

DAVID ZEPEDA

Supply Chain and Operations Department
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EDUCATION

Ph.D. in Business Administration, University of Minnesota	2012
Concentration: Supply Chain and Operations	(expected)
Supporting Fields: Statistics and Applied Economics	
Advisor: Kingshuk K. Sinha	
Master of Science, University of Minnesota	2012
Major: Statistics	(expected)
Master of Business Administration, University of Tulsa	2004
Concentration: Operations Management	
Bachelor of Science, Milwaukee School of Engineering	1997
Major: Electrical Engineering	

RESEARCH

Interests

- Health Care Supply Chain Design
- Management of Technology
- Service Operations
- Logistics Management
- Lean Practices
- Operations Strategy

Refereed Publications

- “A Simulation/Metaheuristic Approach to Newspaper Production and Distribution Supply Chain Problems”, with Chiang, W.C., Russell, R., and Xiaojing, X., in International Journal of Production Economics, 121(2): 752-767, 2009.
- “Integrating Multi-Product Production and Distribution in Newspaper Logistics”, with Russell, R. and Chiang, W.C., in Computers & Operations Research, 35(5): 1576-1588, 2008.

Non-Refereed Publications

- “Taking the Steps to Translate Technology into a Sustainable Competitive Advantage”, Newspapers & Technology, January, 2008.
- “Tracking Your Newspaper’s Operational Capabilities”, Newspapers & Technology, November, 2007.
- “Hybrid Sustainability Still Unanswered”, Newspapers & Technology, July, 2007.

Working Papers

- “Health Care Supply Chain Design for Reducing Disparities in the Delivery of Care: Evaluating the Effects of Resource Dependence and IT Leveraging Competence”, with Sinha, K.K.
- “Designing Health Care Supply Chain for Affordable Access to Primary Care: The Role of IT Leveraging Competence”, with Sinha, K.K.
- “Designing Health Care Supply Chain for Heterogeneous Population: Towards an Integrative Framework for Quality Improvement and Disparity Reduction”, with Sinha, K.K.
- “Technology-Enabled Intervention in a Health Care Supply Chain for a Heterogeneous Population: A Field Study of Clinical Decision Support System Design and Implementation in a Safety Net”, with Sinha, K.K.
- “Competing on Razor Thin Margins through Lean”, with Su, H.C.

Invited Presentations

- “Health Care Supply Chain Design for Reducing Disparities in the Delivery of Care”, presented at Association for Healthcare Resources and Materials Management (AHRMM) Research Symposium, Boston, MA, 2011.
- “Health Care Supply Chain Design for Reducing Disparities in the Delivery of Care: Evaluating the Effects of Resource Dependence and IT Leveraging Competence”, presented at Association for Healthcare Resources and Materials Management AHRMM11 conference, Boston, MA, 2011.
- “Health Care Supply Chain Design for Reducing Disparities in the Delivery of Care: Evaluating the Effects of Resource Dependence and IT Leveraging Competence”, presented at INFORMS Healthcare 2011, Montreal, QC, 2011.
- “Health Care Supply Chain Design for Reducing Disparities in the Delivery of Care: Evaluating the Effects of Resource Dependence and IT Leveraging Competence”, presented at the Production & Operations Management Society (POMS) Annual Meeting, Reno, NV, 2011.
- “Designing Health Care Supply Chain for Affordable Access to Primary Care: The Role of IT Leveraging Competence”, presented at the Production & Operations Management Society (POMS) Annual Meeting, Reno, NV, 2011.
- “Designing Health Care Supply Chain for Heterogeneous Population: Towards an Integrative Framework for Quality Improvement and Disparity Reduction”, presented at the Production & Operations Management Society (POMS) Annual Meeting, Reno, NV, 2011.
- “Technology-Enabled Intervention in a Health Care Supply Chain for a Heterogeneous Population”, presented at INFORMS Annual Meeting, Austin, TX, 2010.
- “Technology-Enabled Intervention in a Health Care Supply Chain for a Heterogeneous Population: A Field Study of Clinical Decision Support System Design and Implementation in a Safety Net”, presented at the 2010 AHRMM Research Symposium hosted by the American Hospital Association (AHA), Chicago, IL, 2010.
- “Technology Enabled Inter-Organizational Knowledge Transfer: Preliminary Observations of Decision Support System Implementation in U.S. Health Care Organizations”, presented at Asamblea y Jornada Nacional de Ingenieros Industriales (ANAIIE), Puebla, Mexico, 2009.

Other Presentations

- “Technology-Enabled Intervention in a Health Care Supply Chain for a Heterogeneous Population: A Field Study of Clinical Decision Support System Design and Implementation in a Safety Net”, presented at Decision Sciences Institute (DSI) Annual Meeting, San Diego, CA, 2010.
- “Technology Enabled Knowledge Transfer in the Health Care Supply Chain: A Field Study of Clinical DSS Design and Implementation”, presented at Production & Operations Management Society (POMS) Annual Meeting, Vancouver, Canada, 2010.

TEACHING

Instructor, Carlson School of Management, University of Minnesota

- Business Statistics
4 credits, Undergraduate, 120 students
5.6/6.0 – Instructor’s overall teaching ability Spring 2009

Lab Instructor, Carlson School of Management, University of Minnesota

- Business Statistics
4 credits, Undergraduate, 60 students
6.0/7.0 - Instructor’s overall teaching ability Spring 2007
5.0/7.0 - Instructor’s overall teaching ability Fall 2006

Adjunct Instructor, St. Gregory's University

- Business Statistics Spring & Summer 2006
3 credits, Undergraduate, 15 students

Teaching Assistant, Carlson School of Management, University of Minnesota 2007-11

- Undergraduate, 30 – 60 students*
- Managing Technologies in the Supply Chain
 - Supply Chain & Operations Strategy
 - Transportation & Logistics Management
 - Advanced Logistics & Supply Chain Management

MBA, 30-60 students

- Managing Technology in the Supply Chain
- Operations Strategy
- International Operations Management
- Managing Supply Chain Operations
- Service Management
- Operations Management

Certifications and Activities, University of Minnesota

- Program for the Advancement of Classroom Excellence (PACE) 2009
- Teaching Enrichment Series 2006-08
- Teaching in Higher Education 2008

HONORS AND AWARDS

- Richard A. Freund International Scholarship – American Society for Quality 2011
- Healthcare Information Managements System Society Scholarship 2011
- American Hospital Association Grant Funding 2010-12
- Joseph M. Juran Fellowship – Juran Center for Leadership in Quality 2010
- Teaching Award for Excellence in Teaching – Carlson School of Management 2009
- Summer Research Fellowship – Carlson School of Management 2007-10
- Harold Hardy Fellowship – Carlson School of Management 2006-11
- College of Business Administration Honors – University of Tulsa 2005
- Phi Kappa Phi (PKP) Honor Society – University of Tulsa 2005

- Academic Honors – Milwaukee School of Engineering 1997
- Etta Kappa Nu (HKN) Honor Society – Milwaukee School of Engineering 1996
- Academic Scholarship – Milwaukee School of Engineering 1993-97

SERVICE

- Reviewer for Decision Sciences Institute Annual Meeting 2011
- Session Facilitator for Decision Sciences Institute Annual Meeting 2010
- The PhD Project Annual Conference Panelist 2010
- Graduate Logistics Case Competition Faculty Representative – U. of Arkansas 2010
- Member of the Student Advisory Committee – Carlson School of Management 2009-2011
- Teaching Enrichment Series Session Facilitator – University of Minnesota 2009
- Reviewer for Academy of Management Annual Meeting 2008-current
- Session Chair for Academy of Management Annual Meeting 2008-09
- Chair of OMS PhD Student Group – Carlson School of Management 2008-09
- The PhD Project Annual Conference Recruitment – Carlson School of Mgmt 2007-current
- Ad hoc reviewer for International Journal of Production Research 2007-current
- Ad hoc reviewer for International Journal of Revenue Management 2007-current

DOCTORAL COURSEWORK

Content Courses

Research in Operations Strategy (Schroeder)
 Management of Technological Operations (Sinha)
 Quality Management Research (Linderman)
 Management Science (Donohue)
 Forecasting and Inventory Management (Hill)
 Organizational Theory (Van de Ven)
 Theory Building and Research Design (Van de Ven)
 Teaching in Higher Education
 Statistical Consulting

Method Courses

Econometric Analysis
 Regression Analysis
 Experimental Design
 Applied Multivariate Analysis
 Theory of Statistics
 Analysis of Categorical Data
 Statistical Methods for Quality Improvement
 Computing and Generalized Linear Models
 Time Series Analysis

PROFESSIONAL AFFILIATIONS

- Institute for Operations Research and the Management Sciences (INFORMS)
- Academy of Management (AOM)
- Production and Operations Management Society (POMS)
- Decision Sciences Institute (DSI)
- American Society for Quality (ASQ)
- Council of Supply Chain Management Professionals (CSCMP)
- Healthcare and Information Management Systems Society (HIMSS)
- Newspaper Association of America (NAA)
- The PhD Project - Management Doctoral Student Association (MDSA)

PROFESSIONAL EXPERIENCE

World Publishing Co., Tulsa, OK

2001-06

- Production Coordinator – Main duties included the management of staff, technology, and production processes at the operations facilities. Responsible for the coordination of the disaster recovery plan and business continuity.
- Applications Engineer – Main duties included the management of staff and technology at the operations facilities. Coordinated the OSHA requirement initiatives.

ABB Automation Inc., New Berlin, WI

1997-2001

- Sales Applications Engineer – Main duties included the support of sales initiatives, off-site and on-site project coordination and implementation. Interfaced with customers and engineering departments in the U.S. and overseas.
- Technical Support Engineer – Main duties included technical support to North and South America, developing and providing training courses. Interfaced with customers and engineering departments in the U.S., North and South America and overseas.
- Field Service Engineer – Main duties included on-site project coordination, implementation and service. Interfaced with customers and engineering departments in the U.S. and overseas.

Consulting Experience

- ABB Industrie AG
- WIFAG Maschinenfabrik AG
- Oklahoma Offset Inc.
- World Publishing Co.

REFERENCES

- Kingshuk K. Sinha
Mosaic Company Professor of Corporate Responsibility
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- Kevin Linderman
Associate Professor and Academic Director
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- Steven C. Huchendorf
Senior Lecturer
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- Wen-Chyuan Chiang
Professor of Operations Management
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