

MELDA ORMECI

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Education

2001-2006	Georgia Institute of Technology, Atlanta, Georgia PhD in Industrial and Systems Engineering Manufacturing and Logistics Track Thesis: Inventory Control In A Build-To-Order Environment 2 nd Place in George B. Dantzig Dissertation Award (2006) Advisors: John Vande Vate and Jim Dai	GPA: 4.00/ 4.00
2000-2001	Georgia Institute of Technology, Atlanta, Georgia Master of Science at Industrial and Systems Engineering Manufacturing and Logistics Track	GPA: 4.00/ 4.00
1999-2000	Bogazici University, Istanbul, Turkey Management (<i>MBA- end of first year</i>)	GPA: 4.00/ 4.00
1996-1999	Bogazici University, Istanbul, Turkey Bachelor of Science in Industrial Engineering	GPA: 3.50/ 4.00
1995-1996	Istanbul Technical University Industrial Engineering (<i>Transferred to Bogazici University</i>)	GPA: 3.73/ 4.00

Experience

Aug 2006-Present	Georgia Institute of Technology, Atlanta, Georgia Research Engineer	
Dec 2001-Aug 2006	Georgia Institute of Technology, Atlanta, Georgia Research Assistant	
	<ul style="list-style-type: none"> ▪ Optimizing Transatlantic Supply for BMW: Project involved determining appropriate levels of inventory to hold, for option parts coming from Europe, in the Spartanburg, SC, plant to protect it from variations in the demand and supply process. Points of focus were optimal days of supply, impact of forecast accuracy, frequency of supply and supply chain design. The company is pursuing our recommendations and is reshaping its global supply chain process. Within this context BMW is evaluating additional ports, routes and carriers, relocating its European supply center and piloting new strategies for setting call-off quantities. ▪ Virtual Supply Chain Game for General Motors Tool to be used by students and executives. ▪ In-bound Logistics Planning System for Ford Motor Company: The aim is to optimize total cost from the supplier to the point-of-fit. Tool serves a guide for decision making. It validated the decision to open a sequencing center at a particular location. 	

- May 2002-Aug 2002 **BMW Manufacturing Corporation, Spartanburg, USA**
Internship
TS13 Physical Logistics Department.
Worked on the Inbound Supply Chain Management project which included the transfer of some operations to a LLP. Assisted in identifying key performance measures in transportation, warehousing, plant and carrier performance and determining how and when to escalate any performance issues.
- Aug 2001-Dec 2001 **Georgia Institute of Technology, Atlanta, Georgia**
Teaching Assistant
Course Title: Supply Chain Models: Manufacturing & Warehousing
- Oct 1999- Aug 2000 **Bogazici University, Istanbul, TURKEY**
Research Assistant
Worked in the preparation of surveys on "Business Ethics" and "Relations with Internal and External Environments of a Company" and coordinated the field study of these surveys with 150 Juniors
- Aug 1998-Oct 1998 **Projecta Grandes Estruturas Inc., BRAZIL**
Internship
(Through IAESTE) Participated in the whole production process of a steel construction company, from design to final assembly
- Jan 1997-Feb 1997 **ATA Securities, Istanbul, TURKEY**
Internship
International Capital Markets Department
- Jan 1996-Feb 1996 **Eczacibasi Bilgi Iletim, Istanbul, TURKEY**
Internship
Information Technology, MRP applications
- Aug 1995-Sept 1995 **ITU Machine Tools Workshop, Istanbul, TURKEY**
Internship
Studied the working mechanisms of machine tools and used them for production purposes

Publications

Melda Ormeci, Jim Dai, John H. Vande Vate. Impulse Controlled Brownian Motion: Constrained Average Cost Case, Operations Research, forthcoming.

Melda Ormeci. Inventory Control in a Build-to-Order Environment. 2006 Manufacturing and Service Operations Management Conference Proceedings, Atlanta, 2006 (refereed)

Melda Ormeci, John H. Vande Vate. Build-To-Order Meets Global Sourcing: Planning Challenge for the Auto Industry. Handbook of Production Planning, Editors: K. Kempf, P. Keskinocak, and R. Uzsoy. Expected Completion December 2006, (Invited Book Chapter)

Technical Presentations

Melda Ormeci. Inventory Control in a Build-to-Order Environment, (Dantzig Dissertation Award Session), INFORMS National Conference, Pittsburgh, 2006.

Melda Ormeci. Inventory Control in a Build-to-Order Environment, (refereed) 2006 Manufacturing and Service Operations Management Conference, Atlanta, 2006.

Melda Ormeci. Inventory Control in a Build-to-Order Environment, ORCIBS Seminar, Koc University, Istanbul, 2006.

Melda Ormeci, Jim Dai, John H. Vande Vate. Impulse Controlled Brownian Motion: Constrained Average Cost Case, (Invited Talk) INFORMS National Conference, San Francisco, 2005.

Melda Ormeci, Jim Dai, John H. Vande Vate. Optimality of Control Band Policies for Impulse Controlled Brownian Motion, (Invited Talk) IIE Annual Conference, Atlanta, 2005.

Computer Skills

Computer Languages: C, C++, VBA, QBasic.

Optimization Software: GAMS, AMPL, LINGO, and LINDO.

Mathematical Software: Matlab, Minitab, Mathematica.

Simulation Software: ARENA, SIMAN

Microsoft Software: MS Access, MS Excel, MS PowerPoint, MS Word.

Awards and Honors

- Second Place in George B. Dantzig Dissertation Award (2006)
- Selected for INFORMS Doctoral Colloquium, Atlanta 2003
- Served in the Graduate Student Advisory Committee (2003-2005)
- Received Fulbright Scholarship for my master's degree (2000)
- Graduated with High Honors from Bogazici University (1999)
- Participated in TIMES (*Tournament in Management and Engineering Skills*), Germany, 1999, organized by ESTIEM (European Students of Industrial Engineering and Management)
- Ranked second among those that entered ITU in the national university entrance exam and ranked first among those that entered Industrial Engineering Department
- Received "Orhan Karakullukcu Award" (1996)(for the highest GPA at the end of the freshman year)

Professional and Scientific Affiliations

- Member, The Institute of Operations Research and the Management Sciences (INFORMS)
- Member, Institute of Industrial Engineers (IIE)
- Referee for *Operations Research*