**Day 1 – Monday, March 21**

8:00  Registration

8:30  *Welcome & Breakfast*

9:10  **Keynote Speaker: Prof. Yossi Sheffi, MIT Center for Transportation & Logistics**

*The Power of Resilience: How the Best Companies Manage the Unexpected*

10:10  Break

10:30  **Paper Presentations - Parallel Sessions**

Innovative Cases Studies in Logistics & SCM I  . . . . . . . . . . . . . . . . . . . . . E51 – 372

- Agroindustrias Vida Innovation and collaborative strategies
  Mario Chong; Carlos Rodrich; Daniel Salazar; Julio Burgos

- Demand Driven MRP for retail and new collection/product launching
  David Poveda

- Financial Risk Measurement in a Model of Supply of Raw Materials
  Diego Fernando Manotas-Duque; Leonardo Rivera-Cadavid; Stephanie Mosquera-López

- Improvement in the management of procurement for the local manufacturing processes of Chemical Peru
  Eduardo Buse; Mario Chong; César Cucho; Katty Lozada; Cynthia Ubaranes

- Towards online traceability in upcoming markets for sustainable seafood
  Titia Sjenitzer

Applied Operations Research I  . . . . . . . . . . . . . . . . . . . . . . . . . . . . E51 – 376

- A linear programming model to planning sugar cane crops to supply biofuels plants
  Jimmy Carvajal

- A two-stage location-routing problem considering compatibility vehicle-product and among products applied in Bogota
  Harol Mauricio Gamez Alban; Christopher Mejia

- Solving strategic and tactical location and routing problems through an heuristic approach
  Tomás Pavez; Ricardo Giesen; Nikolas Julio; Pablo Mandujano

- Hybrid heuristic method to solve a two-stage capacitated facility location problem
  Rómulo Rabello; Geraldo Mauri; Gladyston Ribeiro

- Improvement in the inventories planning in Caynarachi
  Jorge Urbina; Solange Coz; Roberto Sequeiros; Mario Chong

Urban Logistics I  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E51 – 395

- Analysis of the effect of traffic mitigation policy “Pico y Placa” on rush hour traffic in Quito utilizing cell phone tracking data
  Michael Calderon; Ximena Cordova-Vallejo; Daniel Merchan

- High-Resolution Urban Freight Modeling
  Sergio Alex Caballero Caballero; Eva Ponce-Cueto

- Multipurpose transfer station design for Municipal Solid Waste based on reverse Cross Docking
  Jhan Nuñez; Juan Victoria; Pablo Manyoma

- Rebalancing Operations in Mexico City’s Bike-sharing System
  Fernanda Sottil De Aguinaga

12:10  Break

12:30  Lunch.  *The MIT Graduate Certificate in Logistics & SCM - Informative Session*
14:00  **Paper Presentations - Parallel Sessions**

Innovative Cases Studies in Logistics & SCM II . . . . . . . . . . . . . E51 – 372

- *Business plan for managing the pallet flow on ceramic manufacturing sector*
  Martin Tejedo; Fiorella Vinces; David Cuba; Mario Chong

- *EDR systems and technical training integration towards cost and accident reduction on road freight transportation in Brazil*
  Luid Pereira de Oliveira; Carlos Marques; Marcelino Aurélio Vieira Da Silva; Felipe Jimenez

- *Out of the Box portfolio - Avon Cosmetics LTDA.*
  Ricardo Rodrigues; Adriana Vivian; Daniel Valencia; Juliana Miyabara; Gustavo Preciado; Matias Biragnet; Marcelo Frias

- *Supply chain risk assessment using discrete-event simulation: A case study in Colombia*
  Jhonatan Méndez Céspedes; Osman Camilo Soto Cardona; Presen. Felipe Serrano

Applied Operations Research II. . . . . . . . . . . . . . . . . . . . . . . . . . E51 – 376

- *A discrete event simulation model for relocation problems of Emergency Medical Service vehicles: a case study*
  Alma Karina Rodriguez Quintero; Gloria M. Osorno O.; Pablo A. Maya D.

- *Multi criteria location’s model of center of solid wate disposal in Valle del Cauca Colombia*
  Carlos Alberto Rojas Trejos; Julián González Velasco

- *Multistage kidney exchange program optimization model using integer programming*
  Edna Rocío Pérez Malaver; William Javier Guerrero Rueda; Victoria Eugenia Ospina Becerra

- *Optimization Plan for recyclable solid waste management in Chaclacayo District*
  Sandra Honorio; Gaby Sifuentes; Mario Chong

Urban Logistics II . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . E51 – 395

- *An urban freight transport observatory for optimal mobility and distribution*
  Yohany Jimenez; Andres Polania

- *Innovative urban freight distribution initiatives in Madrid and Barcelona*
  Eva Ponce-Cueto

- *One size does not necessarily fit all: A comparison of logistics profiles and potential policy solutions in different congested urban zones in Quito Ecuador*
  Carlos Suárez-Núñez; Daniel Merchán

- *Risk Management in Urban Transport Systems for Logistcs Planning in Brasilia Brazil*
  Erich Wolff; Manoel Messias Ribeiro Dos Santos Filho

15:40  Break

16:00  **Paper Presentations - Parallel Sessions**

Innovative Cases Studies in Logistics & SCM III . . . . . . . . . . . . . E51 – 372

- *An MRO inventory management system for an oil and gas company*
  Carlos Rodrigo Ruiz Cruz; Jose Fernando Pacheco Rodriguez

- *Characterization of urban logistics in an HORECA intensive area Case study: “The T Zone” in Bogotá Colombia*
  Jorge Chicaiza; David Hidalgo

- *Simple and efficient tool for reduction in total inventory for Mexican retail industries*
  Miguel A. Moreno; Samuel Nucamendi-Guillén

- *The effect of road gradient on vehicle routing decisions. The case of hilly topography cities*
  Victor Fabio Suarez-Chilma; William Ariel Sarache Castro; Yasel Costa-Salas
• **A Comprehensive Disaggregated Urban Freight Model for Policy Evaluation**
  Yinjin Lee; Edgar Blanco; Christopher Zegras; Moshe Ben-Akiva

• **Evaluation of best practices introduction for the managerial improvement in the urban freight transport**
  Cintia Oliveira Mestre; Marcio De Almeida D'Agosto; Mauricio De Figueiredo Preger; Daniel Neves Schmitz Gonçalves; Fabio Dos Santos Gonçalves; Fabiana Do Couto Assumpcao; Lino Guimarães Marujo

• **Organic chocolate export to the United States**
  Gonzalo Mori; Mario Chong; Luis Lavaggi; Miguel Rozas

• **The Sao Paulo Off-Hour Delivery Pilot: Impacts for City Logistics**
  Hugo Yoshizaki; Claudio Cunha; Joice Giacon; Flavio Almeida; Iara Kako; Patricia Laranjeiro; Celso Hino

Student Paper Competition

• **A multi-criteria approach for item classification in an inventory system applied to an emergency medical services**
  Viviana Hernandez (Carvajal)

• **Optimization in urban transport: An intermodal simulation with emphasis on energy efficiency**
  Shadia S. A. Bortolazzo; Eugênio Cavallazzi; Amir Mattar Valente

• **Re-designing the water-distribution system in low-income areas: A social-oriented supply chain model for Pamplona Alta**
  Mauricio Rada Orellana; Maria De Fátima León; María Fernanda Fierro

• **Supply Chain Decision Making: A System Dynamics Approach**
  Juan Sebastián López Lasprilla; Andrés Felipe Cardona Triana

• **Urban Logistics Solutions in Latin America: A Study of a Modern Commercially Dense Neighborhood in the City of Quito-Ecuador**
  Omar Esteban Aguirre; José Muñoz

• **Urban logistics: Generating solutions to create a better environment for commercial logistic activities. A case study of the Historic Center of Quito**
  Sol María López Castelo; Juan Martín Sosa Valdez

17:40 **Reception** – Samberg Conference Center, Building E52-7th Floor, Salon M

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**Day 2 – Tuesday, March 22**

8:00 **Breakfast**

8:30 **Paper Presentations - Parallel Sessions**

**Sustainability I**

• **Eco-driving by replicating best driving practices**
  José Ignacio Huertas; Jenny Diaz R.; Daniel Guillermo Cordero M.; Lina M. Tabares; Pablo A. Marin L

• **Car-free centres as a support method to urban planning: experiences from the perspective of Latin America's countries**
  Shadia Silveira Assaf Bortolazzo; Melina Fujiwara; Joao Carlos Souza; Amir Mattar Valente

• **Returns Management Process for food recovery in Colombian retail sector**
  Daniela Florez; Vivian Rangel; Nicolas Giraldo

• **Using a Dynamic Systems Perspective to dimensioning an electric bike sharing system: encouraging sustainable mobility in Universities**
  Karla Gamez; Jenny Diaz; Eleazar Puente
General Topics on Logistics & SCM I ... E51 – 376
• Location’s model of zones modal interchange logistics corridor Bogotá - Buenaventura in Colombia
  Julián González Velasco; Carlos Alberto Rojas Trejos; Carlos Julio Vidal Holguín;
  Juan Carlos Metaute
• Optimization under uncertainty for the retail location problem
  Cristian David Ramirez Pico; Michel De Lara; William Javier Guerrero Rueda
• Stochastic multi-objective optimization approach to redesign the sustainable reverse supply chain
  network for plastic recycling
  Michael Feito Cespon; William A Sarache; Frank Piedra Jimenez; Roberto Cespon Castro
• Valuation of a distribution center of an auxiliary rail freight terminal: Using real options with fuzzy
  sets and binomial trees
  Fernando Cruz-Aranda; Francisco Ortiz-Arango; Agustin I. Cabrera-Llanos

10:10 Break
10:30 Paper Presentations - Parallel Sessions
Sustainability II E51 – 372
• Mixed integer formulations for the green location routing Problem
  David Cortés; William Guerrero; Jairo Montoya-Torres
• Urban Rail Transport in Brazil: barriers and trends
  Melina Fujiwara; Shadia S. Assaf Bortolazzo; Joao Carlos Souza
• Fuel consumption in freight long distance in Colombia
  Jenny Diaz-Ramirez; Nicolas Giraldo P; Jose Ignacio Huertas Cardozo;
  Christopher Mejia Argüeta; Vivian Rangel
• Optimization Model for Efficiency Energy of Road Freight Transport
  Jorge Luis Chicaiza Vaca; Jose Gabriel Zato Recellado

General Topics on Logistics & SCM II E51 – 376
• The Best Sales and Operation Model for Amcor Rigid Plastic Del Perú S.A.
  Claudia Fiorella Fabian Vargas; Marko Polo Sanchez; Mario Orna Castro
• An agent-based simulation of intermediation in food supply chains: A case study
  Gonzalo Mejía; César García-Díaz
• Realities of land transport in Colombia: Context and Lessons from the point of view of an emerging
  economy
  David Hidalgo; Wilman Rivera; Maria Carolina Poveda; Juan Rey
• The inventory-routing problem with hard time windows
  Eliseo Perez; William Guerrero

12:00 Keynote Speaker: Prof. César Hidalgo, MIT Media Lab
Why Information Grows
13:00 Lunch
14:00 Paper Presentations - Parallel Sessions
General Topics on Logistics & SCM III E51 – 376
• A methodology for VSP with heterogeneous fleet
  Marcela María Morales Chávez; Mauricio Granada; William Ariel Sarache Castro; Yasel Costa
• A proposed set of criteria for supply chain strategy evaluation
  Roberto Perez-Franco; Chris Caplice; Yossi Sheffi
• An empirical analysis of the robustness of the parameters of the Inventory Control Policy (ROPQ)
  using simulation
  Carlos Castro-Zuluaga; Jaime Castro-Urrego
• Supply Chain Optimization for a Developing Furniture Manufacturer
  Magdalena Liñero; Tanya De Andres; Alberto Canales
International Trade & Logistics

- Estimating the impact of trade facilitation in regional supply chains: A case study in Colombia
  Carlos Paternina-Arboleda; Tatiana Alfaro-Diaz
- Impact on fuel consumption of the use of fuel additives on heavy duty trucks and buses under different driving conditions
  Martin Tanco; Matias Aresti; Julio Villalobos; Diego Moratorio; Daniel Jurburg; Agustina Aguirre; Matias Escuder
- Improved process for delivery in empty containers refrigerated in LICSA
  Mario Chong; Erick Purizaga; Néstor Rodriguez; Angélica Poquioma
- Value-Added Logistics-Services Potential after Panama Canal Expansion
  Zoila Yadira Guerra de Castillo; Juan Marcos Castillo; Pablo Alcides Arosemena; Ada Carolina Kelso

15:40 Break

16:00 **Keynote Speaker: Prof. Carolina Osorio**, MIT Department of Civil & Environmental Engineering
Large-scale urban transportation system design and operations in the era of connected, autonomous and real-time responsive vehicles and travelers.

17:00 **Student Competition Award Ceremony & Adjourn**