Publications

**Refereed Journal Articles**


**Refereed Conference Articles**

5. Derek Atkins, Mehmet A. Begen, Bailey Kluczny, Anita Parkinson, Martin L. Puterman, “PreBoard Screening Analysis at Vancouver International Airport“, in Proc. of 39th CTRF Conference Transportation Revolutions”, 530-539 pp., Calgary, Alberta, Canada, 2004

**Book Chapters**

**Non-Refereed Articles**


**Theses**


**Funding**

1. PI - NSERC Discovery Grant, granted April 2011 for 5 years

2. PI – Ivey/Startup, granted July 2010 for one time

3. Co-PI, UWO/Ministry of Research and Innovation Post-Doctoral Fellowship, Innovation (Sep 2011 – June 2012)

**Teaching Materials**

1. J.S. McMillan Fisheries Ltd. (with A. Smith and D. Gillen) (INFORMS 2002 Case Study Competition Finalist)

2. Seoul National Bank: The Chief Credit Officers' Tough Decisions (9B11E013, 5 pages) (with TN, 8B11E013, 8 pages)

3. Introduction Building Blocks of Excel VBA and Real-time Macro Recording (9B11E019, 14 pages)

4. Siga Technologies: Profiting from uncertainty (9B11E014, 8 pages) (with TN, 8B11E014, 21 pages)

5. Deloitte Recommends Client Selection to Regency Bank (case, 9B11E005, 4 pages) (with TN, 8B11E005, 6 pages)

6. Simulation in Excel and VBA (9B11E031, 24 pages)

7. Solver in Excel and VBA (9B11E028, 31 pages)

8. Variables and Logical Statements and Logical Operators in Excel VBA (9B11E021, 15 pages)

9. Introduction to Graphical User Interface (GUI) and Debugging in Excel VBA (9B11E020, 16 pages)

10. Subs, Functions and Event Procedures in Excel VBA (9B11E027, 16 pages)

11. Loops and Arrays in Excel VBA (9B11E022, 16 pages)

12. A few Excel and VBA Tips: Data Validation Tool, Offset and Vlookup, Dynamic Chart, Form Controls, Pivot Tables, VBA Help (note, 9B11E018, 14 pages)

13. How to Record a Macro in Excel (9B11E015, 15 pages)

14. How to Retrieve Data From Web to Excel (9B11E016, 13 pages)

15. Sinofert Holdings Limited: Urea Distribution Planning (9B13E027, 6 pages) (with TN, 8B13E027, 3 pages)

16. Hyrule Cinemas: Pricing Movies and Popcorn (9B14E012, 6 pages) (with TN, 8B14E012, 10 pages)

17. A Student's Dilemma: Rent or Buy? (9B14E013, 6 pages) (with TN, 8B14E013, 8 pages)

18. Mistral Energy: A Tale of Two Power Markets (9B14E011, 7 pages) (with TN, 8B14E011, 12 pages)

19. Analysis ToolPak in Excel and VBA (9B13E025, 22 pages)

**Student Supervision**


2. Co-supervisor, Sakine Batun, postdoctoral fellow, Ivey School of Business, UWO (Sep 2011 – June 2012)


4. Thesis External Examiner, Malek Bassam Hannouf, graduate student, Epidemiology and Biostatistics, UWO (Dec 2011)

5. PhD Committee Member, Foad Hassanmirzaei, graduate student, Ivey School of Business, UWO 2012

6. Supervisor, Burcu Caglar, visiting graduate student, Ivey School of Business, UWO (Oct 2012 – March 2013)
7. Co-supervisor, Onur Ozturk, postdoctoral fellow, Ivey School of Business, UWO (Sep 2012 – current)
8. Co-supervisor, Jianbo Qian, postdoctoral fellow, Ivey School of Business, UWO (Sep 2012 – current)

Education

**Sauder School of Business, University of British Columbia (UBC), Vancouver, BC Canada**

Ph.D. in Management Science, 2004 – 2010  
- Thesis title: Appointment scheduling with discrete random durations and applications  
- Thesis committee: Maurice Queyranne (supervisor), Martin L. Puterman, Mahesh Nagarajan, Ralph Winter  

M.Sc. in Management Science, 2000 – 2001  
- Thesis title: Production planning in JSM Fisheries Ltd: Catch allocation decision tool support design  
- Thesis supervisor: Martin L. Puterman

**Middle East Technical University (METU), Ankara, Turkey**

B.Sc. in Industrial Engineering, 1995 – 2000  

Teaching Experience

**Assistant Professor, Richard Ivey School of Business, University of Western Ontario, London, ON Canada**

1. Business 3316, Decision Making with Analytics, HBA
2. Business 4517 (4467), End User Modeling (Spreadsheet Analytics and Programming with VBA), HBA
3. Business 9458, Healthcare Analytics, MBA
4. Preparatory Knowledge Program, Quantitative Analysis, MBA

**Sessional Lecturer, Sauder School of Business, University of British Columbia, Vancouver, BC Canada**

1. BAMS 580, Developing Decision Support Tools for Operations Research, graduate level (MM and MBA), designed and taught this course for the first time at the Sauder School of Business, periods 2004, 2005 and 2006
2. BAMS 506, Optimization Models, graduate level (MM and MBA), periods 2002 and 2003
3. BAMS 507, Theory of Optimization, graduate level (MM and Ph.D.), periods 2002 and 2004
4. BAMS 508, Discrete Optimization Models, graduate level (MM and MBA), period 2003
5. **Teaching assistant** for various courses including Operating Supply Chains, Applied Business Statistics, Operations and Logistics (with an emphasis to healthcare applications), Optimization Models, Discrete Optimization Models
6. **Guest lecturer** for Logistics and Operations Management, Simulation

Business Experience

**Centre for Operations Excellence (COE), University of British Columbia, Vancouver, BC Canada**

2002 – 2004 **Project Manager and Associate Director, Research**

**Project management** (scope definition, proposals, methodology development, documentation, guidance of graduate and undergraduate students), **preparation of case studies and papers**, served as a **project manager** in over 10 projects, **selected projects** are:

- Security queuing analysis for the Vancouver international airport (recipient of the CORS 2003 Practice Prize, featured on TV, in the press and in the UBC Annual Report)
- Aggregate logistics planning and optimization for a large beverage firm (recipient of the Best Business Application Award at SCOPE 2002 (Student Conf. on OR), the company’s distribution network is worth more than $100 million (US) and the savings are estimated about 5% per year)
- Quantifying, benchmarking and predicting operational risks for a shipping company (the partner company is a multi-billion dollar shipping company with over 150 vessels)
- Reducing wait times for CT scanners for Vancouver Coastal Health Authority
- Managing surgical waitlists for the Fraser Health Authority
Grant applications, business development, hiring, marketing and promotion of the COE program, organizing workshops and case study competitions, student recruitment and development of the new COE Masters program, supervision of technical analysts at the COE:

- **Co-investigator of a grant for $9000 from UBC** to develop a customized production planning tool for fisheries to help the sustainability of commercial fish species
- Established **academic alliances** with operations research software companies and obtained complementary copies of commercial-size solvers for the COE
- **INFORMS 2002 Case Study Competition Finalist** for the case “J.S. McMillan Fisheries Ltd.: optimizing production planning”

2000 – 2001 **Project Analyst**

Developed a decision support tool for production planning for JS McMillan Fisheries in Vancouver, BC

- **Best Graduate Student-presentation Award** at CISCO (Canadian Int. Student Conf. on OR) in 2001

**Internships and Others**

- IMKB, Istanbul Stock Exchange, Istanbul, Turkey, Summer 2000
- Student assistant for an undergraduate statistics course, METU, Ankara, Turkey, Spring 2000
- Modsim (Modeling and Simulation Lab) METU, Ankara, Turkey, Spring 2000
- ASELSAN (Turkish Military Electronics Industry), Ankara, Turkey, Summer 1999
- TUMOSAN (Turkish Motor Industry), Konya, Turkey, Summer 1998
- Gesas General Food Industry, Konya, Turkey, 1995 - 1997 (Part time)

**Honors and Distinctions**

- 2015 Sponsored Sessions Chair for INFORMS Healthcare Conference, Nashville, TN
- 2014 FICO Contest Winner “Optimize the Real World”
- 2013 Cluster Chair, Healthcare Operations Management, for INFORMS Healthcare Conference, Chicago IL
- 2009 Second prize for the **INFORMS MSOM Student Paper Competition**
- 2009 Runner-up for the **INFORMS Computing Student Paper Competition**
- 2009 Honorable mention for **CORS Student Paper Competition**

- 2003 – 2009 CORS Diploma Coordinator for UBC
- 2004 – 2008 Dean Earle D MacPhee Memorial Fellowship in Business Administration and UBC tuition awards
- 2005 – 2008 PGSD3 NSERC Scholarship
- 2006 Honorable mention for Informs Bonder Scholarship
- 2004 UBC Lusztig Fellowship
- 2003 CORS Practice Prize
- 2003 **Program Chair** for the 45th CORS Annual Conference
- 2003 Co-author for the paper that received the Best Student-paper Award at IEEE ICIP
- 2002 **INFORMS Case Study Competition Finalist**
- 2002 Best Business Application Award at SCOPE (Student Conf. on OR)
- 2002 CORS Diploma
- 2001 Best Graduate Student Presentation Award at CISCO (Canadian Int. Student Conf. on OR)

- 2000 – 2001 COE Scholarship and UBC Tuition Awards
- 1996 – 2000 Honor student at the Middle East Technical University

**Workshops**

1. Informs Teaching Effectiveness Colloquium, 2009, San Diego CA
2. Case Teaching Workshop, 2009, London ON
4. Informs Professional Colloquium 2007, Vancouver BC
Miscellaneous

Technical Skills. Expertise in programming, spreadsheet modeling, simulation, optimization


Professional Affiliation. Informs (with MSOM Society, Healthcare Apps. Section and Optimization Society), CORS and SIAM

Editorial Work. Ad-hoc reviewer for OR, EJOR, MSOM, POMS, IPCO, IIE, Journal of Medical Systems, Medical Decision Making, NSERC, HCMS, DS, JORS; CORS Student Paper Competition, Informs Pierskalla Award.

Presentations (since 2005)

16. Invited seminar, Department of Health and Community Services NL, St Johns NL Sep 2011.
19. Invited seminar, Saskatchewan Healthcare Ministry, June 2011
22. Invited seminar, University of New York, invited talk at Stern School of Business, New York NY, April 2011
23. Invited seminar, University of Waterloo, invited talk at Department of Management Sciences, Waterloo ON, Jan 2011
24. Invited seminar, UWO, Engineering, Jan 2011
25. Informs Annual Meeting, sponsored session, Austin TX, 2010
26. ORAHS Conference, Operational Research Applied to Health Services, Genova, Italy, 2010
27. EURO Conference on Operations Research, Lisbon, Portugal, 2010 (two invited sessions) teaching and scheduling
28. YAEM Conference on ORIE, Istanbul, Turkey, 2010 (invited session) healthcare
29. POMS Annual Meeting, Vancouver, BC, 2010
30. Informs Annual Meeting, sponsored session, San Diego CA, 2009
32. Informs-CORS, invited session, Toronto ON, 2009
33. OR & Lean Health Care, invited tutorial, Vancouver, BC 2009
34. Symposium on Discrete Algorithms (SODA), New York, NY, 2009
37. Simon Fraser University, OR seminar, Vancouver, BC, 2008
38. ORAHS Conference, Operational Research Applied to Health Services, Toronto, ON, 2008
40. POMS Annual Meeting, Chicago, IL, 2005