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EDUCATION

- 2004-Present **Tepper School of Business, Carnegie Mellon University, Pittsburgh, PA**
Ph.D. Candidate in Operations Management, May 2010 (Expected)
Dissertation: "Essays in Operations Management"
Thesis Committee: Alan Scheller-Wolf, Bahar Biller, Mustafa Akan
Minor: Mathematics
- 2004-2006 **Tepper School of Business, Carnegie Mellon University, Pittsburgh, PA**
M.S. in Operations Management.
- 2000-2004 **Bilkent University, Ankara, Turkey**
B.S. in Industrial Engineering.

RESEARCH INTERESTS

Manufacturing and Service Management: Interested in perishable inventory systems, improving health care inventory systems, and dynamic pricing for manufacturing systems.

Queueing Theory and Simulation: Interested in evaluating the impact of dependence in queueing systems by using simulation analysis.

Revenue Management: Interested in strategic consumer behavior and competition in service industry.

HONORS AND AWARDS

- 2004-2007 Recipient of W. L. Mellon fellowship, Carnegie Mellon University.
- 2000-2004 Recipient of full fellowship for undergraduate study, Bilkent University.
- 2000 Ranked 8th in the country among 1,500,000 high school students who took the Turkish university entrance examination.

RESEARCH PAPERS

"Blood Platelet Inventory Management with Protection Levels and Substitution" (with I. Karaesmen and A. Scheller-Wolf). Working Paper.

"Failure Probability of VARTA in Higher Dimensions" (with B. Biller). Working paper.

"The Impact of Dependence in Queueing Systems" (with B. Biller and A. Scheller-Wolf). Working Paper.

"How much should reservations cost in different industries?" (with M. Akan and K. Jerath). Work in Progress.

PROFESSIONAL TALKS

“Blood platelet inventory management with protection levels and substitution”

MSOM Conference, MIT, Cambridge, MA, June 2009.

INFORMS Annual Meeting, San Diego, CA, October 2009 (Session WA 65, Oct 14, 8-8:30 am)

“Failure probability of VARTA in higher dimensions”

INFORMS Annual Meeting, San Francisco, CA, November 2005.

TEACHING EXPERIENCE

Instructor, Tepper School Business, Carnegie Mellon University, Summer 2007

Production and Operations Management (70371)

Undergraduate BA core course

Evaluations: 5.0/5.0.

Teaching Assistant, Tepper School Business, Carnegie Mellon University

MBA level:

- Production and Operations Management (45765)
Spring 2005, Spring 2006, Spring 2007, Spring 2008
- Optimization and Decision Making (45760)
Fall 2005, Fall 2006, Fall 2007, Fall 2008, Fall 2009
- Simulation Modeling for Production Systems (45833)
Spring 2006, Spring 2007, Summer 2008, Fall 2009
- Risk Models for Production Systems (45830)
Spring 2007
- JIT Manufacturing and Supply Chain Management (45836)
Summer 2006
- Quality, Design and Analysis (45831)
Spring 2007
- Mining Data for Decision Making (45863)
Spring 2006, Spring 2007
- Probability and Decision Making (45730)
Fall 2005
- Statistics and Decision Making (45731)
Fall 2006
- Business Ethics (45740)
Summer 2006, Summer 2007

MCF level:

- Credit Derivatives (45903 & 47727)
Fall 2008, Spring 2009.

Undergraduate BA level:

- Production and Operations Management (70371)
Fall 2005, Spring 2006, Fall 2006, Spring 2007, Fall 2007, Spring 2008, Fall 2008,
Spring 2009, Fall 2009
- Regression Analysis (70208)
Spring 2007, Spring 2008, Spring 2009
- Macroeconomics (73200)

Spring 2008

Recitation Leader, Tepper School Business, Carnegie Mellon University

- Production and Operations Management (70371)
Fall 2005, Spring 2006, Fall 2006, Spring 2007, Fall 2007, Spring 2008, Fall 2008, Spring 2009, Fall 2009
- Regression Analysis (70208)
Spring 2007, Spring 2008, Spring 2009

Student Tutor, Bilkent University, Ankara, Turkey

- Calculus (MATH 101 & 102)
Fall 2003, Spring 2004.

WORK EXPERIENCE

2003-2004 **FAF Valve Inc., Ankara, Turkey**

Distinguished senior design project on valve manufacturing planning. Implemented a rough cut capacity planning system using JAVA. Developed a computerized system for the long-term capacity and inventory planning. Reduced material waste and labor overhead significantly.

2003 **Er-Bakir Inc., Denizli, Turkey**

Summer Intern at Production Planning Department. Worked on a project to improve utilization of wire pulling process. Simulated the shipment process of finished goods inventory by using ARENA and performed a process flow analysis.

2002 **Case New Holland, Ankara, Turkey**

Summer Intern at Production Engineering Department. Performed a work flow analysis on the final production assembly.

REFERENCES

Professor Alan Scheller-Wolf
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