

Işık Biçer - Curriculum vitae

CONTACT INFORMATION	Işık Biçer 111 Ian MacDonald Blvd, SSB Office# S337 North York, ON M3J 1P3, Canada	Tel: 1-416-736-2100 (ext:33573) E-mail: bicer@schulich.yorku.ca
ACADEMIC EMPLOYMENT	Schulich School of Business, York University , Toronto, Canada <i>Assistant Professor of Operations Management</i> <i>Operations Management & Information Systems Group</i>	Sept. 2019 – Present
	Rotterdam School of Management, Erasmus University , Rotterdam, The Netherlands <i>Assistant Professor of Supply Chain Management</i> <i>Department of Technology and Operations Management</i>	Jan. 2017 – Aug. 2019
	University of Lausanne , Lausanne, Switzerland Faculty of Business and Economics <i>Visiting Professor of Business Analytics</i> <i>Department of Operations Management</i>	Feb. 2018 – June 2018
	Swiss Federal Institute of Technology (EPFL) , Lausanne, Switzerland <i>Post-Doctoral Researcher</i> <i>College of Management of Technology,</i> <i>Department of Technology and Operations Management</i> Supervisor: Ralf W. Seifert	Sep. 2014 – Dec. 2016
EDUCATION	University of Lausanne , Lausanne, Switzerland Faculty of Business and Economics <i>PhD in Operations Management</i>	Nov. 2010 – July 2014 <ul style="list-style-type: none">• Thesis: Modeling and mitigation of supply-demand mismatches• Advisor: Suzanne de Treville• Committee Members: Valerie Chavez-Demoulin (University of Lausanne) and Özalp Özer (UT Dallas)
	Bogazici University , Istanbul, Turkey <i>MSc in Industrial Engineering</i>	Sep. 2007 – Feb. 2010 <ul style="list-style-type: none">• Thesis: Improvements in column-generation methods to solve large-scale aircrew-scheduling problems• Advisor: Taner Bilgiç
	Middle East Technical University , Ankara, Turkey <i>BSc in Industrial Engineering</i> <i>BSc in Mechanical Engineering (Double Major)</i>	Sep. 2001 – Feb. 2006 Sep. 2002 – Feb. 2006

PROFESSIONAL
EXPERIENCE

Fortis Bank, Istanbul, Turkey

Business Intelligence Analyst

Mar. 2007 – Aug. 2010

Pfizer Pharmaceuticals, Istanbul, Turkey

Supply Chain Analyst

May 2006 – Mar. 2007

TEACHING
EXPERIENCE

Lecturer

- Supply Chain Simulation, 2019, RSM, Master in Supply Chain Management (4.7/5.0)
- Supply Chain Analytics, 2018, University of Lausanne, Master in Management
- Supply Chain Simulation, 2018, RSM, Master in Supply Chain Management (4.0/5.0)
- Supply Chain Simulation, 2017, RSM, Master in Supply Chain Management (Course evaluation: 4.4/5.0)
- Mathematical Models in Supply Chain Management, 2014, 2016, EPFL, Doctoral program (co-taught with Ralf Seifert) (Evaluation not available)

Teaching Assistant

- Advanced Operations Management, 2010-2013, University of Lausanne, Master in Management
- Operations Strategy, 2011-2013, University of Lausanne, Master in Management

HONORS AND
AWARDS

Editorial Board Member, Journal of Operations Management

Recognition for contributing to the development of the CDF tool as a member of OpLab team at the University of Lausanne

- Description of the CDF tool: <https://acetool.commerce.gov/cost-risk-topic/inventory>
- Public release by the White House mentioning our efforts at the University of Lausanne: <http://www.whitehouse.gov/the-press-office/2014/10/03/fact-sheet-president-obama-announces-new-manufacturing-innovation-institut>

Full PhD assistantship at the University of Lausanne, 2010-2014

Performance award for the achievements in the implementation of Hyperion Reporting Studio at the Fortis Bank, 2009

Completion of the double-major studies at the Middle East Technical University, 2006

Ranked 93rd in the Turkish Graduation Record Examination (ALES) among 130K entrants, 2006

Ranked 513th in the Turkish University Entrance Examination (OSS) among 1.3 Million students, 2000

JOURNAL
PUBLICATIONS

Kirci, M., Biçer, I., Seifert, R. W. (2019), Optimal replenishment cycle for perishable items facing demand uncertainty in a two-echelon inventory system, *International Journal of Production Research*, 57(4), 1250-1264

Lucker, F., Seifert, R. W., Biçer, I. (2019), Roles of inventory and reserve capacity in mitigating supply chain disruption risk, *International Journal of Production Research*, 57(4), 1238-1249

Biçer, I., Hagspiel, V., De Treville, S. (2018), Valuing supply-chain responsiveness under demand shocks, *Journal of Operations Management*, 61, 46-67

- Decision tool is available at <https://r.erim.eur.nl/r-apps/bicer>

Biçer, I., Seifert, R. W. (2017), Investments in lead-time reduction: How to finance and how to implement, *Foundations and Trends in Technology, Information and Operations Management*, 11(1-2), 32-45

Biçer, I., Seifert, R. W. (2017), Optimal dynamic order scheduling under capacity constraints given demand-forecast evolution, *Production and Operations Management*, 26(12), 2266-2286

Biçer, I., Hagspiel, V. (2016), Valuing quantity flexibility under supply chain disintermediation risk, *International Journal of Production Economics*, 180, 1-15

Seifert, R. W., Tancrez, J. S., Bicer, I (2016)., Dynamic product portfolio management with product life cycle considerations, *International Journal of Production Economics*, 171(1), 71-83

Biçer, I. (2015), Dual sourcing under heavy-tailed demand: an extreme-value theory approach, *International Journal of Production Research*, 53(16), 4979-4992

De Treville, S., Bicer, I., Chavez-Demoulin, V., Hagspiel, V., Schurhoff, N., Tasserit, C., and Wager, S. (2014), Valuing lead time, *Journal of Operations Management*, 32(6), 337-346

- Decision tool is available at <https://acetool.commerce.gov/cost-risk-topic/inventory>

Avanzi, B., Bicer, I., De Treville, S., and Trigeorgis, L. (2013), Real options at the interface of finance and operations: exploiting embedded supply-chain real options to gain competitiveness, *The European Journal of Finance*, 19(7-8), 760-778

WORKING
PAPERS

Bicer, I., Lucker, F., Boyaci, T., Beyond Retail Stores: Managing Product Proliferation along the Supply Chain. SSRN link: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3423905

Bicer, I., Becker-Peth, M., Seifert, R. W., How do Supply Chain Investments Impact on Return on Equity in the Retail Industry?

Bicer, I., Boyaci, T., Demand Fulfilment Analytics in Business-to-Business Markets

CASE STUDY

Bicer, I., Ensing, Y., Delnooz, J, Demand Analytics at Kraft Heinz: Combining Statistical and Judgmental Forecasts, Unpublished

PUBLIC
PRESS

Interview with Zen Terrelonge (2018), How KFC's delivery nightmare showed that logistics can be franchises' weakest link, *Elite Franchise Magazine*

Bicer, I. (2018), Lessons from KFC's chicken shortage: responsiveness versus cost efficiency, *RSM Discovery*(Dutch version)

Seifert, R.W., Bicer, I. (2014), Setting up supply chain strategies for innovative product, *IMD Tomorrow's Challenges*(also reprinted by Forbes India)

IN PROCEEDINGS

Bicer, I. and Seifert, R. W. (2015), Coherent Measures of Customer Service Level, *In proceeding of the EurOMA Annual Meeting*, Neuchatel, Switzerland

Bicer, I. (2012), Pricing indirect behavioral effects in a supply chain: From the perspective of "Contracts as Reference Points", *In the proceedings of the GOR Annual Conference*, Hannover, Germany, 549-554

Bicer, I. and Bilgic, T. (2010), Improvements in solving resource-constrained shortest path problems in the column generation context, *In the proceedings of the IEEE 17th International Conference on Industrial Engineering and Engineering Management*, Xiamen, China, 655-659

Bicer, I., Sevis, D., and Bilgic, T. (2010), Bayesian credit scoring model with integration of expert knowledge and customer data, *In the proceedings of the 24th Mini EURO Conference on continuous optimization and information technologies in the financial sector*, Izmir, Turkey, 324-329

PRESENTATIONS Beyond Retail Stores: Managing Product Proliferation along the Supply Chain,
(PAST 5 YEARS)

- *POMS Annual Conference*, 2019, Washington DC, USA
- *INFORMS Annual Conference*, 2018, Phoenix, AZ, USA

Optimal dynamic order scheduling under capacity constraints given demand-forecast evolution,

- *MSOM Annual Conference*, June, 2017, University of North Carolina at Chapel Hill, NC, USA
- *POMS Annual Conference*, 2016, Orlando, FL, USA
- *EurOMA Annual Meeting*, 2016, Trondheim, Norway

The Value of Vertical Integration under Operational and Financial Considerations,

- *Dutch National Conference on Operations Management and Logistics*, April, 2018, Soesterberg, The Netherlands
- *Supply Chain Finance & Risk Management Workshop*, May, 2017, Olin Business School, University of Washington, St. Louis, USA (**by invitation from the Boeing Center of Supply Chain Innovation**)
- *INFORMS Annual Conference*, 2015, Philadelphia, PA, USA

Valuing supply-chain responsiveness under demand shocks,

- *Cass Business School Research Series*, 2018, London, UK
- *INFORMS Annual Conference*, 2014, San Francisco, CA, USA
- *POMS Annual Conference*, 2014, Atlanta, GA, USA

Improvements in operational flexibility and its implications for digitalization, *Supply Chain Logistics*, 2017, Bucharest, Romania (Press release in Romanian)

Coherent measures of customer service level, *EurOMA Annual Meeting*, 2015, Neuchatel, Switzerland

Dual sourcing under heavy-tailed demand: An extreme-value theory approach, *INFORMS Annual Conference*, 2014, San Francisco, CA, USA

Valuing quantity flexibility under supply chain disintermediation risk, *POMS Annual Conference*, 2014, Atlanta, GA, USA