

Kurt Hozak, Ph.D., CPIM, CIRM
Assistant Professor of Operations Management
khozak@coastal.edu
<http://www.linkedin.com/in/kurthozak/>

EDUCATION

Ph.D., The Ohio State University, Columbus, OH, Operations Management, 2007
Dissertation: RFID as an Enabler of Improved Manufacturing Performance

M.A., The Ohio State University, Columbus, OH, Business Administration, 2005

B.S., Western Michigan University, Kalamazoo, MI, Student Planned Curriculum (based on Integrated Supply Management), 1995

PUBLICATIONS

Hozak, K. (2013). [Comparison of Different Types of Variability When Using Lot Splitting in a Dynamic Open Job Shop](#). *International Journal of Advanced Operations Management*, 5 (3), 199-220.

Hozak, K. (2013). [Innovative Manufacturing Execution System Reduces Barriers to RFID Adoption in South China](#). *RFID Journal*.

Hozak, K. (2012). [Lean and Six Sigma Create Valuable Synergies for RFID Adopters](#). *RFID Journal*.

Hozak, K. (2012). [Managerial Guidance for Applying RFID in the Tourism Industry](#). *Interdisciplinary Journal of Contemporary Research in Business*, 4 (2), 18-30.

Hozak, K. (2012). [Lessons Learned From ERP Can Help Drive RFID Adoption](#). *RFID Journal*.

Hozak, K. (2012). [RFID Applications in Tourism](#). *International Journal of Leisure and Tourism Marketing*, 3 (1), 92-108.

Hozak, K. (2011). [RFID Research Supports Real-World Experimentation](#). *RFID Journal*.

Hozak, K. & Hill, J. A. (2010). [The Material Handling Trade-Off When Lot Splitting with RFID in a Job Shop](#). *International Journal of Production Research*, 48 (9), 2723-2743.

Hozak, K. (2009). [An Entertaining Software Application to Teach the Critical Path Method](#). *Decision Sciences Journal of Innovative Education*, 7 (2), 429-432.

Hozak, K. & Hill, J. A. (2009). [Issues and Opportunities Regarding Replanning and Rescheduling Frequencies](#). *International Journal of Production Research*, 47 (18), 4955-4970.

Hozak, K. & Collier, D. A. (2008). [RFID as an Enabler of Improved Manufacturing Performance](#). *Decision Sciences Journal*, 39 (4), 859-881.

ACADEMIC EXPERIENCE

Coastal Carolina University

Assistant Professor, Management and Decision Sciences Department, August 2010 – present

Classes taught:

Production/Operations Management (CBAD 364/475)

- Survey course for undergraduate business majors covered topics such as operations strategy, integration with other functional areas, project management, facility layout alternatives, lean operations, work methods, service operations, total quality management (TQM), Six Sigma, supply chain management, facility location, logistics, supply chain ethics, sales and operations planning, resource requirements planning, and inventory control.

Decision Analysis (CBAD 292)

- Introductory course for business majors covered topics such as Excel spreadsheet modeling, linear programming, sensitivity analysis, decision rules, decision trees, and forecasting.

Indiana State University

Assistant Professor, Analytical Department, 2007 – 2010

The Ohio State University

Teaching/Research Assistant, Management Sciences Department, 2002 – 2007

PROFESSIONAL WORK EXPERIENCE

Operations and Information Technology Consultant and Entrepreneur (2000 - Present)

- Published “Expert Views” articles in RFID Journal.
- Cofounded and founded LLCs to provide ERP consulting.
- Resolved inventory inaccuracy issues caused by another vendor’s poor integration of radio frequency (RF) bar coding devices with the ERP system.
- Developed online inventory control training material used by Accenture.
- Performed statistical analysis for Exel Logistics to identify project success factors.
- Designed, developed, tested, and documented ERP functionality related to manufacturing, distribution, and supply chain management as a lead consultant for Navistar, Solelectron, and IBM.

RFID Analyst / Consultant, Navistar (2005 - 2007)

- Worked directly with the Corporate Information Technology Architect to help create business-case and technical analyses for manufacturing, supply chain, and service applications of RFID.
- Analyzed RFID issues related to Navistar's contract with the Department of Defense (DoD) for the Mine Resistant Ambush Protected (MRAP) vehicle.

Software Engineer and Senior Special Projects Engineer, Baan Company (1997 - 2000)

- Quickly learned Baan's functionality and technical nuances to make significant contributions as the lead engineer in the United States for MRP, MPS, and application parallel processing functionality in Baan IV and Baan 5.
- Successfully resolved customer crises both remotely and on-site with a unique combination of functional knowledge, technical skills, and interpersonal abilities.
- Supported several other areas, including shop floor control (SFC) and the automotive supply chain extension.

(continued on next page)

Software Engineer and Senior Special Projects Engineer, Baan Company (1997 - 2000)
(continued from previous page)

- Provided mentoring and training related to planning system functionality and associated technical issues.
- Developed internal documentation of planning systems and parallel processing functionality.
- Achieved highest possible overall, customer service relations, technical, communications, problem solving, and professional skills & self-management ratings.

Application Consulting Specialist, PowerCerv Corp. (1996 - 1997)

- Delivered ERP implementation consulting services with specialization in the distribution module (including the product configurator).
- Completed customer gap analyses and enhancement documents that were used to improve the design of the PowerCerv products.
- Created process maps for PowerCerv's ERP applications that documented the flow of cross-functional activities.
- Recognized for the quantity and complexity of quality assurance issues identified during testing.

Analyst, Andersen Consulting (1995 - 1996)

- Designed, developed, tested, and documented client/server and batch modules in C.
- Received "High Five Award" for helping other team members and resolving technical issues.
- Received highest possible rating in many areas, including application programming, functional design, functional/user testing, technical design, initiative, leadership, and problem solving.
- Served as technical adviser / faculty member at international training center.
- Assisted with client/server training as the designated technical expert for my section.
- Helped evaluate students.
- Received very high evaluations from supervisors and participants.

CERTIFICATIONS

Certification in Production and Inventory Management (CPIM) by APICS, 1996-Present

Certification in Integrated Resource Management (CIRM) by APICS, 1997-Present

Certified Sybase Professional Database Administrator (CSP-DBA) / System 11 by Sybase, 1997

Certified in Baan IV Enterprise Logistics by Baan, 1997

AACSB Academically Qualified, 2007 – Present

SERVICE

Service to the University

Department Assignments

2011 – 2012: Member, Management Major Core Committee

2011: Co-Chair, CBAD 292 Course Description and Content Committee

2011: Co-Chair, CBAD 475 Course Description and Content Committee

2011: Member, Operations and Technology Management Concentration Committee

College Assignments

2012-2014: Faculty Policies Committee
2012-2014: Member, Wall Center of Excellence Faculty Advisory Committee
2014: Member, MIS Professor Search Committee
2013: Member, Business Math Taskforce
2012: Member, Assistant Accounting Professor Search Committee
2012: Member, Management: Human Resources Instructor Search Committee

University Assignments

2013-2014: Member, University Calendar Committee

Service to the Profession

Reviewer - Article / Manuscript

2007 – 2013: International Journal of Production Research
2013: Southeast INFORMS Conference
2011: Decision Sciences Journal
2011: Southeast Decision Sciences Institute Conference
2010: Journal of Operations Management

Conference Track Chair

2014: NFC Workshop, RFID Journal LIVE!
2012-2014: Healthcare / Pharmaceutical track, RFID Journal LIVE!

Service to the Community

2011-2012: Huntington Beach State Park, Volunteer

AWARDS

James P. and Elizabeth R. Blanton College of Business Leadership Professor (2013-2014)

Third Place, AVX Corporation Business Paper Competition (2011)

SKILLS / EXPERTISE / EXPERIENCE

Technologies

ERP, RFID, SAP, Baan, Enterprise Software, Databases, Unix, AIDC, RF, Bar Coding, Massive Open Online Courses (MOOCs), Software as a Service (SaaS)

Languages and Development Tools

SQL, Python, Ruby, PHP, JavaScript, jQuery, HTML, CSS, XML, Baan 4GL, C, C++, Objective-C, Java, VBA, Assembly, vi, Unix Shell Scripts

Functional Areas

Operations Management, Lean, Six Sigma, S&OP, Master Production Scheduling (MPS), Material Requirements Planning (MRP), Shop Floor Control, Inventory Control, Inventory Management, Purchasing, Logistics, Supply Chain Management, Marketing

Industries

Manufacturing, Services, Healthcare, Automotive, Defense, Tourism, Hospitality, Electronics

Analytical Tools

Simulation, Arena, Structural Equation Modeling (SEM), Cluster Analysis, ANOVA, Regression, Factor Analysis, Non-Parametric Statistics, SPSS, SAS, Minitab, Linear Programming, Microsoft Excel

Work Experience

Academic Course Delivery, Academic Advising, Instructional Design, Software Engineering, Entrepreneurship, Consulting, Technical Training, Software Quality Assurance, Customer Support, SDLC, Product Maintenance, Online Training, Functional and Technical Analysis, Technical Writing

PROFESSIONAL DEVELOPMENT

2014: edX. CS169.1x: Software as a Service. Earned Honor Code Certificate.

2012-2014: RFID Journal LIVE! Conference. Attended as track chair and also participated in tracks such as RFID for IT Professionals and Fast-Track RFID Deployment Training.

2013: Codecademy. Completed tracks in Ruby, Python, PHP, jQuery, HTML & CSS, and JavaScript.

2013: Stanford Class2Go. Introduction to Databases. Earned Statement of Accomplishment.

2011-2013: APICS plant tours.

2012: Udacity. Introduction to Computer Science: Building a Search Engine. Earned Certificate of Accomplishment with Highest Distinction.

2007: SAP University Alliance. Participated in training at UW-Milwaukee that prepared me to teach SAP for three years at Indiana State University.