Xiaojia Guo

<table>
<tr><td>CONTACT
INFORMATION</td><td>Rm 4358, Robert H. Smith School of Business
7621 Mowatt Ln,College Park, MD 20742</td><td>E-mail: xjguo@umd.edu
Web: http://www.xiaojiaguo.com</td></tr>
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ACADEMIC POSITIONS

Robert H. Smith School of Business, University of Maryland, US

2021 - present   Assistant Professor in Decision, Operations and Information Technologies

Moorfields Eye Hospital, UK

2021 - present   Honorary Researcher

Darden School of Business, University of Virginia, US

2015   Visiting Scholar in Quantitative Analysis

EDUCATION

UCL School of Management, University College London, UK

2014 - 2020   Ph.D. in Management Science and Innovation
2013 - 2014   MRes. in Management Science and Innovation
2011 - 2012   MSc. in Statistics

Ocean University of China, China

2007 - 2011   BSc. in Marine Science

RESEARCH INTERESTS

Business analytics, probabilistic forecasting, machine learning, combining forecasts and data-driven operations.

PUBLICATIONS

Published

Guo, X., Grushka-Cockayne, Y. and De Reyck, B. 2020. Forecasting Airport Transfer Passenger Flow Using Real-Time Data and Machine Learning. *Manufacturing & Service Operations Management*, Forthcoming.

  - Finalist in 2019 M&SOM Practice-Based Paper Competition.

Guo, X., Grushka-Cockayne, Y. and De Reyck, B. 2020. London Heathrow Airport Uses Real-Time Analytics for Improving Operations. *INFORMS Journal on Applied Analytics* (formerly *Interfaces*) **50**(5) 325–339.

  - Finalist in 2019 Daniel H. Wagner Prize for Excellence in Operations Research Practice.

Guo, X., Beskos A. and Siddiqui A. 2016. The Natural Hedge of a Gas-Fired Power Plant. *Computational Management Science* **13** 63–86.

Under Review

Guo, X., Lichtendahl Jr, K.C. and Grushka-Cockayne, Y. An Exponential Smoothing Model with A Life Cycle Trend. Under revision.

  - Winner in 2018 INFORMS Decision Analysis Society Best Student Paper Award.
  - Finalist in 2019 POMS-JD.com Best Data-Driven Research Paper Competition.

Work in Progress

Lichtendahl Jr, K.C., **Guo, X.** and Tassone, E. Bayesian Ensembles of Unlabeled Forecasts.

Guo, X., Grushka-Cockayne, Y. and De Reyck, B. Forecasting Project Delays with Contextual Task Information and Machine Learning.

Guo, X. and Lichtendahl Jr, K.C. Quantile Regression with a Strictly Convex Objective.

Lichtendahl Jr, K.C. and **Guo, X**. A Generalized Additive Model as the Activation Function in a Neural Network.

Other Publications

De Reyck, B., **Guo, X.**, Grushka-Cockayne, Y., Lichtendahl Jr, K.C., Karasev, A., Garside, T., Coss, N. and Tasker, F., 2016. APOC Business Process Reengineering Big Data Study. *Eurocontrol Technical Report*.
De Reyck, B., Grushka-Cockayne, Y., Fragkos, I. 2021. Peer Review Optimism Bias Research. *UK Department for Transport Technical Report*.

TEACHING EXPERIENCE	**UCL School of Management**
	2017 - 2020 Instructor for Data Analytics II, undergraduate core course Evaluation: 4.1/5 in 2017, 4.3/5 in 2018, 4.5/5 in 2019 Guest lecturer for Big Data Analytics, master elective course
	2015 - 2017 Teaching assistant for Mathematical Foundations of Management III, undergraduate core course
	London Business School
	2014 - 2018 Workshop teacher and teaching assistant for Project Management, MBA elective
INVITED TALKS	2020 Robert H. Smith School of Business, University of Maryland; Department of Industrial Engineering & Decision Analytics, Hong Kong University of Science and Technology
	2019 Miami Herbert Business School, University of Miami; Rotterdam School of Management, Erasmus University; Carroll School of Management, Boston College; Alberta School of Business, University of Alberta; School of Management and Economics, The Chinese University of Hong Kong (Shenzhen);
CONFERENCE TALKS	2020 INFORMS Virtual Annual Meeting
	2019 MSOM Conference, Singapore; POMS Annual Meeting, Washington DC; INFORMS Annual Meeting, Seattle; European Technology and Operations Management, London Business School; INFORMS Advances in Decision Analysis, Milan; Trans-Atlantic Doctoral Conference, London Business School; Annual Conference of the Association of European Operational Research Societies Annual Meeting , Dublin
	2018 INFORMS, Phoenix; Annual Conference of the Operational Research Society, University of Lancaster; European Technology and Operations Management, INSEAD Paris
	2016 INFORMS Annual Meeting, Nashville
	2015 INFORMS Annual Meeting, Philadelphia

HONORS AND AWARDS	2019	Finalist in 2019 Daniel H. Wagner Prize for Excellence in Operations Research Practice
	2019	Finalist in 2019 M&SOM Practice-Based Paper Competition
	2019	Finalist in 2019 POMS-JD.com Best Data-Driven Research Paper Competition
	2018	Winner in 2018 INFORMS Decision Analysis Society Best Student Paper Award
	2018	Winner in 2018 INFORMS Aviation Application Best Student Presentation Award
	2014	UCL School of Management Scholarship
	2013	University College London Oversea Research Scholarship

INDUSTRY PROJECTS	2019	Artificial Intelligent in Project Management (Consultant to High Speed 2 and nPlan, UK)
	2018	The Agile Revolution to Sales (Consultant to Heresy, UK)
	2017	Forecasting Customer Out-of-service Curves after Storms (Consultant to PPL Electric Utilities, US)
	2016	Single European Sky Air Traffic Management Research Project WP6.3.1: Machine Learning Techniques for Airport Passenger Flow Management (Consultant to Eurocontrol and London Heathrow Airport, UK)

PROFESSIONAL SERVICE	Reviewer for Operations Research, Management Science, M&SOM, Decision Analysis (among others)
	Session chair for INFORMS Annual Meeting, 2019, 2020, EURO, 2019
	Reviewer for the INFORMS Decision Analysis Society Best Student Paper Award, 2020, 2021