inventory Optimization

Supply chain performance measures and customer valuation

Dissertation

Takt time grouping: Implementing kanban-flow manufacturing in an unbalanced high variation cycle time process with moving constraints.

Presentations

Institute of Supply Management, St. Louis Chapter

Monthly chapter meeting, April 2012

Presentation title: Aligning Sales & the Supply Chain

Council of Supply Chain Management Professionals, St. Louis Chapter

Monthly chapter meeting, January 2012

Presentation title: Aligning Sales & the Supply Chain

Washington University – Operational Excellence Association

Educational roundtable series, May 2010

Presentation title: Aligning Sales, Finance & the Supply Chain

Decision Sciences

National Meeting, 2014

Presentation title: Takt Time Grouping

Decision Sciences

National Meeting, 2014

Presentation Title: Optimizing ABC Inventory Decisions

CSCMP Educators Conference 2016

Presentation Title: Optimizing Omni-Channel Facility Locations

CSCMP Educators Conference 2017

Presentation Title: Multi-Criteria Customer Valuation

Professional Certifications

Certified Purchasing Manager

Sponsoring Association: Institute for Supply Management

Certified Fellow in Production & Inventory Management

Sponsoring Association: American Production & Inventory Control Society

Certified Quality Manager

Sponsoring Association: American Society for Quality

Certified Quality Engineer

Sponsoring Association: American Society for Quality

Awards & Societies

Boeing Fellowship for Outstanding Supply Chain Doctoral Student: 2011, 2012 & 2013

Member, Beta Gamma Sigma