

Thursday, October 18, 2018

11:00am - 12:00pm, Kennesaw Campus, Clendenin Building, room 1009 (CL1009)

Péter Molnár

Lead Data Scientist for Fabric.com, Amazon and Senior Research Scientist and Adjunct Professor, J. Mack Robinson College of Business, Georgia State University

“Hidden Markov Models for Inventory Estimation”

ABSTRACT: Fabric.com, an Amazon subsidiary, is a cut-to-order e-commerce company that sells fabrics and notions through their website and Amazon.com. Unlike conventional fulfillment centers, at Fabric.com, most orders are sold by the yard, and have to be manually cut from larger roles or bolts of fabric. This process introduces a greater uncertainty about the actual stock levels. The presentation addresses challenges of inventory estimation and the use of Hidden Markov Models to improve inventory management.



BIOGRAPHY: Dr. Péter Molnár is multidisciplinary academic and business professional aiming to create value from data analytics, modeling and simulations, as he served in a variety of data science roles in the retail and e-commerce sector. He conducts academic research in social agent systems, collaborative systems, and distributed sensor-fusion.