

MEHMET SEKİP ALTUG

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EDUCATION 06/05 – Present	Ph.D. Candidate in Decision, Risk and Operations Columbia University, Graduate School of Business Dissertation: <i>Supply Chain Contracting for Vertically Differentiated Products</i> Advisor: Garrett van Ryzin	New York, NY
08/03 – 06/05	Master of Philosophy in Decision, Risk and Operations Columbia University, Graduate School of Business	New York, NY
08/96 – 05/98	Master of Science in Industrial and Systems Engineering University of Florida Concentration: Engineering Management Thesis: Design and Performance Evaluation of Mixed and Pure MRP, Kanban and CONWIP Production Lines	Gainesville, FL
09/92 – 06/96	Bachelor of Science in Industrial Engineering Bogazici University Concentration: Manufacturing Systems	Istanbul, Turkey

RESEARCH INTERESTS	Application Areas: Supply chain management, Operations/Economics and Operations/Marketing interfaces, pricing, inventory theory Methodological Areas: Game theory, contract and mechanism design, stochastic optimization, empirical methods Industries: High tech (Computer OEMs, semi-conductors, telecom), retailing
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RESEARCH PAPERS	Altug, M.S., G. van Ryzin (2008), Supply Chain Dynamics and Contracting in the Presence of Gray Market (<i>working paper</i>) Altug, M. S., G. van Ryzin (2008), Product Quality Selection: Contractual Agreements in a One Manufacturer Multiple Supplier Environment (submitted to <i>Management Science</i>) Altug, M.S., G. van Ryzin (2007), Efficient Channel Contracting for Vertically Differentiated Products (submitted to <i>M&SOM</i>) Altug, M.S., A. Muharremoglu (2006), Supply Chain Management with Advance Supply Information (under revision at <i>Management Science</i>)
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RESEARCH-IN PROGRESS	Is Wholesale Pricing Just Right for You? An Empirical Study of Supply Chain Contracts (with G. van Ryzin) Economics of Supply Chain Security Management
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OTHER RESEARCH	Design and Performance Evaluation of Mixed and Pure MRP, Kanban and CONWIP Lines: Part I (with S. Tufekci), Technical Report, Industrial and Systems Engineering Department, University of Florida Design and Performance Evaluation of Mixed and Pure MRP, Kanban and CONWIP Lines: Part II (with S. Tufekci), Technical Report, Industrial and Systems Engineering Department, University of Florida
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ACADEMIC EXPERIENCE 11/06 – 10/07	Research Assistant, Decision, Risk and Operations Department Columbia University, Graduate School of Business New York, NY Analyzed a leading semi-conductor manufacturer’s channel and OEM business. Performed scoping study with the business team to determine the main pricing issues with their distributors. Designed economic incentives and contractual arrangements to align the economics between the manufacturer and its distributors.
09/05 – 08/07	Teaching Assistant, Decision, Risk and Operations Department Columbia University, Graduate School of Business New York, NY Conducted several Teaching Assistantship duties for the MBA courses Decision Models II and Operations Management.
05/97 – 05/98	Research Assistant, Industrial and Systems Engineering Department University of Florida Gainesville, FL Designed models and performed simulation experiments to analyze the performance of different manufacturing systems using the Virtual Factory Emulator
08/96 – 05/98	Teaching Assistant, Industrial and Systems Engineering Department University of Florida Gainesville, FL Assisted senior students in Quality Control and Master’s students in Manufacturing Management courses. Graded and occasionally prepared exams and assignments. Taught several classes for the Manufacturing Management course.
INDUSTRY EXPERIENCE 08/01 – 05/03	Solution Architect / Project Lead i2 Technologies Irving, TX <ul style="list-style-type: none"> <li data-bbox="451 968 1446 1083"> ▪ <i>IBM PCD APS 2.0 Implementation</i> <i>Raleigh, NC / Shenzhen, China</i> Led the solution architecture design of the i2 APS implementation, which included i2 Factory Planner solution in Phase I and adding Configure-To-Order capability in Phase II of the implementation. Gave on-site training to managers, directors and end-users. <li data-bbox="451 1121 1446 1205"> ▪ <i>Elcoteq Presales and Scoping Analysis</i> <i>Helsinki, Finland</i> Led an i2 presales team to perform scoping, requirements mapping and project planning for the first business release of the i2 Supply Chain Management (SCM) implementation <li data-bbox="451 1243 1446 1327"> ▪ <i>Solution Value Assessments (SVA)</i> Conducted value assessments for existing i2 SCM implementations in high-tech industry. Held training sessions to identify earlier design problems and propose solutions. <li data-bbox="451 1365 1446 1449"> ▪ <i>Business Process Template Development</i> Designed and developed the Factory Planning part of the SCM business process template for Computer OEMs. The template includes i2 best practices in the industry. <li data-bbox="451 1486 1446 1665"> ▪ <i>Solution Template Development</i> Led the development of an application to be used by on-site consultants to determine the Key Performance Indicator (KPI) impact of each functionality implemented in an i2 SCM solution. Worked with consultants to determine these impacts within i2 Supply Chain, Demand Planner, Demand Fulfillment, Collaboration Planner and Factory Planner solutions.
01/00 – 07/01	Senior Consultant i2 Technologies Irving, TX <ul style="list-style-type: none"> <li data-bbox="451 1791 1446 1906"> ▪ <i>Infineon Technologies</i> <i>Munich, Germany</i> Worked as the Model Owner of the Facility Model implementation at Infineon which included both Supply Chain Planner (SCP) and Factory Planner (FP) design, model development and support work. Organized and gave a training class about the model.

- *Sun Microsystems Breakthrough Supply Chain Project* *San Jose, CA*
Conducted scoping study and mapped business requirements to FP functionalities. Developed the model and the solution design. Worked with the development to determine the technical architecture. Assisted with training material development.

07/98 – 12/99

Consultant
i2 Technologies

Irving, TX

- *Compaq Factory Planner Implementation* *Houston, TX*
- *Fujitsu HDD Factory Planner Implementation* *Tokyo, Japan*

CONFERENCE PRESENTATIONS

Supply Chain Dynamics and Contracting in the Presence of Gray Market, invited talk, INFORMS Annual Conference, Washington DC, 2008

Product Quality Selection: Contractual Agreements in a One Manufacturer Multiple Supplier Environment, invited talk, INFORMS Annual Conference, invited talk, Washington DC, 2008

Efficient Channel Contracting for Vertically Differentiated Products, invited talk, INFORMS Annual Conference, Seattle, WA, 2007

Product Quality Selection: Contractual Agreements in a One Manufacturer Multiple Supplier Environment, invited talk, INFORMS Annual Conference, Seattle, WA, 2007

Economics of Supply Chain Security Management, invited talk, INFORMS Annual Conference, Seattle, WA, 2007

Supply Chain Management with Advance Supply Information, INFORMS Annual Conference, Pittsburgh, PA, 2006

Supply Chain Management with Advance Supply Information, MSOM Conference, Atlanta, GA, 2006

Supply Chain Management with Advance Supply Information, INFORMS Annual Conference, San Francisco, CA, 2005

HONORS AND ACHIEVEMENTS

Columbia Business School Fellowship for Doctoral Study, New York, 2003-2007

College of Engineering Award, University of Florida, Gainesville, 1998

Certificate of Award for Outstanding Academic Achievement, University of Florida, Gainesville, 1997, 1998

Awarded scholarship by Turkish Education Foundation (offered to approximately 10 Students every year) to study in a top 20 US MBA Program, Istanbul, 1996

Dean's List, Bogazici University, Istanbul, 1992-1996

Graduated in the top five, Industrial Engineering Department, Bogazici University, 1996

Ranked in the top % 0.01 in nation-wide University Admission Exam, Turkey, 1992

ACTIVITIES **Member**, Institute for Operations Research and Management Science
Member, Institute of Industrial Engineers

COURSE
OVERVIEW

Ph.D. Courses at Columbia University:

Foundations of Optimization, Foundations of Stochastic Modeling, Stochastic Modeling, Linear Programming, Advanced Stochastic Modeling, Network Flows, Queueing Theory, Queueing Networks, Non-Linear and Convex Programming, Dynamic Programming,

Microeconomics, OM Seminar, Logistics and Distribution Management, Supply Chain Management, Cooperation and Coordination in Supply Chains, Revenue Optimization, Game Theoretical Models in OM , Applied Management Science Modeling, OM Consulting (MBA Elective)

Master's Courses at University of Florida:

Deterministic Methods of Operations Research, Applied Probability, Manufacturing Management, Corporate Finance (MBA), Managerial and Cost Accounting (MBA), Organizational Behavior (MBA)

REFERENCES

Garrett van Ryzin

Paul M. Montrone Professor of Private Enterprises

Decision, Risk and Operations Division

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Alp Muharremoglu

Assistant Professor

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Awi Federgruen

Charles E. Exley Professor of Management

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Fangruo Chen

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