URBE 2015

URban freight and BEhavior change

1-2 OCTOBER Roma Tre University Rome, Italy

DETAILED PROGRAMME

Day 1 (October 1st)

8:15 - 9:15 Registration

9:15 - 9:30 Opening Ceremony

Room 2A

Panizza , M. - Rector, University of Roma Tre

Guida, F. - Director, Department of Political Science, University of Roma Tre

Leonori, M. - Councillor for Productive Activities, City of Rome

9:30 - 10:30 Keynote Lecture

Room 2A

Freight Behavior Research: Rationale, Principles, Results, and Lessons Learned

Holguin-Veras, J. - Rensselaer Polytechnic

Coordinates: Marcucci, E. - University of Roma Tre

10.30 - 10:45 Break

10:45 - 12:45 Parallel Sessions S01 - S02 - S03 - S04 - S05

S01. Discrete Choice Modelling (I)

Chairman: Delle Site, P. - Università degli Studi Niccolò Cusano

Paper ID Room 2A

72. Receivers' willingness-to-adopt novel urban goods distribution practices
dell'Olio, L., Moura, J., Ibeas, A., Cordera, R. & Holguín-Veras, J.
6. Analyzing discrepancies between willingness to pay and willingness to accept for freight transport attributes.
Feo Valero, M., Pérez, A., Menéndez, L. & García, C.
114. Comparing Bayesian and frequentist approaches for latent class mixed multinomial logit model. Implications for urban freight transport policy
Scaccia, L., Daziano, R., Gatta V. & Marcucci, E.
115. Urban freight distribution and policy assessment: dependence vs. independence in stated preference logit models
Delle Site, P., Gatta, V., Marcucci, E. & Zhang, Q.

S02. Agent Based Modelling

Chairman: Marzano, V. - University of Napoli "Federico II"

Paper ID Room 2B

116. Agent-based modelling of stakeholder involvement for urban freight transport policy-making
Marcucci, E., Gatta, V., Le Pira, M., Ignaccolo, M., Inturri, G. & Pluchino A.
36. Towards an integrated multi-agent urban transport model of passenger and freight
Schroeder, S. & Liedtke, G.
91. An Agent-Based Gaming Approach to Simulating the Evolution of Commodity Flows
Gliebe, J., Smith, C., Wies, K., Heither, C., Doyle, J. & Outwater, M.
68. An integrated agent-based simulation model for freight and logistics: framework, models and first case study
Marzano, V., Azevedo, C., Teo, J., Lee, Y., Basake, K., Zegras, C. & Ben-Akiva, M.

S03. Infrastructures & decision support systems

Chairman: Nuzzolo, A. - Tor Vergata University

Paper ID Room 2C

45. A methodological proposal for develop a decision support system, as a tool to facilitate the coordination among stakeholders in the city of Bogota - Colombia
Palacios, L., Parra, J. & Jaimes W.
62. Inbound Hospital Logistics in an Urban Environment: A Decision Matrix
Verlinden, T. & Van de Voorde, E.
43. A game of supply chains and an Urban Consolidation Center
Dalla Chiara, G., Courcoubetis, C. & Cheah L.
66. Investigating the impacts of e-purchase deliveries: the deployment of pick-up points
Nuzzolo, A., Comi, A. & Rosati, L.

S04. Case Studies

Chairman: Dendal, T. - Flemish Ministry of Mobility and Public Works

Paper ID Room 2D

47. Interurban freight mode choice in Brazil: A case study of Rio Grande do Sul
Larranaga, A. & Arellana, J.
5. Analysis of Freight Trip Generation Model for Food and Beverage in Belo Horizonte (Brazil)
de Oliveira, L., Nóbrega, R., Ebias, D., Gomes, G. & Souza, C.
24. Making urban logistics in big cities more sustainable: the RomeRailLogisticsproject
Filippi, F. & Campagna, A.
120. Flanders: urban logistics policy and measures
Dendal, T.

S05. Public administration strategies (I)

Chairman: Wang, X. - Rensselaer Polytechnic Institute

Paper ID Room Aula Tesi

11. Applying a behavioural change model to the adoption of freight electric vehicles: lessons for effective instruments
Balm, S., Soelstra, J. & Quak, H.
78. The impact of road pricing on green commercial vehicles usage: evidence from Milan
Percoco, M.
89. Enforcing or Permitting Urban Parking
Nourinejad, M. & Roorda, M.
87. Investigation of Carriers' Ability to Transfer Toll Increases: An Empirical Analysis of Freight Agents' Relative Market Power
Zhang, D., Wang, C. & Holguin-Veras, J.

12:45 - 14:00 Lunch

14:00 - 16:00 Parallel Sessions S06 - S07 - S08 - S09 - S10

S06. Assessment Methods (I)

Chairman: Marcucci, E. - University of Roma Tre

Paper ID Room 2A

39. Receiver-Shipper Based Framework of Urban Freight Transportation Model
Lee, Y., Blanco, E., Zegras, C. & Ben-Akiva, M.
37. Off-peak Urban Goods Deliveries: Transport Efficiency in a Stockholm Pilot Study
Fu, J., Jenelius, E. & Georén, P.
7. Multi Actor Multi Criteria Analysis as a tool to involve stakeholders within the city distribution context
Macharis, C.,Kin, B. & Lebeau, P.
117. An interactive multi-actor multi-criteria analysis: a case study for alternative off-peak delivery solutions in freight distribution in Rome
Gatta, V. & Marcucci, E.

S07. Simulation and modelling

Chairman: Gattuso, D. - Mediterranea University of Reggio Calabria

Paper ID Room 2B

40. Simulating stakeholder interaction for sustainable planning of transport systems
Le Pira, M., Ignaccolo, M., Inturri, G. & Pluchino, A.
67. E-shopping and urban goods flow modelling
Nuzzolo, A. & Comi, A.
30. GoodTrip application potential for solution of urban logistics problems
Santos, L., Bertoncini, B., Medrano, R., Taco, P., Lima Jr, O., & Baroni, T.
25. Investigation of UDC capacity by micro-simulation approach
Gattuso, D. & Cassone, G.

S08. Stakeholder perception & reactions (I)

Chairman: Holguin-Veras, J. - Rensselaer Polytechnic

Paper ID Room 2C

41. Modelling the carrier's response to the introduction of urban freight consolidation centres
Janjevic, M. & Ndiaye, A.
105. Investigating the inclination of the Ho.Re.Ca. channel to city logistics measures: the case of Cagliari
Fancello, G., Paddeu, D., Sollai, F., Uccheddu, B. & Fadda, P.
86. Investigation of Freight Demand Elasticity corresponding to Road Pricing in New York State
Zhang, D. & Wang, C.
75. Role and Potential of a Trusted Vendor Certification Program to Foster Adoption of Unassisted Off-Hour Deliveries
Holguín-Veras, J., Wang, C., Campbell, S.

S09. Technology

Chairman: Roorda, M. - University of Toronto

Paper ID Room 2D

70. Enabling Logistics Data Sharing in the Physical Internet
Biggi, D., Tretola, G. & Verdino, V.
94. Dynamic City Traffic Management System
Bozicnik, S. & Letnik T.
92. Analyzing the effects of routing in the sustainability of the city and on the operational efficiency of urban logistics services
Melo, S., Coimbra, R., Costa, A. & Baptista P.
90. Remote Assessment Sensor Routing: An Application of Waste Management
Nourinejad, M. & Roorda, M.

S10. Public administration strategies (II)

Chairman: Ploos van Amstel, W. - Amsterdam University of Applied Sciences

Paper ID Room 2D

20. Financing Suggestion for Urban Mobility Plans in Brazilian cities
Paranaiba, A. & Sá Fortes, J.
12. Electric Vehicles for Urban Logistics and Commercial Transport – User Needs and Obstacles
Ehrler, V. & Luft, D.
15. A framework for tendering based on EMAT approach to support sustainable urban construction logistics
van Amstel, W.; Balm, S. & van Merriënboer, S.
18. Public purchasing as game changer in smarter and cleaner urban freight distribution
Balm, S. & van Amstel, W.

16:00 - 16:15 Break

16:15 - 16:45 Plenary session

Room 2A

The road map for urban freight distribution: vision, plans and actions for large cities

Esposito, S. - Councillor for Transport, City of Rome

Coordinates: Marcucci, E. - University of Roma Tre

16:45 - 18:15 Parallel Sessions S11 - S12 - S13 - S14 - S15

S11. Assessment Methods (II)

Chairman: Macharis, C. - Vrije Universiteit Brussel

Paper ID Room 2A

14. Using Structural Equations Modeling to explore perceived urban freight deliveries parking issues
Abreu e Silva, J. & Alho, A.

102. Valuation of the well-to-wheel impact of co2 emissions on freight transport
Nocera, S. & Cavallaro, F.

42. Facilitating long-term urban freight sustainability: indicator integration in a policy evaluation framework
Buldeo Rai, H., van Lier, T. & Macharis, C.

S12. Business Models

Chairman: Björklund, M. - Linköping University

Paper ID Room 2B

27. A conceptual framework for evaluating City Logistics business models
Zenezini, G., Mangano, G., Corinna Cagliano, A. & De Marco, A.

111. The object of organizational robustness and resilience: an content analysis
Maurer, F. & Lechner, U.

10. Critical components, similarities and differences in business models for urban consolidation
Abrahamsson, M. & Björklund, M.

S13. Stakeholder perception & reactions (II)

Chairman: Melo, S. - Universidade de Lisboa

Paper ID Room 2C

119. Urban shape and behavioural changes - Citizens' acceptance and adaptation to new innovative-induced life-styles
Marolda, M.C.

19. Retailers' and carriers' perceptions about urban goods distribution in Belo Horizonte (Brazil)
de Oliveira, L. & de Oliveira, G.

93. Traffic management on real time and the concept of smart cities: what can urban logistics stakeholders expect?
Sequeira, G., Duarte, G. & Melo, S.

S14. Stakeholder engagement & involvement (I)

Chairman: Samuel, K. - Université Grenoble Alpes

Paper ID Room 2D

9. Urban freight transport in an Italian mid-sized city: the Bergamo case from inception to stakeholders' involvement
Pinto, R., Lagorio, A. & Golini, R.

84. Reference model of local authority cooperation with stakeholders for urban freight transport
Kiba-Janiak, M. & Cheba, K.

33. Analyzing stakeholders' commitment in urban logistics projects by using Community of Practice theory
Samuel, K. & Carré, M.

S15. Future perspectives

Chairman: McKinnon, A. - Kühne Logistics University

Paper ID Room Aula Tesi

69. Addressing Urban Congestion with Modular Logistics and Collaborative Networks
Biggi, D. & Tretola, G.

74. A Gamification approach to promote positive behaviours in Urban Logistics
Tretola, G., Sorice, F. Marcucci, E. & Gatta, V.

106. 3D Printing, Drones and Crowdshipping: are they likely to be city logistics game-changers?
McKinnon, A.C.

20:30 Conference dinner

c/o EstroBar

Via Pellegrino Matteucci, 20

tel. 06 57289141

URBE 2015
URban freight and BEhavior change
1-2 OCTOBER Roma Tre University Rome, Italy

DETAILED PROGRAMME

Day 2 (October 2nd)

8:30 - 10:30 Parallel Sessions S16 - S17 - S18 - S19

S16. Discrete Choice Modelling (II)

Chairman: Bollino, A. - Università degli studi di Perugia

Paper ID Room 2A

77. A logit model for shipment size choice with latent classes – empirical findings for Germany and discussions
Piendl, R., Liedtke, G. & Matteis, T.
13. Heterogeneity in the choice of delivery time by receivers of goods
Kouwenhoven, M. & de Jong, G.
104. Latent Markov multinomial logit regression for discrete choice data: implications for willingness to pay for alternative urban freight policies
Gatta, V., Lagona, F. & Marcucci, E.
96. Young consumers' willingness to pay for sustainable urban freight distribution: a stated preference exercise
Bigerna, S., Bollino, C., Gatta, V., Marcucci, E., Micheli, S. & Polinori, P.

S17. Stakeholder engagement & involvement (II)

Chairman: Tavasszy, L. - Delft University of Technology

Paper ID Room 2B

49. Implementing an urban distribution center: involving stakeholders in a bottom up approach
Lebeau, P., Macharis, C. & Van Mierlo, J.
112. Stakeholders involvement and new governance models: Turin best practice, Italy
Marcucci, E., Gatta, V., Marciani, M.& Cossu, P.
97. The role of local engagement in delivering city logistics innovations
Grea, G., Aditjandra, P., Laparidou, K., Leonardi, J. & Hagen Zunder, T.
16. Carbon credits in urban freight: an experiment with an agent based model
Anand, N., van Duin, J. & Tavasszy, L.

S18. Urban Planning (I)

Chairman: Browne, M. - University of Gothenburg

Paper ID Room 2C

113. Sustainable Urban Mobility Plans in Europe: a comparative analysis in selected Member States
Lozzi, G., Gatta, V. & Marcucci E.
107. Addressing demand uncertainty in two-tier city logistics systems
Ricciardi, N., Crainic, T., Errico, F. & Rei, W.
35. Urban Freight transportation planning as a rational decision making process: a cognitive model and the false friends of eco-rationality
Cascetta, E. & Cartenì, A.
63. Planning for freight in major urban infrastructure projects
Browne, M., Woodburn, A. & Allen, J.

S19. Assessment Methods (III)

Chairman: Friedrich, H. - Technische Universität Darmstadt

Paper ID Room 2D

22. Performance evaluation methods for urban freight distribution chains: a survey of the literature
Danielis, R., Valeri, E. & Rotaris, L.
56. The e-commerce parcel delivery market: developing a typology from an urban logistics perspective
Cardenas, I., Vanelslander, T. & Dewulf, W.
17. An assessment framework for city logistics in mid-sized towns
Golini, R., Guerlain, C., Lagorio, A. & Pinto, R.
61. Dynamic freight flow modelling for risk evaluation in food supply
Balster, A. & Friedrich, H.

10:30 - 10:45 Break

10:45 - 12:45 Round Table (in collaboration with SIPOTRA)

Room 2A

The next steps towards a CO_2-free Urban Freight in 2030: priorities, opportunities and threats

Participants: Marolda , M. - DG Move, European Commission
Holguin-Veras, J. - Rensselaer Polytechnic
Cascetta , E. - President of SIPOTRA
Tripodi, E. - UnionCamere
Mastrofini, R. - Unindustria
Coordinates: Marcucci, E. - University of Roma Tre

12:45 - 14:00 Lunch

14:00 - 16:00 Parallel Sessions S20 - S21 - S22 - S23

S20. Data Collection

Chairman: Patier , D. - Laboratoire d'Economie des Transports

Paper ID Room 2A

88. The Influencing Factors of Load Factor in Commercial Vehicles
Zou, W., Wang, X. & Holguin-Veras, J.
57. Preliminary Study of the Freight Vehicle Probe Data from the Urban Freight Survey of Tokyo Metropolitan Area 2014
Dantsuji, T. & Fukuda, D.
32. An integrated sensing-based urban freight data collection framework: methodology and pilot projects in Singapore
Marzano, V., Azevedo, C., Cheah, L., Zhao, F., Santos, J., Lee, Y. & Ben-Akiva, M.
80. French surveys on urban goods movements: first results of cross-section with diachronic analyses
Bonnafous, A., Patier, D., Routhier, J. & Toilier, F.

S21. Trip generation and routing

Chairman: Garrido, R. - Universidad Diego Portales

Paper ID Room 2B

108. Freight distribution in urban area with electric vehicles: preliminary results of iNEXT project
Polimeni, A., Napoli, G., Di Novo, S., Antonucci,V. & Andaloro, L.
109. A comprehensive heuristic toolboxfor the optimal location, routing, and fleet choice of urban consolidation centers
Simoni, M.D., Bujanovic, P., Boyles, S. & Walton, C.M.
81. Joint model of urban freight trip generation and delivery vehicle type
Ramadurai, G.
48. Equity and Social Acceptability in Multiple Hazardous Materials Routing through Urban Areas
Garrido, R. & Bronfman, A.

S22. Urban Planning (II)

Chairman: Dablanc, L. - University of Paris-Est

Paper ID Room 2C

46. Proposition of a Urban Logistic Planning framework to Belo Horizonte City
Batista, G., Medrado, L. & Inecco M.
3. Sustainable Urban Logistics Plan (SULP) methodology for Small and Mid-sized European Towns: the IEE ENCLOSE project results
Ambrosino, G., Pettinelli, I., Freitas, C. & Sousa, C.
71. Suggestion to financing of projects of the Urban Mobility Plans for Brazilian cities
Paranaiba, A., Augusto, J. & Sá Fortes, A.
64. How do planning practitioners address freight transport and logistics sprawl? Case study in Los Angeles
Dablanc, L.

S23. Innovative projects

Chairman: Gatta, V. - University of Roma Tre

Paper ID Room 2D

100. ZED – Zero Emissions Distribution
Panero, G., Leonida, A., Mascioli, F. & Maccioni, R.
26. Behavior change and urban freight: new possibilities
Berveling, J.
121. The NOVELOG project: city cases for efficient urban freight distribution
Preti, A. & Luppino, G.
122. The CITYLAB project: City Logistics in Living Laboratories
Marcucci, E. & Gatta, V.

16:00 - 16:15 Closing Ceremony

Room 2A

Marcucci, E. - University of Roma Tre

Gatta, V. - University of Roma Tre