

## CPA Speaker Series -Business Analytics

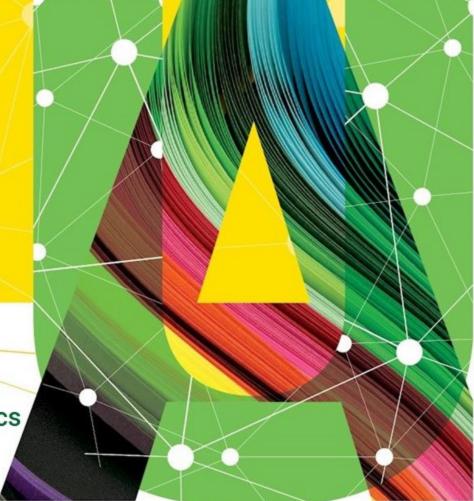
## Sentao Miao, University of Colorado Boulder

Friday, September 15, 2023 10:00 AM - 11:30 AM Location: BUS 4-04

Allocating Resources in Multi-Warehouse Multi-Store Supply Chain Networks

## **ABSTRACT**

In this talk, we discuss solving complex resource allocation problems in a multi-warehouse multistore (MWMS) supply chain network. This problem has many applications ranging from retail operations to disaster relief supply chains. We propose implementable approximation algorithms which are asymptotically optimal in the problem size, and show that some re-adjustments during the time horizon can further improve the performance. Numerical experiments show that our algorithms perform consistently with the theoretical results.



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