



SUPPLY CHAIN RESEARCH **FEST**

CAMBRIDGE, MA
May 21 | 8AM-6:00PM

2019



8:00 - 8:30 REGISTRATION & BREAKFAST (E40-356 & 366, 1 Amherst St., Cambridge, MA)

8:30 - 8:45 WELCOMING REMARKS (E40-356 & 366, 1 Amherst St., Cambridge, MA)

9:00 - 9:30

[Analytical Model: Evaluating Incoterm Conversion](#) (Room E40-356); by Mark Brown & Pratik Yadav.

Advised by Bruce Arntzen

[Impact of Freight Consolidation on Logistics Cost and Emissions](#) (Room E40-366); by Ajay Mohan & Lance So.

Advised by Josue Velazquez & Karla Gamez-Perez.

[Replenishment Policies for Retail Pharmacies in Emerging Markets](#) (Room E40-210); by Juan Manuel Martínez & Kevin Chu. Advised by Chris Mejia.

[Reducing unplanned transportation costs](#) (Room E51-372); by Nishitha Reddy Aemireddy & Xiyang Yuan.

Advised by Chris Caplice.

[Demand Forecasting and Inventory Management for Spare Parts](#) (Room E51-145);

by Gaurav Chawla & Vitor Miceli. Advised by Nima Kazemi.

9:40 - 10:10

[Increasing Fleet Utilization Through a Heuristic to Determine Backhaul Routes](#) (Room E40-356);

by Geetika Tahilyani & Shrihari Venkatesh. Advised by Karla Gamez-Perez.

[Economic sustainability of mango value chain](#) (Room E40-366); by Phu Le Hai. Advised by Alexis Bateman.

[Beyond Pareto: Multi-Echelon Inventory Optimization](#) (Room E40-210); by Nate Moison.

Advised by Josue Velazquez & Sergio Caballero.

[Modeling large scale e-commerce distribution networks](#) (Room E51-372); by Nelson Calero & Yao Zhang.

Advised by Milena Janjevic.

[Switching Rules for Optimal Ordering](#) (Room E51-145); by Shilpa Shenoy & Ai Zhao. Advised by Marina Mattos.

10:20 - 10:50

[The Impact of Special Events on Freight Spot Market](#) (Room E40-356); by Olasunkanmi Famofu-Idowu & Adam Gard. Advised by David Correll & Chris Caplice.

[Gender Impact on small firms in Latin America](#) (Room E40-366); by Yen-Nong Su.

Advised by Josue Velazquez & Cansu Tayaksi.

[Improving Inventory Strategy for Consumable Material](#) (Room E40-210); by Jake Haber. Advised by Bruce Arntzen.

[E-commerce and the environment: Finding the optimal location for in-store pick-up](#) (Room E51-372);

by Carla Alvarado & Yangfei Liu. Advised by Josue Velazquez & Cansu Tayaksi.

[U.S. Consumer Preferences for Seafood Traceability](#) (Room E51-145); by Sunitha Ray. Advised by Alexis Bateman.

11:00 - 11:30

[The Impact of Product Portfolio Complexity on Fleet Size](#) (Room E40-356); by Santiago Mollard & Sebastian Bello. Advised by Jarrod Goentzel.

[Behavioral Management Patterns: Small Firms' Recipe for Growth](#) (Room E40-366); by Fadi Abou Chacra & Joshua Rocha. Advised by Josue Velazquez & Cansu Tayaksi.

[Inventory Planning in Engineer-to-Order \(ETO\) Steel Industry](#) (Room E40-210); by Don Guo.

Advised by Nima Kazemi & Josue Velazquez

[Human-Machine Interaction Design for Freight Planning Systems](#) (Room E51-372); by Bishop Ravenel.

Advised by Eva Ponce.

[Can DDMRP be a game-changer in Supply Chain Planning?](#) (Room E51-145); by Léo Ducrot & Ehtesham Ahmed.

Advised by Sergio Caballero & Tugba Efendigil.

11:40 - 12:10

[Decoupled Capacity with Powerloop](#) (Room E40-356); by Elisa Fankhauser & Ge Li. Advised by Lars Meyer.

[Ebola Response Demand Forecasting](#) (Room E40-366); by Robert Rains. Advised by Jarrod Goentzel.

[Managing Perishables with Stochastic Supply](#) (Room E40-210); by Vishwanathan Parameshwaran Iyer Nurani.

Advised by Nima Kazemi.

[Transportation Cost and Tariff Optimization](#) (Room E51-372); by Brian O'Donnell & Kristin Pedersen.

Advised by Tim Russell.

[Alternate Pricing Model for Transportation Contracts](#) (Room E51-145); by Atmaja Sinha & Rakesh Thykandi.

Advised by Chris Caplice.



12:10 - 1:30 LUNCH (E40-356 & 366, 1 Amherst St., Cambridge, MA)

1:40 - 2:10

[Horizontal Collaboration in Last Mile Delivery of Online Grocery Orders](#) (Room E40-356); by Minhui Zhang & Arun Nagarathinam. Advised by Maria Jesus Saenz & Marina Mattos.

[Aggregate Production Planning for Engineer-to-Order Products](#) (Room E40-366); by Elizaveta Shafir & Cheng Cheng. Advised by Alexander Rothkopf.

[Game of Drones...\(in the City\)](#) (Room E40-210); by Brent McCunney & Kristof Van Cauwenberghe. Advised by Mohammad Moshref

[Facility Location Optimization for Last-mile Delivery](#) (Room E51-372); by Brittany Collins & Hao Wang. Advised by Sergio Caballero.

[Machine Learning; Worth the Price of Admission?](#) (Room E51-145); by Burak Gundogdu & Jeffrey Maloney. Advised by Tugba Efendigil.

2:20 - 2:50

[Omnichannel Supply Chain Transformation for Third Party Logistics Providers](#) (Room E40-356); by Marion Konnerth & Neysan Kamranpour. Advised by Eva Ponce & Marina Mattos.

[Rebalancing Inventory across Retail Chain](#) (Room E40-366); by Hyuk Jin Cho & Ketan Lahoti. Advised by Bruce Arntzen.

[Drone Delivery Systems Optimization Algorithm](#) (Room E40-210); by Rick Kuang. Advised by Mohammad Moshref.

[Integrating Collection-and-Delivery Points in the Strategic Design of Last-Mile E-Commerce Distribution Networks](#) (Room E51-372); by Himanshu Rautela. Advised by Milena Janjevic.

[Optimal "Green" Fleet Composition through Machine Learning](#) (Room E51-145); by Vrushali Patil & Elissar Samaha. Advised by Josue Velazquez & Karla Gamez-Perez.

3:00 - 3:30

[Supply Chain Finance and Blockchain Technology for SMEs](#) (Room E40-356); by Patara Panuparb. Advised by Inma Borrella & Jim Rice

[RFID & Analytics Driving Agility in Apparel Supply Chain](#) (Room E40-366); by Peter Ting & Anil Kumar. Advised by Maria Jesus Saenz.

[Drone Delivery Systems: A comparative analysis in last-mile distribution](#) (Room E40-210); by Oriol Rosales Garcia & Antonius Santoso. Advised by Mohammad Moshref.

[Last-Mile Distribution Network Optimization in Emerging Markets: A Case Study in São Paulo, Brazil](#) (Room E51-372); by Oswaldo Almonacid Rivas & Kenneth Greene. Advised by Matthias Winkenbach.

[Predicting Shipping Time with Machine Learning](#) (Room E51-145); by Antoine Jonquais & Florian Krempel. Advised by Roar Adland & Haiying Jia.

3:40 - 4:10

[Drone Delivery: Deal or No Deal](#) (Room E40-210); by Blane Butcher & Kok Weng Lim. Advised by Justin Boutilier.

[Light Electric Freight Vehicles for Last-Mile Delivery](#) (Room E51-372); by Ronald Veldman. Advised by Matthias Winkenbach.

[Forecasting Model for Sporadic Distributor Based Markets](#) (Room E51-145); by Stanley Park & Ahmed Elazzamy. Advised by Tugba Efendigil.

4:20 - 4:50

[Incentivizing No-Rush Delivery in Omnichannel Retail](#) (Room E51-372); by Alison Heuser & Tabjeel Ashraf. Advised by Sina Golara.

[Analytics Driving Supply Chain Segmentation for Lenovo](#) (Room E51-145); by Luiz Gosling & Javier Urrutia. Advised by Maria Jesus Saenz.

5:00 - 6:30 RECEPTION (E40-356 & 366, 1 Amherst St., Cambridge, MA)



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Pictured on cover:

MIT SCM master's program Class of 2019

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