2019 I-NUF Conference Detailed Agenda
(as of 10/18/2019)

Topics
1. Local/last mile pickup and delivery
2. Trade nodes and hubs – ports, airports, distribution hubs
3. Freight modes – trucking, rail, water
4. Urban modeling and planning
5. New technology
6. Changing consumption, production and spatial organization
7. Best practices

Wednesday, October 16, 2019

7:30-8:30 AM Continental Breakfast and Check In
Vista del Mar

8:30-10:00 AM    Opening Plenary Session
Lagunita Pavilion

Host: Genevieve Giuliano, Director, METRANS

Welcome Speakers: Henrik Nolmark, Director, Volvo Research and Educational Foundations; Neeraj Sood, Vice Dean, Sol Price School of Public Policy, USC; Simon Kim, Associate Vice President, Research and Sponsored Programs, CSULB; John Keisler, Director of Economic and Property Development, City of Long Beach; Caitlin Hughes, Director, Freight Management and Operations, FHWA

Introduction: Genevieve Giuliano, METRANS

Keynote Speaker: Ian Roark, Vice President, Workforce Development, Pima Community College

Title: Looking Ahead: Workforce Development for Transportation & Logistics in the 4th Industrial Revolution

10:00-10:30 AM     Break – Vista del Mar

10:30 AM-Noon    Concurrent Sessions

Mirador
Track 1-1 So What’s With this Bicycle for Last Mile Deliveries?
Session Moderator: Alison Conway, The City College of New York

The bicycle as contribution to the logistic efficiency of freight transport in the last mile
Presenter: Guillermo Arcila Mena, Universidad Nacional de Colombia at Medellin
Co-authors: Carlos A. Gonzalez-Calderon and John Jairo Posada-Henao, Universidad Nacional de Colombia at Medellin

Eco-Transfer System to Foster Sustainable Last-Leg Delivery Modes
Presenter: Sofia Perez-Guzman, Rensselaer Polytechnic Institute
Co-author: Carla Wang, Rensselaer Polytechnic Institute

Cargo bikes – A risen star in last mile pickup and delivery
Presenter: Aanan Sutaria, University of Antwerp
Co-authors: Ivan Cardenas and Thierry Vanselander, University of Antwerp
Automation of Chittagong port for increasing the container handling capacity and port efficiency to meet the demand of port users
Presenter: Razon Chandra Saha, Bangladesh University of Professionals

Impacts of Implementing Zero Emission Container Handling Equipment on a Container Terminal
Presenter: Doug Thiessen, Moffatt & Nichol
Co-authors: Kerry Simpson and Pekka Ranta, Moffatt & Nichol

A proposal for zero-emissions, electrified short-haul ‘rolling highway’ intermodal freight rail in the Southern California region
Presenter: Brian Yanity, Rail Propulsion Systems
Co-authors: Thomas White, VTD Rail Consulting and Jan Eriksson, FlexiwaggonAB

Special Session 1 Maximizing Multimodal Connections for Improved First-/Last-Mile Freight Mobility: Noteworthy Practices from the U.S. and Abroad
Jointly sponsored by FHWA, TRB Urban Freight Transportation Committee, and AASHTO

Session Moderator: Tamiko Burnell, Federal Highway Administration
Panelists:
Jill Lemke, Manager of Strategic Planning & Special Projects, Maryland Port Authority
Daniel Pallme, Assistant Chief of Freight and Logistics, Tennessee Department of Transportation
Scott Drumm, Director of Research and Strategic Analysis, Port of Portland

Characterization of Spatial Patterns in MSA
Presenter: Juvena Ng, Rensselaer Polytechnic Institute
Co-authors: José Holguin-Veras, Carlos Rivera-Gonzalez, and Joshua Schmid, Rensselaer Polytechnic Institute

Spatial Patterns of Freight-Intensive Sectors
Presenter: Carlos Rivera-Gonzalez, Rensselaer Polytechnic Institute
Co-authors: José Holguin-Veras and Oriana Calderon-Quevedo, Rensselaer Polytechnic Institute

Noon-1:30 PM Lunch
Lagunita Pavilion

Introduction: Ray Familathe, President, ILWU Local 13

Keynote Speaker: Bernie Kotlier, Executive Director, Labor Management Cooperation Committee and National Co-chair, Electric Vehicle Infrastructure Training Program

Keynote Title: Electrification of the Last Mile
Mirador
Track 1-2 Understanding the Impacts of Last Mile Services and Behaviors
Session Moderator: Laetitia Dablanc, IFSTTAR

CEP services in terms of sustainability - Simulating the impact of urban last-mile delivery services in terms of CO2 emission outputs
Presenter: Marvin Auf der Landwehr, Hochschule Hannover
Co-authors: Christoph van Viebahn, Maik Trott and Jan Dünte, Hochschule Hannover

Consumer and business characteristics of ‘Instant Deliveries’ in Brazil: a need for new public policies
Presenter: Leise Kelli de Oliveira, UFMG
Co-authors: Carla de Oliveira Leite Nascimento, Caio Henrique de Oliveira Lobo Cordeiro, and Pedro Henrique Caldeira Caliari, UFMG; Laetitia Dablanc, IFSTTAR/University of Paris-East

E-Commerce Impacts on Regional Travel and Energy Use: Household Shopping and Parcel Delivery Tradeoffs
Presenter: Monique Stinson, Argonne National Laboratory
Co-authors: Amnesha Enam and Joshua Auld, Argonne National Laboratory; Amy Moore, Oak Ridge National Laboratory

How sustainable are home delivery concepts in an urban context? Quantifying the emission output impacts of e-grocery on different city district types
Presenter: Maik Trott, Hochschule Hannover
Co-authors: Marvin Auf der Landwehr and Christoph von Viebahn, Hochschule Hannover

Civil
Track 3-2 Truck Traffic Analysis
Session Moderator: Hossein Jula, California State University, Long Beach

Characterization of Truck Traffic in Metro Manila
Presenter: Riches Bacero, De La Salle University
Co-author: Alexis Fillone, De La Salle University

Traffic and Infrastructure Implications of Deploying Connected, Autonomous Drayage Trucks
Presenter: Jean-Daniel Saphores, Institute of Transportation Studies, University of California, Irvine
Co-author: Monica Ramirez Ibarra, Institute of Transportation Studies, University of California, Irvine

Tikal
Track 2-1 Distribution Network Design Innovations
Session Moderator: José Holguin-Veras, Rensselaer Polytechnic Institute

A new method of network design for urban distribution: The case of gasoline distribution.
Presenter: Mario Monsreal, Texas A&M Transportation Institute

Distribution Structure Design: A Study of 3 Industry Sections
Presenter: Alexander Onstein, Delft University of Technology
Co-authors: Lóránt A. Tavasszy, Delft University of Technology and Dick A. Van Damme, Amsterdam University of Applied Science

The Distribution Networks of E-commerce: Emergence of a Geography of City Logistics
Presenter: Jean-Paul Rodrigue, Hofstra University
Luna Solstice
Track 4-5  Freight Modeling Examples Around the World
Session Moderator: Miguel Jaller, University of California, Davis

Robust VSL Control and Impact on Traffic with High Volume of Trucks
Presenter: Faisal Alasiri, University of Southern California
Co-authors: Yihang Zhang and Petros Ioannou, University of Southern California

A Carrier Load Pricing Model with Seasonality and Forward-/Back-Haul Pricing Differences
Presenter: Monique Stinson, Argonne National Laboratory
Co-authors: Ehsan Rahimi and Abolfazl (Kouro) Mohammadian, University of Illinois at Chicago

Intermodal freight transportation facilities for two major cities of Bangladesh in providing maritime logistics support to cater to international trade
Presenter: Razon Chandra Saha, Bangladesh University of Professionals

Effects of Urban Freight on Bridge Repair Schedule Following a Disaster
Presenter: Mehrnaz Doustmohammadi, University of Alabama in Huntsville
Co-authors: Eric Merschman, Abdullahi M. Salman, and Michael Anderson, University of Alabama in Huntsville

3:00-3:30 PM  Break – Vista del Mar
3:30-5:00 PM  Concurrent Sessions

Mirador
Track 1-3  Micro Hubs, Lockers and Collect Points
Session Moderator: Caitlin Hughes, FHWA

Exploring consumers’ omnichannel behaviour and the impact on last mile and sustainability
Presenter: Heleen Buldeo Rai, Vrije Universiteit Brussel
Co-authors: Koen Mommens, Sara Verlinde and Cathy Macharis, Vrije Universiteit Brussel

Local “hives”: How added-value services can make micro-hubs for urban goods distribution a success
Presenter: Ivan Dario Cardenas Barbosa, University of Antwerp
Co-authors: Roel Gevaers and Joris Becker, University of Antwerp

Analyzing the operational and cost impacts of pick-up points on e-commerce’s last mile distribution: the case of São Paulo, Brazil
Presenter: Claudio B. Cunha, University of São Paulo
Co-authors: Rhandal Masteguim, University of São Paulo and Eva Ponce, Massachusetts Institute of Technology

The Spatial Dynamics of Amazon Lockers in Los Angeles County
Presenter: Jiawen Fang, University of Southern California

Civil
Track 3-3 Container and Vehicle Scheduling
Session Moderator: Matthew Roorda, University of Toronto

A distributed simulation-based load balancing method for traffic assignment in a large-scale network
Presenter: Penfei Chen, University of Southern California
Co-authors: Petros Ioannou and Maged Dessouky, University of Southern California
Distribution of non-alcoholic beverages in the city of Lima  
Presenter: Mario Chong, Universidad del Pacifico  
Co-author: Juan Manuel Machuca, Universidad de Pacifico

Truck Driver Shortest Path and Scheduling Problem with Working Hours and Parking Availability Constraints  
Presenter: Filipe Vital, University of Southern California  
Co-author: Petros Ioannou, University of Southern California

Solving the Empty Container Problem using Double-Container Trucks under Stochastic Demand  
Presenter: Siyuan Yao, University of Southern California  
Co-authors: Santiago Carvajal and Maged Dessouky, University of Southern California

Tikal  
Track 2-2  Urban Freight Trucking Efficiency  
Session Moderator: Anastasios Chassiakos, California State University, Long Beach

Dynamic Scheduling of Chassis Movements with Chassis Processing Facilities in the Loop  
Presenter: Timothy VanderBeek, Boeing/California State University, Long Beach  
Co-authors: Hossein Jula and Anastasios Chassiakos, California State University, Long Beach

Port container drayage: disruptions and interventions in urban context  
Presenter: Peter V Hall, Simon Fraser University  
Co-author: Thomas O’Brien, California State University, Long Beach

Truck Platooning from Urban Multimodal Facilities  
Presenter: Matthew Reiter, University of California, Berkeley

Luna Solstice  
Track 7-1  Global Solutions for Sustainable Urban Freight  
Session Moderator: Jee-Sun Lee, The Korea Transport Institute (KOTI)

Sustainable and efficient urban freight transport – best practices in Stockholm City  
Co-Presenters: Magnus Blinge, Scania CV and Robin Billsjö, City of Stockholm

Urban Freight and Logistics: Current State of Practices in India  
Presenter: Ankit Gupta, Indian Institute of Technology (Banaras Hindu University)

ZEV Routing and Fleet Size Minimization for Drayage Operations  
Presenter: Shichun Hu, University of Southern California  
Co-author: Maged Dessouky, University of Southern California

Factors associated with truck dwell times in downtown Seattle  
Presenter: Haena Kim, University of Washington  
Co-authors: Anne Goodchild and Linda Ng Boyle, University of Washington

5:00-7:00 PM  Reception  
Esplanade
Thursday, October 17, 2019

7:30-8:30 AM  Continental Breakfast and Check In
Vista del Mar

8:30-10:00 AM  Plenary Session
Lagunita Pavilion

The Future of Last Touch Delivery: Balancing Industry Needs and Community Impacts

Moderator: Kevin Turner, Executive Director, Cushman & Wakefield

Panelists:
Dan Floriani, President & Co-Founder, Pacific Industrial
Noel Massie, U.S. Operations Manager, UPS (retired)
Kim Snyder, President, West Region, Prologis
Michael Maricic, International Sales Executive, FedEx

10:00-10:30 AM  Break – Vista del Mar

10:30 AM-Noon  Concurrent Sessions

Mirador

Track 1-4  Not So Easy Finding a Space for Loading/Unloading in Cities
Session Moderator: Michael Browne, University of Gothenburg

Do commercial vehicles cruise for parking?
Presenter: Giacomo Dalla Chiara, University of Washington
Co-author: Anne Goodchild, University of Washington

A Quantitative and Qualitative Understanding of Curbside Access Challenges for Last Mile Delivery in Los Angeles
Presenter: Scott Strelecki, Southern California Association of Governments
Co-authors: Alison Linder and Annie Nam, Southern California Association of Governments

On-Street Parking Capacity for Freight and Service Activity
Presenter: Diana Ramirez-Rios, Rensselaer Polytechnic Institute
Co-authors: José Holguín-Veras and Lokesh Kalahasthi, Rensselaer Polytechnic Institute

NYC Clear Curbs: Implications for Goods Movement – Phase II
Presenter: Yaxin Zhang, The City College of New York
Co-authors: Quanquan Chen, North Jersey Transportation Planning Authority; Carla Tejada and Alison Conway, The City College of New York

Cival

Track 3-4  Urban Logistic Models
Session Moderator: Seiji Steimetz, California State University, Long Beach

Factors explaining the use of cargo bikes and cars in urban logistics: results from a stated preference experiment in Germany
Presenter: Johannes Gruber, DLR/German Aerospace Center
Co-authors: Lars Thomas, Humboldt University of Berlin; Felix Stecks, DLR/German Aerospace Center

Chassis: What in the World Will We Do?
Presenter: Bethany Stich, University of New Orleans
Co-author: Carol Short, University of New Orleans

Lessons learned from SCAG’s external Heavy Duty Truck (HDT) model enhancement
Presenter: Stephen Yoon, Southern California Association of Governments
Co-author: Mana Sankapichai Southern California Association of Governments

**Tikal**

**Track 2-3 Improving Seaport and Airport Infrastructure**
*Session Moderator: Genevieve Giuliano, University of Southern California*

**Modelling Port Elasticity**
*Presenter: Philip Davies, Davies Transportation Consulting, Inc.*

**San Pedro Bay Portwide Rail Study**
*Presenter: Shashank Patil, Port of Long Beach*
*Co-authors: Kerry Cartwright and Shozo Yoshikawa, Port of Los Angeles; Allison Yoh and Theresa Dau-Ngo, Port of Long Beach; Carlo Luzzi, AECOM*

**Evaluating the Role of Resilience in Reducing Economic Losses From Disasters: A Multi-Regional Analysis of A Seaport Disruption**
*Presenter: Dan Wei, University of Southern California*
*Co-authors: Zhenhua Chen, The Ohio State University and Adam Rose, University of Southern California*

**Key Success Factors to Attract E-commerce Logistics Activities at an Airport**
*Presenter: Wouter Dewulf, University of Antwerp*
*Co-authors: Ivan Cardenas and Thomas Van Assch, University of Antwerp*

**Luna Solstice**

**Track 7-2 Shipping in the City**
*Session Moderator: Jeff Wojtowicz, Rensselaer Polytechnic Institute*

**Developing Design Guidelines for Commercial Vehicle Envelopes on Urban Streets**
*Presenter: Edward McCormack, University of Washington*
*Co-author: Anne Goodchild, University of Washington*

**How Do Smart Growth Cities Take On Rocket Increase of E-Commerce? Assessing Effective Strategies for California Cities**
*Presenter: Nico Boyd, Fehr & Peers*
*Co-author: Fatemeh Ranaiefar, Fehr & Peers*

**Cargo bikes: an alternative to improve shipments in urban centers**
*Presenter: Carlos Andrés Granada-Muñoz, Universidad Nacional de Colombia at Medellin*
*Co-authors: Guillermo Arcila-Mena, Carlos A. Gonzalez-Calderon, John Jairo Posada-Henao, Universidad Nacional de Colombia at Medellin*

**Recommendations and Pilot Projects to Improve Curbside Access for Last Mile Delivery in Los Angeles**
*Presenter: Alison Linder, Southern California Association of Governments*
*Co-authors: Scott Strelecki and Annie Nam, Southern California Association of Governments*

**Noon- 1:30 PM  Keynote Luncheon**
Lagunita Pavilion

**Speaker Introductions:** Thomas O’Brien, Executive Director, CITT, CSULB

**Special Speaker:** Jordan Marks, AGL Student, Cabrillo High School, Long Beach Unified School District

**Keynote Speaker:** Alison Conway, Associate Professor, Civil Engineering, City College of New York

**Title:** Goods Movement in a Changing Streetscape
1:30-3:00 PM  Concurrent Sessions

**Mirador** Track 1-5  Data, Simulation, Optimization Tools for Last Miles
Session Moderator:  Bill Eisele, Texas A&A Transportation Institute

Cracking the Freight Data Nut: Estimating Center City Inbound and Outbound Vehicle Volumes from Cordon Counts
Presenter:  Gabriela Giron-Valderrama, University of Washington
Co-author:  Anne Goodchild, University of Washington

Creation of a Database for Delivery Journeys in Urban Centres
Presenter:  Dominic Hofmann, Frankfurt University of Applied Sciences
Co-authors:  Petra K. Schäfer and Kai-Oliver Schocke, Frankfurt University of Applied Sciences

Express Package Delivery Optimization Using On-Foot Personnel, Cargo Tricycles and Delivery Trucks: A Case Study for Downtown Toronto
Presenter:  Patrick Meredith-Karan, Massachusetts Institute of Technology
Co-authors:  Jia Hui Jiang, Sina Bahrami, and Matthew J. Roorda, University of Toronto

**Civil**
Track 4-1  Understanding Stakeholders Operations and Perspectives for Policy and Planning
Session Moderator:  Tyler Reeb, California State University, Long Beach

Stakeholders Perceptions to Sustainable Urban Freight Policies in Emerging Economies
Presenter:  Johanna Amaya Leal, Iowa State University
Co-authors:  Julia Arellana Ochoa and Maira Delgado Lindeman, Universidad del Norte

Collaboration in city logistics using interactive simulation: feedbacks from two workshops (non-expert and expert participants)
Presenter:  Arthur Gaudron, MINES Paris Tech
Co-authors:  Simon Tamayo and Arnaud de La Fortelle, MINES Paris Tech

Coordinated Freight Routing with Participation Incentives for Multiple Classes of Users
Presenter:  Aristotelis-Angelos Papadopoulos, University of Southern California
Co-authors:  Ioannis Kordonis, Maged Dessouky, and Petro Ioannou, University of Southern California

Identifying Trucking Needs within Today's Urban Planning
Presenter:  Jeffrey Short, American Trucking Research Institute

**Tikal**
Track 5-1  Traffic Management in a Connected Environment
Session Moderator:  Jean-Paul Rodrigue, Hofstra University

Evaluating left turn saturation flow rate at signalized intersections by applying Floating Car Data (FCD) Technology
Presenter:  Nasima Bhuiyan, California State University, Long Beach and Stamford University Bangladesh

Presenter:  Laetitia Dablanc, IFSTTAR/University of Paris-East
Co-authors:  Anne Aruilera, IFSTTAR and Alain Rallet, University of Paris-South

Technology Evaluation Methods for Informed Decision-Making
Presenter:  Kat Janowicz, 3COTECH, Inc.
The importance of freight networks and partnerships in fostering sustainable urban freight initiatives  
Presenter: Michael Browne, University of Gothenburg

Improving Reliability and Efficiency on Urban Transport Networks through Freight and Transit Signal Priority Strategies  
Presenter: Evangelos Kaisar, Florida Atlantic University  
Co-authors: Stavroula Manta, Florida Atlantic University; Shahadat Iqbal and Mohammed Hadi, Florida International University

Tools to Facilitate Implementation of Effective Metropolitan Freight Transportation Strategies  
Presenter: Mario Monsreal, Texas A&M Transportation Institute  
Co-authors: Bill Eisele and Shuang Guo, Texas A&M Transportation Institute; Seckin Ozkul, University of South Florida; Fatemeh Ranaiefer and Michael Kao, Fehr & Peers

It’s just not boxes at the Port, the cargo comes in all shapes and sizes!!  
Presenter: Rajeev Seetharam, Port of Long Beach  
Co-author: Matthew Lyman, Port of Long Beach

3:30-5:00 PM  Concurrent Sessions

Mirador
Track 6-1  Planning for the Future of Freight in Urban Regions  
Session Moderator: Laetitia Dablanc, IFSTTAR

Mitigating the Impact of Freight in London: The City of London Transportation Strategy  
Presenter: Tom Parker, City of London Corporation

CivaL
Track 4-2  Freight and Environmental Sustainability  
Session Moderator: Juvena Ng, Rensselaer Polytechnic Institute

Estimating fuel consumption and environmental pollution of freight activities from GPS data  
Presenter: Trilce Encarnacion, Rensselaer Polytechnic Institute  
Co-authors: José Holguin-Veras and Carlos Rivera-Gonzalez, Rensselaer Polytechnic Institute

Estimation of Exposure to PM2.5 in Multi-contextual Segregation: A Case Study in Los Angeles County  
Presenter: Yougeng Lu, University of Southern California

Evaluating the economic impacts of sustainable policies on inventory and fleet decisions  
Presenter: Miguel Jaller, University of California, Davis  
Co-author; Carlos Otero-Palencia, University of California, Davis

Tikal
Track 5-2 New Modes, New Methods  
Session Moderator: Steve Holliday, Louisiana Department of Transportation and Development

Counting logistic vehicles in real time using deep learning  
Presenter: Arthur Gaudron, MINES Paris Tech  
Co-authors: Simon Tamayo and Salma Benslimane, MINES Paris Tech
Exploring the potential of drones for urban deliveries in the healthcare sector
Presenter: Pauline Hagerfors and Sofia Magnusson, Chalmers University of Technology
Co-authors: Ivan Sanchez-Diaz and Patrik Alexandersson, Chalmers University of Technology

A study of autonomous delivery robots and their potential impacts on freight efficiency and travel
Presenter: Dylan Jennings, Portland State University
Co-author: Miguel Figliozzi, Portland State University

Modeling Drone Delivery Costs and Speed-Range-Payload Tradeoffs
Presenter: Miguel Figliozzi, Portland State University

Luna Solstice
Track 7-4 Strategies to Address Greenhouse Gas Emissions
Session Moderator: Ed McCormack, University of Washington

The new setting and prospects of the urban freight market: the contribution of ALICE to decarbonization of European cities
Presenter: Paola Cossu, FIT/ALICE
Co-authors: Charlotte Migne FM LOGISTICS/ALICE; Sergio Güerri, ITENE/ALICE; Fernando Liesa, ALICE

Urban Goods Movement and Local Climate Action Plans: Assessing strategies to reduce greenhouse gas emissions from urban freight transportation
Presenter: Andrew Goetz, University of Denver
Co-author: Serena Alexander, San Jose State University

Emissions Produced by Intercity Freight Transportation
Presenter: Ricardo Quintero-Giraldo, Universidad Nacional de Colombia
Co-authors: John Jairo Posada-Henao and Carlos Gonzalez-Calderon, Universidad Nacional de Colombia

The City of Oslo's action being climate friendly. How to develop sustainable urban freight in the new context
Presenter: Astrid Bjørgen, SINTEF

Friday, October 18, 2019

7:30-8:30 AM    Continental Breakfast and Check In
Vista del Mar

8:30-10:00 AM    Plenary Session
Lagunita Pavilion

Technology & Policy

Moderator: Carrie Bowen, California Highway & Roads Leader, HDR

Panelists:
Edward Alegre, Senior Manager, Highway Program, ITS, LA Metro
Robert Brown, Head of Public and Government Affairs, TuSimple
Marlon Flournoy, Chief, Division of Planning, Caltrans
Vince Mammano, Division Administrator California Division, FHWA

10:00-10:30 AM    Break – Vista del Mar
Mirador
Track 6-2  Home Delivery Activity: Measuring Demands and Impacts
Session Moderator:  Miguel Figliozzi, Portland State University

Impact of New Grocery E-Delivery Services on Travel Patterns, Access, and Equity
Presenter: Katherine Keeling, Portland State University
Co-author: Miguel Figliozzi, Portland State University

Changing home-based shopping patterns are leading a new urban freight movements in the Seoul Metropolitan Area
Presenter: Jee-Sun Lee, The Korea Transport Institute
Co-authors: Sang Beom Seo, The Korea Transport Institute and Minyoung Park, Inha University

Characterizing Home Delivery to New York City Residents
Presenter: Carla Tejada, The City College of New York
Co-authors: Quanquan Chen, North Jersey Transportation Planning Authority; Yaxi n Zhang and Alison Conway, The City College of New York

Home-Based Delivery Supply Chains: The Digitalization Paradigm
Presenter: Jean-Paul Rodrigue, Hofstra University

Cival
Track 4-3  Estimating Urban Freight Demand: Freight and Service Trip Generation
Session Moderator:  Seckin Ozkul, University of South Florida

Service Trip Attraction and Respective Durations in Commercial Establishments
Presenter: José Holguin-Veras, Rensselaer Polytechnic Institute
Co-authors: Lokesh Kalahasthi and Diana Ramirez-Rios, Rensselaer Polytechnic Institute

Service Trips Generation Modeling: An Empirical Investigation
Presenter: Diana Patricia Moreno-Palacio, Universidad Nacional de Colombia at Medellin
Co-authors: Carlos Gonzalez-Calderon, John Jairo Posada-Henao, Ricardo Quintero-Giraldo, and Natalia Espitia-Pereira, Universidad Nacional de Colombia at Medellin

What can property owners do for sustainable urban freight? The case of Nordstan shopping mall
Presenter: Alena Brettmo, University of Gothenburg
Co-authors: Ivan Sanchez-Diaz and Michael Browne, University of Gothenburg; Christoffer Widegren, Trafikkontoret

Tikal
Special Session 2  Hyper-local and zero-emission urban deliveries via micro hubs: a solution for the future?
Session Moderator:  Wouter Dewulf, University of Antwerp

Panelists:
Anne Goodchild, University of Washington
Alison Conway, The City College of New York
Laetitia Dablanc, IFSTTAR
Roel Gevaers, University of Antwerp/BD myShopi

Luna Solstice
Track 3-1  Use of Alternative Fuel Technologies in Logistics
Session Moderator:  Sue Dexter, University of Southern California

Electric Vehicle Heavy-duty Drayage Trucks: A Case Study on the Impacts of Range on Operational Use in Los Angeles
Presenter: Sue Dexter, University of Southern California
Co-authors: Genevieve Giuliano and Jiawen Fang, University of Southern California
Energy Efficient Logistics in the Albany - New York City Corridor  
Presenter: José Holguin-Veras, Rensselaer Polytechnic Institute  
Co-authors: Carlos Rivera-Gonzalez and Julia Amaral, Rensselaer Polytechnic Institute

The Operational Strategy of Alternative Maritime Power at YGPA’s container port in South Korea  
Presenter: Hyowon Kang, Andong National University  
Co-author: James Fawcett, University of Southern California

Local air benefits of switching a freight ferry from diesel to Liquefied Natural Gas (LNG)  
Presenter: Weihan Peng, University of California, Riverside  
Co-authors: Jiacheng Yang, Qi Li, David Cocker III, and J. Wayne Miller, University of California, Riverside; Joel Corbin, Una Trivanovic, Prem Lobo, Stéphanie Gagné, Steven Rogak, and Patrick Kirchen

12:30-4:30 PM  
I-NUF TOUR BY BUS  
Optional for I-NUF attendees only—limited seating: Tour of Long Beach Container Terminal and special demonstrations at Port of Los Angeles; box lunch provided