

THE UNIVERSITY OF BRITISH COLUMBIA

Curriculum Vitae Faculty Members

Date: April 1, 2021 Initials: WTH

1. SURNAME: Huh	FIRST NAME: Woonghee
	MIDDLE NAME(S): Tim
2. DEPARTMENT/SCHOOL:	Operations and Logistics / Sauder School of Business
3. FACULTY:	Commerce and Business Administration
4. PRESENT RANK: Professor	SINCE: Jul 2015

5. POST-SECONDARY EDUCATION

University or Institution	Degree	Subject Area	Date
Cornell University	Ph.D.	Operations Research	2003
Cornell University	Master of Science	Operations Research	2001
University of Waterloo	Master of Mathematics	Combinatorics & Optimization	1998
University of Waterloo	Bachelor of Arts	Sociology	1997
University of Waterloo	Bachelor of Mathematics (Double Honors)	Computer Science and Combinatorics & Optimization	1997

6. EMPLOYMENT RECORD

(a) non-UBC Employment

University, Company or Organization	Rank or Title	Dates
Columbia University	Associate Professor	Jan 2009 - Jun 2009
Columbia University	Assistant Professor	Jul 2003 - Dec 2008

(b) UBC Employment

Rank or Title	Dates
Canada Research Chair (Tier 1) in Business Analytics and Operations Excellence	Apr 2017 - present
Professorship in Operations and Supply Chain Management	Jul 2013 - present
Associate Professor	Jul 2011 – Jun 2014
Assistant Professor	Jul 2009 - Jun 2011

THE UNIVERSITY OF BRITISH COLUMBIA
Publications Record

Date: April 1, 2021 Initials: WTH

SURNAME: Huh	FIRST NAME: Woonghee
	MIDDLE NAMES(S): Tim

1. REFEREED PUBLICATIONS

(a) Journals

Huh, W.T., Li, H. (forthcoming) Optimal Pricing under Multiple-Discrete Customer Choices and Diminishing Return of Consumption. *Operations Research*.

Zhou, S., Ding, Y., **Huh, W.T.**, Wan, G. (forthcoming) Constant Job-Allowance Policies for Appointment Scheduling: Asymptotic Optimality and Numerical Analysis. *Production and Operations Management*.

Li, H., **Huh, W.T.**, Sampaio, M., Keng, N. (forthcoming) Planning Production and Equipment Qualification under High Process Flexibility. *Production and Operations Management*.

Cho, S., Werker, G.R., Liu, A.R., Moghtader, B., **Huh, W.T.** (2020) A Three-Party Case Study: Exploring the Value of Student Work in Co-creation in Teaching and Learning. *Teaching and Learning Inquiry* 8(2).

Farahat, A., **Huh, W.T.**, Li, H. (2019). On the Relationship Between Quantity Precommitment and Cournot Games. *Operations Research*, 67(1):109-122.

Bolandnazar, M., **Huh, W.T.**, McCormick, S.T., Murota, K. (2019). Error Noted in "Order-Based Cost Optimization in Assemble-to-Order Systems" by Lu and Song (2005). *Operations Research*, 67(1):163-166.

Bo, Y., Dawande, M., **Huh, W.T.**, Janakiraman, G., Nagarajan, M. (2019). Determining Process Capacity: Intractability and Efficient Special Cases. *Manufacturing & Service Operations Management*, 21(1):139-153.

Huh, W.T., Lee, J, Park, H., Park KS. (2019). The Potty Parity Problem: Towards Gender Equality at Restrooms in Business Facilities. *Socio-Economic Planning Services*, 68.

Sabouri, A., **Huh, W.T.**, Shechter, S.M. (2017). Screening Strategies for Patients on the Kidney Transplant Waiting List. *Operations Research*, 65(5):1131-1146.

Sheng, L., Granot, D., **Huh, W.T.**, Nagarajan, M. (2017). A Dynamic Price-Only Contract: Exact and Asymptotic Results, *Operations Research Letters*, 45(6): 620-624.

Hong, Y., **Huh, W.T.**, Kang, C., (2017). Sourcing assemble-to-order inventories under supplier risk uncertainty. *Omega*, 66: 1-14.

Huh, W.T., Janakiraman, G., Nagarajan, M. (2016). Capacitated Multi-Echelon Inventory Systems: Policies and Bounds. *Manufacturing & Service Operations Management*, 18(4): 570-584.

Kocaman, A. S., Abad, C., Troy, T.J. **Huh, W.T.**, Modi, V. (2016). A Stochastic Model for a Macroscale Hybrid Renewable Energy System. *Renewable and Sustainable Energy Reviews*, 54, 688-703.

Huh, W.T., Li, H. (2015). Pricing under the Nested Attraction Model with a Multi-stage Choice Structure. *Operations Research*, 63(4): 840-850.

Sabouri, A., Shechter, S.M, **Huh, W.T.** (2015). Inspecting a Vital Component Needed upon Emergency. *Production and Operations Management*, 24(12): 1839-1851.

Kang, W., Kang, C., Hong, Y., **Huh, W.T.** (2015). Risk Propagation through a Platform: The Failure Risk Perspective on Platform Sharing. *IEEE Transactions on Engineering Management*, 62(3): 372-383.

Lee, H., **Huh, W.T.**, Sun, Y., Dance, C. (2015). Auctions in the Post-Change-Order Period. *Naval Research Logistics*, 62(3): 248-265.

Sheng, L., Zheng, H., Rong, Y., **Huh, W.T.** (2015). Flexible System Design: A Perspective from Service Levels. *Operations Research Letters*, 43(3): 219-225.

Kim, S., **Huh, W.T.**, Dasu, S. (2015). Pre-announced Posted Pricing Scheme: Existence and Uniqueness of Equilibrium Bidding Strategy. *Operations Research Letters*, 43(2): 151-160.

Bijvank, M., Bhulai, S., **Huh, W. T.** (2015). Parametric Replenishment Policies for Inventory Systems with Lost Sales and Fixed Order Cost. *European Journal of Operational Research*, 241(2): 381-390.

Bijvank, M., **Huh, W.T.**, Janakiraman, J., Kang, W. (2014). Robustness of Order-Up-To Policies in Lost-Sales Inventory Systems. *Operations Research*, 62(5): 1040-1047.

Geng, X., **Huh, W.T.**, Nagarajan, M. (2014). Sequential Resource Allocation with Constraints: Two-Customer Case. *Operations Research Letters*, 42(1): 70-75.

Alp, O., **Huh, W.T.**, Tarkan, T. (2014). Inventory Control with Multiple Setup Costs. *Manufacturing & Service Operations Management*, 16(1): 89-103.

Li, H., Graves, S., **Huh, W.T.** (2014). Optimal Capacity Conversion for Product Transitions under High Service Requirements. *Manufacturing & Service Operations Management*, 16(1): 46-60.

Huh, W.T., Rusmevichientong, P. (2014). Online Sequential Optimization with Biased Gradients: Theory and Applications to Censored Demand. *INFORMS Journal on Computing*, 26(1): 150-159.

Huh, W.T., Lall, U. (2013). Optimal Crop Choice, Irrigation Allocation, and the Impact of Contract Farming. *Production and Operations Management*, 22(5):1126-11143.

Huh, W.T., Park, K. (2013). Impact of Transfer Pricing Methods for Tax Purposes on Supply Chain Performance under Demand Uncertainty. *Naval Research Logistics*, 60(4): 269-293.

Huh, W.T., Liu, N., Truong, V. (2013). Multiresource Allocation Scheduling in Dynamic Environments. *Manufacturing & Service Operations Management*, 15(2): 280-291.

Athanassoglou, S., Sheriff, G., Siegfried, T., **Huh, W.T.** (2012). Optimal Mechanisms for Heterogeneous Multi-Cell Aquifers. *Environmental and Resource Economics*, 52(2), 265-291.

Kang, C., Hong, Y., **Huh, W.T.** (2012). Platform Replacement Planning for Management of Product-family Obsolescence. *IIE Transactions*, 44(12), 1115-1131.

Huh, W.T., Janakiraman, G. (2012). On the Optimal Policies for Inventory Systems with Batch Ordering. *Operations Research*, 60(4), 797-802.

Kocaman, A., **Huh, W.T.**, Modi, V. (2012). Initial Layout of Power Distribution Systems for Rural Electrification: A Heuristic Algorithm for Multilevel Network Design. *Applied Energy*, 96, 302-315.

Li, H., **Huh, W.T.** (2012). Optimal Pricing for a Short Life-Cycle Product whtn Customer Price-Sensitivity Varies Over Time. *Naval Research Logistics*, 59(7), 552-576.

Huh, W.T., Athanassoglou, S., Lall, U. (2012). Contract Farming in a Developing Country with Possible Negeging: Can It work? *IIMB Management Review*, 24(4), 187-202.

Shechter, S.M., **Huh, W.T.**, Slofstra, A. (2012). Simultaneous Testing of Multicharacteristic Components. *Operations Research Letters*, 40(5), 411-415.

Li, H., **Huh, W.T.** (2011). Pricing Multiple Products with the Multinomial Logit and Nested Logit Models: Concavity and Implications. *Manufacturing & Service Operations Management*, 13(4), 549-563.

Huh, W.T., Krishnamurthy, C., Weber, R. (2011). Concavity and Monotonicity Properties in a Groundwater Management Model. *Naval Research Logistics*, 58(7), 670-675.

Huh, W.T., Levi, R., Rusmevichientong, P., Orlin, J. (2011). Adaptive Data-Driven Inventory Control with Censored Demand Based on Kaplan-Meier Estimator. *Operations Research*, 59(4), 929-941.

Huh, W.T., Janakiraman, G., Muharremoglu, A., Sheopuri, A. (2011). Inventory Systems with a Generalized Cost Model. *Operations Research*, 59(4), 1040-1047.

Huh, W.T., Janakiraman, G., Nagarajan, M. (2011). Average Cost Single-Stage Inventory Models: An Analysis Using a Vanishing Discount Approach. *Operations Research*, 59(1), 143-155.

Huh, W.T., Janakiraman, G., Nagarajan, M. (2011). Capacitated Serial Inventory Systems: Sample Path and Stability Properties Under Base-Stock Policies. *Operations Research*, 58(4), 1017-1022.

Huh, W.T., Kachani, S., Sadighian, A. (2010). A Two-Stage Multi-Period Negotiation Model with Reference Price Effect. *Journal of Revenue and Pricing Management*, 9(5), 443-475.

Ayvaz, N., **Huh, W.T.** (2010). Allocation of Hospital Capacity to Multiple Types of Patients. *Journal of Revenue and Pricing Management*, 9(5), 386-398.

Huh, W.T., Janakiraman, G. (2010). Base-Stock Policies in Capacitated Assembly Systems: Convexity Properties. *Naval Research Logistics*, 57(2), 244-251.

Huh, W.T., Park, K. (2010). A Sequential Auction-Bargaining Procurement Model. *Naval Research Logistics*, 57(1), 13-32.

Huh, W.T., Janakiraman, G. (2010). On the Structure of Serial Inventory Systems with Lost Sales. *Operations Research*, 58(2), 486-491.

Kysar, J., Saito, Y., Oztop, M., Lee, D., **Huh, W.T.** (2010). Experimental Lower Bounds on Geometrically Necessary Dislocation Density. *International Journal of Plasticity*, 26(8), 1097-

Huh, W.T., Nagarajan, M. (2010). Linear Inflation Rules for the Random Yield Problem: Analysis and Computations. *Operations Research*, 58(1), 244-251.

Zvoleff, A., Kocaman, A., **Huh, W.T.**, Modi, V. (2009). The Impact of Geography on Energy Infrastructure Costs. *Energy Policy*, 37(10), 4066-4078.

Huh, W.T., Janakiraman, G., Muckstadt, J., Rusmevichientong, P. (2009). Asymptotic Optimality of Order-Up-To Policies in Lost Sales Inventory Systems. *Management Science*, 55(3), 404-420.

Huh, W.T., Janakiraman, G., Muckstadt, J., Rusmevichientong, P. (2009). An Adaptive Algorithm for Finding the Optimal Base-Stock Policy in Lost Sales Inventory Systems with Censored Demand. *Mathematics of Operations Research*, 34(2), 397-416.

Huh, W.T., Rusmevichientong, P. (2009). A Nonparametric Asymptotic Analysis of Inventory Planning with Censored Demand. *Mathematics of Operations Research*, 34(1), 103-123.

Huh, W.T., Kachani, S., Sadighian, A. (2009). Optimal Pricing and Production Planning for Subscription-Based Products. A Combined Auction-Bargaining Procurement Model. *Production and Operations Management*, 19(1), 19-39.

Huh, W.T., Janakiraman, G. (2008). Inventory Management with Auctions and Other Sales Channels: Optimality of (s, S) Policies. *Management Science*, 54(1), 139-150.

Huh, W.T., Janakiraman, G. (2008). A Sample-Path Approach to the Optimality of Echelon Order-Up-To Policies in Serial Inventory Systems. *Operations Research Letters*, 36(5), 547-550.

Huh, W.T., Janakiraman, G. (2008). (s, S) Optimality in Joint Inventory-Pricing Control: An Alternate Approach. *Operations Research*, 56(3), 783-790.

Huh, W.T., Roundy, R., Cakanyildirim, M. (2006). A General Capacity Planning Model Under Demand Uncertainty. *Naval Research Logistics*, 53(2), 137-150.

Gallego, G., **Huh, W.T.**, Kang, W., Phillips, R. (2006). Price Competition with the Attraction Demand Model: Existence of Unique Equilibrium and Its Stability. *Manufacturing & Service Operations Management*, 8(4), 359-375.

Huh, W.T., Roundy, R. (2005). A Continuous-Time Strategic Capacity Planning Model. *Naval Research Logistics*, 52(4), 329-343.

Roundy, R., Zhang, F., Cakanyildirim, M., **Huh, W.T.** (2004). Capacity Expansion for Multi-Product, Multi-Machine Manufacturing Systems with Stochastic Demand. *IIE Transactions*, 36(1), 23-36.

Huh, W.T. (2004). Finding 2-Edge Connected Spanning Subgraphs. *Operations Research Letters*, 32(3), 212-216.

Huh, W.T., Janakiraman, G., Jackson, P., Sawhney, N. (2003). Minimizing Flow Time in Cyclic Schedules for Identical Jobs with Acyclic Precedence: The Bottleneck Lowerbound. *Operations Research Letters*, 31(5), 366-374.

Huh, W.T. (2001). Software Process Improvement: Operations Perspective. *Proceedings of the Proceedings of the Portland International Conference on Management of Engineering and Technology, Portland, 2001.*

(c) *Other*

2. NON-REFEREED PUBLICATIONS

(a) *Journals*

Chien, C.-F., Dauzere-Pere, S., **Huh, W.T.**, Jang, Y.J., Morrison, J.R. (2020). Artificial Intelligence in Manufacturing and Logistics Systems: Algorithms, Applications, and Case Studies. *International Journal of Production Research* 58(9), 1730-2731.

(b) *Conference Proceedings*

(c) *Other*

3. BOOKS

(a) *Authored*

(b) *Edited*

(c) *Chapters*