

Transportation and Fulfillment Optimization at Amazon

Andrea Qualizza, Ph.D.

Principal Research Scientist
Amazon, Phoenix, AZ

Wednesday, October 28, 2020

1:00 to 2:15 PM US Arizona

https://asu.zoom.us/webinar/register/WN_3gSrnpSVT-u69VpbWpGmtw



About the Speaker

Andrea Qualizza is a Principal Scientist at Amazon specialized in order fulfillment, inventory placement, and transportation network optimization. Since he joined Amazon in 2011 his innovations have saved several hundreds of millions in Amazon's fulfillment costs to date.

Andrea holds a Master in Computer Science from the University of Udine in Italy, and a Ph.D. in Operations Research from the Tepper School of Business at Carnegie Mellon University. While at Carnegie Mellon, he worked on combinatorial optimization problems focusing on cutting planes theory for Mixed Integer Linear and Non-Linear Integer programs.

About the Talk

In this webinar, Andrea Qualizza will discuss three models spanning both real-time execution decisions as well as long term planning for transportation. Andrea will start with an execution type problem that we solve millions of times per day: deciding how to fulfill each order striving to maximize customer experience, and ensure fast delivery while keeping our costs low. He will then move onto tactical planning, specifically how we dynamically adapt our transportation network to support our ability to offer fast promises for future weeks under different demand scenarios. If time permits, Andrea will discuss our approach to improve Amazon Logistics efficiency by exploiting delivery densification opportunities and solving last-mile routing and demand assignment models together.

This seminar has been converted to a webinar and is now webcast live to a worldwide audience using Zoom.

To access the live webcast please visit:

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