

Dorothee Honhon

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Education

Ph.D. in Operations Management, Stern School of Business, New York University (2001-2006)

- Ph.D. thesis: "Essays on Assortment Planning with Consumer-driven Substitution, and Large scale Dynamic Programming". Advisors: Vishal Gaur & Sridhar Seshadri

Bachelor's and Master's degree in Management Engineering, University of Liege, Belgium (1995-2000)

Positions Held

Associate Professor in Operations Management (September 2015 - now)
Naveen Jindal School of Management, University of Texas at Dallas.

Assistant Professor in Operations Management (July 2013- August 2015)
Naveen Jindal School of Management, University of Texas at Dallas.

Visiting faculty (Summer 2018)
INSEAD, Fontainebleau campus

Visiting faculty (Summer 2016)
Université de Montreal, CIRRELT, Canada

Visiting faculty (Summer 2014)
Indian School of Business, India

Assistant Professor in Operations Management (August 2011 – July 2013)
School of Industrial Engineering, Technische Universiteit Eindhoven

Assistant Professor in Operations Management (September 2006 – 2012)
McCombs School of Business, University of Texas at Austin

Visiting Professor (Summer 2008)
MIT-Zaragoza Logistics Center, Spain.

Teaching and Research Assistant (2000-2001)
Department of Corporate Finance, University of Liege, Belgium

Research Publications

- Gaur and **Honhon**, Assortment Planning and Inventory Decisions Under a Locational Consumer Choice Model, *Management Science*, 2006, 52(10), 1528-43.
- **Honhon** and Seshadri, Admission control with incomplete information to a finite buffer queue, *Probability in the Engineering and the Information Sciences*, 2007, 21, 19-46.
- **Honhon**, Gaur and Seshadri, Assortment Planning and Inventory Decisions under stock-out based substitution, *Operations Research*, 2010, 58(5), 1364 – 1379.
- Pan and **Honhon**, Assortment planning with vertically differentiated products, *Production and Operations Management*, 2012, 21(2), 253-275. This paper was awarded the **Wickham Skinner best paper published in Production and Operations Management for 2012 award**.
- **Honhon**, Gaur and Seshadri, A Multi-Supplier Sourcing Problem with a Preference Ordering of Suppliers, *Production and Operations Management* 2012, 21(6), 1028-1041.
- **Honhon**, Jonnalagedda and Pan. Optimal Algorithms for Assortment Selection under Ranking-based Consumer Choice Models, *Manufacturing & Service Operations Management*, 2012, 14(2), 279-289.
- Ulu, **Honhon** and Alptekinoglu, Learning Consumer Tastes through Dynamic Assortments, *Operations Research*, 2012, 60(4), 833-849.
- **Honhon** and Seshadri, Fixed versus Random Proportions Demand Models for Assortment Planning, *Manufacturing & Service Operations Management*, 2013, 15(3), 378-386.
- Franceschetti, **Honhon**, van Woensel, Bektas and Laporte, The Time-Dependent Pollution-Routing Problem. *Transportation Research Part B*, 2013, 56, 265-293.
- Ehrenthal, **Honhon** and Van Woensel, The Value of Accounting for Demand Seasonality in Retail Inventory Management, *European Journal of Operational Research*, 2014, 238, 527-539.
- Franceschetti, **Honhon**, Laporte, Van Woensel & Fransoo. Strategic Fleet Management for City Logistics. *Transportation Research Part B*. 2017. 95 (January), 19-40.
- Franceschetti, Demir, **Honhon**, Van Woensel, G. Laporte and Stobbe. A metaheuristic algorithm for the time-dependent pollution-routing problem. *European Journal of Operational Research*. 2017. 259 (3), 972-991.
- **Honhon** and Pan, Improving Profits by Bundling Vertically Differentiated Products. *Production and Operations Management*, 2017, 26(8), pp 1481-1497.
- Franceschetti, **Honhon**, Van Woensel & Laporte, T. A shortest-path algorithm for the Departure Time and Speed Optimization Problem. *Transportation Science*. 2018, Vol. 52, No. 4.
- Hyndman and **Honhon**, Flexibility in Long-Term Relationships: an Experimental Study. Accepted for publication in *Manufacturing & Service Operations Management*.

Completed Research Papers

- ▶ Ulu and **Honhon**. A nonparametric Bayesian Learning Model for a Dynamic Assortment Problem with Horizontally Differentiated Products, with Canan Ulu. Revise and Resubmit at *Operations Research*.
- ▶ Hyndman and **Honhon**. Temporarily binding agreements and reputation in the prisoners' dilemma. Revise and Resubmit at *Management Science*.
- ▶ Ge, **Honhon**, Fransoo, Zhao. Supplying to mom and pop: Traditional retail channel selection in megacities. Revise and Resubmit at *Manufacturing & Service Operations Management*.
- ▶ Akkas and **Honhon**. Optimal product replenishment for perishable products in 2-stage supply chain. Major revision at *Manufacturing & Service Operations Management*.
- ▶ **Honhon**, Pan and Jonnalagedda. Heuristics for the assortment planning problem under Ranking-based Consumer Choice Models. Revise and resubmit at *IIE Transactions*.
- ▶ Kadiyala, **Honhon** & Ulu Learning from clickstream data. Reject and Resubmit at *Manufacturing & Service Operations Management*.
- ▶ Ge, **Honhon**, Fransoo, Zhao. Manufacturer Competition in the Nanostore Retail Channel. Submitted to *European Journal of Operational Research*.
- ▶ Feng, **Honhon** & Ye. Online Assortment Optimization when Consumers Refine their Search.
- ▶ DeHoratius, Gurerk, **Honhon** & Hyndman. Understanding the behavioral drivers of execution failures in retail supply chains: an experimental study using virtual reality.

Working Papers

- ▶ Inventory management and discount pricing for perishable products, with Xiajun Amy Pan and Zumbul Atan
- ▶ Optimal package sizes for perishable products, with Ismail Kirci and Alp Muharremoglu
- ▶ Selling to nanostores, with Jiwen Ge, Jan Fransoo and Lei Zhao
- ▶ Assortment planning when consumers buy n-packs, with Ying Cao
- ▶ The vicious cycle of substitution: an experimental study, with Ying Cao and Kyle Hyndman
- ▶ Buy-One-Get-One-Free now vs later: impact on profits and waste, with Qi Wu
- ▶ Can managers plan assortments? An experimental study, with Yulia Vorotynseva
- ▶ A empirical study of best practices to reduce waste at REMA retail stores, with Arzum Akkas, Elnaz Karimi and Justine Zhong
- ▶ Assortment planning for a two-sided market, with Ying Cao and Sridhar Seshadri
- ▶ Dynamic assortment planning when consumers are variety-seeking, with Ismail Kirci and Gurhan Kok
- ▶ Parsimonious choice models for dynamic assortment selection, with Bharadwaj Kadiyala

Other Publications

- ▶ Why I Love Grocery Shopping, POMS Chronicle, 2008, 15(2), 12.

Research Interests

- ▶ Waste Management, Assortment Planning, Stochastic Inventory Management, Retail Operations Management, Inventory Routing and Transportation.

Research grants

- ▶ McCombs Research Excellence Grant (2011) for the project entitled “Utilizing Multiple Information Sources: How do individuals resolve cost vs precision trade-off?” (with co-investigators Canan Ulu and Kyle Hyndman). Grant amount: 6,075 USD.

Presentations

- ▶ Emory University (coming in April 2019)
- ▶ Cornell University (coming in March 2019)
- ▶ Georgia Institute of Technology (coming in March 2019)
- ▶ University of Illinois at Urbana-Champaign (January 2019)
- ▶ INCAE, Costa Rica (November 2018)
- ▶ INFORMS Annual Meeting, Phoenix (November 2018)
- ▶ Workshop “Future of Retail Operations”, Heilbronn Germany (October 2018)
- ▶ European Working Group on Retail Operations, Eindhoven (May 2018)
- ▶ POMS Annual conference, Houston (May 2018)
- ▶ North Carolina State University (March 2018)
- ▶ Duke University, Fuqua School of Business (November 2017)
- ▶ INFORMS Annual Meeting, Houston (October 2017)
- ▶ Dartmouth College, Tuck School of Business (October 2017)
- ▶ Kedge Business School, Bordeaux, France (July 2017)
- ▶ POMS Annual conference, Seattle (May 2017)
- ▶ INFORMS Annual Meeting, Nashville (November 2016)
- ▶ International INFORMS conference, Hawaii (June 2016)
- ▶ POMS Annual conference, Orlando (May 2016)
- ▶ Boston University, Questrom School of Business (March 2016)
- ▶ University of Florida, Warrington School of Business (March 2016)
- ▶ University of Utah, David Eccles School of Business (December 2015)
- ▶ INFORMS Annual Meeting, Philadelphia (November 2015)
- ▶ Singapore Management University, Operations Management Summer Camp (August 2015)
- ▶ EBS Business School, Wiesbaden, Germany (July 2015)
- ▶ COER Conference, Harvard Business School (June 2015)
- ▶ POMS Annual conference, Washington DC (May 2015)
- ▶ University of Southern California (April 2015)
- ▶ Fashion Operations Conference, IESE Business School, Barcelona, Spain (March 2015)
- ▶ INFORMS Annual Meeting, San Francisco (November 2014)
- ▶ POMS Annual conference, Atlanta (May 2014)
- ▶ INFORMS Annual Meeting, Minneapolis (October 2013)
- ▶ Tsinghua University, Beijing (September 2013)
- ▶ Marketing Science conference, Istanbul (July 2013)
- ▶ POMS annual conference, Denver (May 2013)

- ▶ London Business School (April 2013)
- ▶ IESE, Barcelona (April 2013)
- ▶ University of Texas at Dallas (April 2013)
- ▶ POMS annual conference, Chicago (May 2012)
- ▶ INSEAD, Fontainebleau, France (February 2012)
- ▶ INFORMS annual conference, Charlotte (November 2011)
- ▶ 6th Annual Behavioral Operations conference, INSEAD Fontainebleau (June 2011)
- ▶ POMS annual conference, Reno (May 2011)
- ▶ INFORMS Annual meeting, Austin (November 2010)
- ▶ George Washington University (September 2010)
- ▶ TU/e Eindhoven University of Technology (August 2010)
- ▶ ALIO-INFORMS Joint International Meeting, Buenos Aires (June 2010)
- ▶ POMS annual conference, Vancouver (May 2010)
- ▶ INFORMS Annual Meeting, San Diego (October 2009)
- ▶ CORS-INFORMS international meeting, Toronto (June 2009)
- ▶ POMS annual conference, Orlando (May 2009)
- ▶ University of Texas at Dallas (February 2009)
- ▶ Indiana University (January 2009)
- ▶ INFORMS Annual Meeting, Washington DC (October 2008)
- ▶ INFORMS Annual Meeting, Seattle (November 2007)
- ▶ Southern Methodist University (August 2007)
- ▶ International INFORMS, Puerto Rico (2007)
- ▶ University of Michigan, Cornell, UCLA, UNC, University of Texas at Austin, INSEAD, University of Utah, University of Alberta, Universtat Pompeu Fabra, University of Melbourne, University of Ottawa, Zaragoza Logistics Center (January – March 2006)
- ▶ INFORMS Annual meeting, San Francisco (2005)
- ▶ MSOM Annual meeting, Eindhoven (2005)
- ▶ INFORMS Annual meeting, Denver (2004)

Honors and Awards

- ▶ Naveen Jindal School of Management Outstanding Graduate Teaching Award (2017-18)
- ▶ Finalist for **Jindal Faculty Idol** of the Year category in OWLIE celebration (2018)
- ▶ INFORMS Volunteer Service Award at the Meritorious level (2017)
- ▶ M&SOM Meritorious Service Award (2014)
- ▶ Obtained Dutch teaching certification Basiskwalificatie Onderwijs (BKO) in June 2013.
- ▶ Wickham Skinner **best paper published in Production and Operations Management** during 2012 Award for the paper entitled “Assortment Planning for Vertically Differentiated Products” co-authored with Xiajun Amy Pan, presented at the 24th annual POM conference, May 3-6, 2013.
- ▶ Presented in the “Best of WORMS” session at INFORMS (2011): “Three women in OR/MS present their highly influential work published in INFORMS journals in 2010.”
- ▶ Trammell/CBA Foundation Teaching Award for Assistant Professors (2011) – a \$2,500 prize
- ▶ University of Texas Regents’ Outstanding Teaching Award for Assistant Professors (2010) – a \$25,000 prize
- ▶ M&SOM Meritorious Service Award (2009)
- ▶ Stern Award for Ph.D. Teaching Excellence, New York University (2005) – a \$1,000 prize

- ▶ Taggart and Stern Fellowship, New York University (2005-2006)
- ▶ Stern Fellowship, New York University (2001-2005)
- ▶ Fonds E.G. de Barys (Fellowship), Fonds National de la Recherche Scientifique, Belgium (2001–2002)
- ▶ Dexia Prize for best undergraduate thesis, University of Liege, Belgium. (2000)

Refereeing

- ▶ Associate editor at *Management Science* (2014-now)
- ▶ Senior Editor at *Production and Operations Management* (2018-now)
- ▶ Associate editor at *4OR, a Quarterly Journal of Operations Research* (2017-now)
- ▶ Guest editor for Feature Cluster (Special Issue) of *European Journal of Operational Research* on “Digitalization and omni-channel retailing” (2018-19)
- ▶ Associate editor for Special Issue of *Naval Research Logistics* on “Analytics and Operations of Online Retailing” (2018-19)
- ▶ Ad hoc refereeing: *Management Science*, *Operations Research*, *Manufacturing and Service Operations Management*, *Operations Research Letters*, *Naval Research Logistics*, *Production and Operations Management*, *European Journal of Operational Research*, *IEEE Transactions on Engineering Management*, *Decision Sciences*, *Annals of Operations Research*, *INFORMS Journal on Computing*, *Journal of the Operational Research Society* (2006-now)

Teaching Experience

- ▶ Guest lecturer (one lecture) at North Carolina State University (March 2018)
- ▶ Inventory Management of Perishable Products to Minimize Waste, 2017, Ph.D. level, MIT-Zaragoza Logistics Center, Zaragoza, Spain
- ▶ Teaching evaluations: NA
- ▶ Retail Operations, 2013-now, Graduate level, University of Texas Dallas
- ▶ Teaching evaluations 4.9 out of 5.
- ▶ Operations Management (core), 2013-now, Graduate level, University of Texas Dallas
- ▶ Teaching evaluations: 4.87 out of 5
- ▶ Operations Management (core), 2011, MBA level, Indian School of Business
- ▶ Teaching evaluations: NA.
- ▶ Inventory Control, Ph.D. level, Eindhoven University of Technology
- ▶ Teaching evaluations: NA
- ▶ Retail Operations, 2011-13, Masters level, Eindhoven University of Technology
- ▶ Teaching evaluations: 4.28-4.45 out of 5
- ▶ Microeconomics, 2011-13 Bachelor level, Eindhoven University of Technology
- ▶ Teaching evaluations: 4.53-4.78 out of 5
- ▶ Logistics and Inventory Management, 2007-11, Undergraduate level, University of Texas at Austin
- ▶ Teaching evaluations: 4.4-4.6 out of 5
- ▶ Operations Management, 2006-11, Undergraduate level, University of Texas at Austin
- ▶ Teaching evaluations: 4.6-4.8 out of 5
- ▶ Operations Practicum, 2007, MBA level, University of Texas at Austin
- ▶ Teaching evaluations: 4.3 out of 5
- ▶ Advanced Topics in Inventory Management, 2008, Ph.D. level, MIT-Zaragoza Logistics Center, Zaragoza, Spain

- ▶ Teaching evaluations: NA
- ▶ Competitive Advantages from Operations, 2005, Undergraduate level, New York University
- ▶ Teaching evaluations: 5.4 out of 7

Ph.D. student supervision

- ▶ Zhichao Feng, University of Texas Dallas (2015-now)
- ▶ Ismail Kirci, University of Texas Dallas (2015-now)
- ▶ Yulia Vorotyntseva, University of Texas Dallas (2015-now)
- ▶ Ying Cao, University of Texas Dallas (2013-now)
- ▶ Bharadwaj Kadiyala, University of Texas Dallas (2014-now)
- ▶ Jiwen Ge, Eindhoven University of Technology (2013-now)
- ▶ Anna Franceschetti, Eindhoven University of Technology, (2011-2015)
- ▶ Xiajun Amy Pan, University of Texas at Austin, (2007-2009): co-chair of her thesis committee
- ▶ Sreelata Jonnalagedda, University of Texas at Austin (2007-2009): member of her thesis committee

Service

- ▶ **President of the College of Supply Chain Management of the POMS society (2018-19)**
- ▶ Member of the Dantzig Dissertation Award committee (2018-20)
- ▶ Past President of the Women in Operations Research and Management Science (WORMS) forum of INFORMS (2019)
- ▶ **Chair of the Retail Operations Track for the 2019 POMS conference (2018-19)**
- ▶ Organizer and host of evening session of the Beer Game with the Supply Chain Leadership Council in (March and November 2019)
- ▶ Member of the JSOM Undergraduate Research committee (2018-19)
- ▶ Panelist in session on work/life balance at the INFORMS Doctoral Colloquium (November 2018)
- ▶ **Co-chair of the 2018 MSOM conference planning committee**
- ▶ Panelist in DocNet Recruitment Forum at JSOM (November 2018)
- ▶ Member of third year review committee for Shouqiang Wang (2018)
- ▶ Member of the Selection Committee for the POMS 2018 Wickham Skinner Early Career Research Award
- ▶ **President of the Women in Operations Research and Management Science (WORMS) forum of INFORMS (2018)**
- ▶ Member of the Hiring Committee for Bin Hu (2018)
- ▶ Faculty advisor for the Global Student Challenge 2017-2018
- ▶ Chair of the POMS mentoring initiative 2017-2019
- ▶ President-Elect of the College of Supply Chain Management of the POMS society (2017-18)
- ▶ President-Elect of the Women in Operations Research and Management Science (WORMS) forum of INFORMS (2017)
- ▶ Judge for the 2017 Best Student Paper award of the College of Supply Chain Management of the POMS society (2007)
- ▶ Case-writer and judge for the Fall 2016 INFORMS Operations Management Poster competition 2.0., Naveen Jindal School of Management, UT Dallas (Fall 2016)
- ▶ Judge for the 2016 INFORMS Junior Faculty Interest Group (JFIG) paper competition
- ▶ Member of the faculty recruiting committee, Operations Management, Naveen Jindal School of

Management (2016-17)

- ▶ Member of the Ad Hoc Committee for granting of Tenure and Promotion to the Rank of Associate Professor for Lindsay King (2016-17)
- ▶ Member of the Ad Hoc Committee for mid-probationary review for Anyan Qi (2016-17)
- ▶ VP of Communication, College of Supply Chain Management of the POMS society (2015-now)
- ▶ Senior VP of meetings of the Women in Operations Research and Management Science (WORMS) forum of INFORMS (2016-2017) (2016-2017)
- ▶ Track chair for the 2016 POMS Annual Meeting
- ▶ Member of the JSOM Undergraduate Research Funding Scholarship committee (2015-now)
- ▶ Member of the 2015 World Conference in Havana, Cuba Steering Committee (2015 – 2016)
- ▶ Member of the University of Texas at Dallas senate (2015-2016)
- ▶ Judge for the 2015 College of Supply Chain Management Student Paper Competition (May 2015)
- ▶ Member of the Clinical Professor / Senior Lecturer recruiting committee, Operations Management, Naveen Jindal School of Management, UT Dallas (2015)
- ▶ Junior VP of meetings of the Women in Operations Research and Management Science (WORMS) forum of INFORMS (2015-2016)
- ▶ Case-writer and judge for the 2015 MBA Case competition, Naveen Jindal School of Management, UT Dallas (2015)
- ▶ Board member of the Production and Operations Management Society (2014-2016)
- ▶ Member of the Ph.D. student recruiting committee, Operations Management, Naveen Jindal School of Management (2014, 2015)
- ▶ Member of the faculty recruiting committee, Operations Management, Naveen Jindal School of Management (2013-14, 2014-15)
- ▶ Co-chairing the Production and Operations Management Society College of Supply Chain Management 2013 Best Student Paper Competition (2013-14)
- ▶ Chaired the INFORMS Future Academician Colloquium at the Annual meeting in Austin (2010)
- ▶ Member of the IROM Department's Executive Committee at the McCombs School of Business of the University of Texas at Austin (2009-11)
- ▶ Member of the faculty recruiting committee, Operations Management, McCombs School of Business, University of Texas at Austin (2006-2009)

Professional Affiliations

- ▶ INFORMS, Production and Operations Management Society (POMS), College of Supply Chain Management, Manufacturing & Service Operations Management Society (M&SOM), Women in OR/MS (WORMS), Consortium for Operations Excellence in Retailing (COER).

Personal Information

- ▶ Citizenship: Belgian (Lawful Permanent Resident of the USA)
- ▶ Languages: French (native language), English (fluent), Dutch (good), Spanish (basic)
- ▶ Marital Status: Married
- ▶ Hobbies: running, doing yoga, cooking and eating vegan food, writing with fountain pens.