

Kejia (Carrie) Hu

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Owen Graduate School of Management
401 21st Ave S, Nashville, TN, 37203

EDUCATION

- Ph.D. Operations Management, Kellogg School of Management, Northwestern University (2017)
– Empirical Operations Management (Committee: Jan A. Van Mieghem, Achal Bassamboo, Sunil Chopra, Gad Allon)
M.A. Economics, Weinberg College of Arts and Sciences, Northwestern University (2017)
M.S. Statistics, Department of Statistics, University of California, Davis (2013)
– Prediction with Generalized Linear Mixed Model using Lasso (Advisor: Jiming Jiang)
B.S. Statistics, School of Management, Fudan University, China (2011)

ACADEMIA POSITION

- 2017 - Owen Graduate School of Management, Vanderbilt University, Nashville, TN
Assistant Professor of Operations Management

RESEARCH INTERESTS

Empirical Operations Management, Structural Modeling and Causal Inference, Service Operations, Supply Chain Management, Sustainability Management, Statistics and Stochastic Modeling

PUBLICATIONS

Submitted/ Revised

1. **K. Hu**, J. Acimovic, F. Erize, D. Thomas, and J. A. Van Mieghem. Forecasting Product Life Cycle Curves: Practical Approach and Empirical Analysis. *M&SOM*. Forthcoming.
 - *Finalist at the 2017 M&SOM Practice-based Competition.*
2. **K. Hu**, G. Allon, and A. Bassamboo. Understanding Customers' Retrials in Call Centers: Preference of Service Speed and Service Quality. *Under 1st round review at Management Science.*
3. **K. Hu** and S. Chopra. Boomerang Effect after Tightening Standards: How Regulation and Competition Lead to Misconducts? *Under 1st round review at M&SOM.*

Appeared/Forthcoming

4. **K. Hu** and Y. Chen, 2016. Technological Growth of Fuel Efficiency in European Automobile Market 1975-2015. *Energy Policy*, Vol. 98, 142-148.

5. **K. Hu**, Choi, A. Sim, and J. Jiang, 2015. Best Predictive Generalized Linear Mixed Model with Predictive Lasso for High-Speed Network Data Analysis. *International Journal of Statistics and Probability*, Vol. 4 (2), 132.
6. **K. Hu**, A. Sim, D. Antoniadis, and C. Dovrolis, 2013. Estimating and Forecasting Network Traffic Performance based on Statistical Patterns Observed in SNMP Data. *Proceedings of Machine Learning and Data Mining in Pattern Recognition*, 601-615.
7. Y. Chen, Y. Zhang, Y. Fan, **K. Hu**, and J. Zhao, 2016. A Dynamic Programming Approach for Modeling Low-Carbon Fuel Technology Adoption Considering Learning-by-doing Effect. *Applied Energy*. Forthcoming.
8. G. Yu, Y. Wang, and **K. Hu**, 2016. Regional Reserves Growth Shows Decline in Annual Rate of Increase. *Oil and Gas*. Forthcoming.
9. G. Guo, Y. Zhang, and **K. Hu**, 2017. 封闭与开放平台的选择策略：基于需求与成本优势的下游厂商博弈分析。中国工业经济, Forthcoming.

Working in progress

10. **K. Hu** and S. Chopra. The Relationship between Market Share and “Green” Performance in the Automotive Industry - An Empirical Study on European Data. To be submitted to *Transportation Research, Part D: Environment*.
11. **K. Hu** and J.A. Van Mieghem. Dual-Sourcing Strategies across Product Life Cycle. *Work in Progress*.
12. **K. Hu**, A. Bassamboo, and G. Allon. Omnichannel Services. *Work in Progress*.

CASE STUDY

- Jointown Pharmaceutical Group Co Ltd, China (with Prof. Jianqiang Hu, Fudan University, China)
—Awarded as the National Top 100 MBA Case Studies, China, 2011

PROFESSIONAL EXPERIENCE

- 2012-2013, Research Intern, Scientific Data Management, Lawrence Berkeley National Lab, Berkeley, CA, U.S.
Project: Algorithm for Improving Efficiency of Data Transfer on High-speed Network
- 2012, Financial Trainee, Morgan Stanley, Sacramento, CA, U.S.
Project: Optimal Timing Policy for Asset Trading and Allocation
- 2011, Summer Internship, Yiwu County Government, China (World’s Largest Wholesale Market for Small Commodities)
Project: Evaluation the Role of Supply Chain Management of Yiwu Wholesale Market in Global Trading
- 2010, Research Intern in Supply Chain Management, Jointown Pharmaceutical Co Ltd, China
Project: A Case Study on Jointown Pharmaceutical Group Co Ltd. Inventory Management System.

TEACHING EXPERIENCE

Teaching Assistant, Kellogg School of Management, Northwestern University

- Supply Chain Management (MBA 2014 Fall, 2015 Spring/Fall, 2016 Spring/Fall; EMBA Spring 2015)
- Operations Management (MBA 2015 Winter, 2015 Summer)
- Operations Strategy (MBA 2016 Spring)
- Foundations of Operations Management (Ph.D. 2015 Winter)
- Stochastic Foundations (Ph.D. 2015 Spring)

Discussion Lecturer, University of California, Davis

- Statistical Computing (Graduate 2013 Winter; Undergraduate 2012 Fall)
- Statistical Methods for Research with SAS (Graduate 2012-2013 Spring)
- Applied Statistics for Business and Economics (Senior Undergraduate 2012 Winter)
- Applied Statistics Methods: Nonparametric Statistics (Senior Undergraduate 2013 Winter)
- Applied Statistics Methods: Analysis of Variance (Junior Undergraduate 2012 Fall)

HONORS AND AWARDS

- 2013 - Present, Graduate School Fellowship, Kellogg School of Management, Northwestern University
- 2015, Graduate School Travel Fund, Northwestern University
- 2011- 2013, Graduate School Fellowship, University of California, Davis
- 2010, Junzheng Scholarship, Junzheng Foundation, awarded to top 0.3% of the undergraduate students
- 2010, Wangdao Scholar Fellowship, Fudan University, awarded to top 2% of the undergraduate students

CONFERENCES AND WORKSHOPS

- *Understanding Customers' Retrials in Call Centers: Preference of Quality and Service Speed*
 INFORMS Conference, Nashville, TN, 2016 (Scheduled)
 POMS Conference, Orlando, FL, 2016
 INFORMS Conference, Philadelphia, PA, 2015
 POMS Conference, Washington DC, 2015
 Research Workshop at Southwestern University of Finance and Economics, China, 2015
 INFORMS Conference, San Francisco, CA, 2014
- *Fitting, Clustering and Forecasting Product Life Cycles: Model and Empirical Validation*
 INFORMS Conference, Nashville, TN, 2016 (Scheduled)
- *Does "Green" Performance Affect Market Share in the Automotive Industry? An Empirical Study*
 INFORMS Conference, Philadelphia, PA, 2015
 MSOM Conference, Toronto, Canada, 2015
 Research Workshop at School of Management, Zhejiang University, China, 2015
 INFORMS Conference, San Francisco, 2014

- *Efficiency and Effectiveness of Emission Regulations in the EU Automobile Market*
POMS Conference, Orlando, FL, 2016
- *Technological Growth of Fuel Efficiency in European Automobile Market 1975-2015*
POMS Conference, Orlando, FL, 2016
- *Dynamic Pricing for Mobile Applications*
INFORMS Conference, Philadelphia, PA, 2015
- *Stochastic Programming in Multi-stage Inventory Problem with Non-stationary Demand*
INFORMS Conference, Minneapolis, MN, 2013

SERVICE

- 2017, Session Chair of Environmental Operations Management, POMS
- 2015, Session Chair of Green Manufacturing, INFORMS
- 2014-2015, Marketing VP, Chinese Business Club, Kellogg School of Management, Northwestern University
- 2014, Finance VP, Great China Business Conference, Kellogg School of Management, Northwestern University