

# LMSCM 2018: 16th International Logistics and Supply Chain Congress, Pamukkale University, Denizli - Turkey

## Scientific Program

Day	Session	Time	Hall Laodikeia	Hall Hierapolis	Hall Afrodisias	Hall Colossae	Hall Apollonia
18 October 2018 / Thursday	Session 1	09:00-10:20	Opening Ceremony				
		10:20-10:40		Coffee Break			
	Session 2	10:40-12:00	<b>Keynote Speaker:</b> Surendra M. Gupta "Reverse Supply Chains and Lean Manufacturing" <b>Keynote Speaker:</b> Alexandre Dolgui "Replenishment Planning of Assembly Systems Under Uncertainty of Lead Times"				
		12:00-13:00		Lunch			
	Session 3		<b>Special Topics in Logistics and Supply Chains</b> Session Chair: Russell E. King	<b>Best Practices in Logistics and Supply Chains / Big Data</b> Session Chair: Michael G. Kay	<b>Humanitarian Logistics / Social Responsibility</b> Session Chair: Maria Drakaki	<b>Transportation and Warehouse Management / Health Care Logistics</b> Smart and Sustainable City Logistics Session Chair: Aşkın Güngör	<b>Green Logistics and Supply Chain Management</b> Session Chair: Aya Ishigaki
		13:00-13:20	A Comparative Study for Air Passengers of Turkey and Germany Özlem Şenvar, Hüner Akpak, Nisa Arslan	A Capacitated Vehicle Routing Problem due to Production Scheduling with Time Windows, Shifts and Precedence for Simultaneous Pickup and Delivery of Contract Manufacturers of an Electronic Company Görkem Yılmaz	Teaching Lean Manufacturing and Logistics Principles with Lean Simulation Games in Vocational and Technical Education İbrahim Çil, Yusuf Türkhan, Can Yükselen, Muharem Üner, Mustafa Erginli	Fuzzy Cognitive Map Approach for Supply Chain Configuration in Automotive Industry Mehtap Dursun, Nazlı Göker, Güray Gümüş	Evaluation of Shipping Scheduling Method Considering Shortage and Disposal in Logistics Warehouse of Apparel Products Rina Tanaka, Aya Ishigaki, Tomomichi Suzuki, Masato Hamada, Watari Kawai
		13:20-13:40	Supplier Selection Based on Artificial Neural Networks İrmak Daldır, Nedret Tosun, Ömür Tosun	A Review of Mathematical Programming Models For Supply Chains in the Forest Products Industry Murat Yeşilkaya, Gülesen Sena Daş, A. Kürşad Türker	Engagement of Logistics Service Providers in Humanitarian Relief Operations Berk Küçükalan, Zahir İrani	Warehouse Supply Chain Management in Healthcare Elif Doğu, Y. Ersan Albayrak, Nazlı Göker	Effect of Robust Optimization Approach on Multi-player Multi-objective Production Planning Problem Using Linear Physical Programming Tomomaki Yatsuka, Aya Ishigaki, Yuki Kinoshita, Tetsuo Yamada, Masato Inoue
		13:40-14:00	Bi-Directional Cause and Effect Relationship Between Competitiveness and Logistics Performance of Countries Özgür Kabak, Süleyman Ekiç, Füsun Ülengin	Comparison of the Transportation Problem Initial Solution Methods Kenan Karagül, Yusuf Şahin, Tolga Arslan, Murat Can Ersan	A Comparative Analysis of Site Selection Criteria for Conflicts and Natural Disasters Maria Drakaki, Panagiotis Tzioras, Hacer Güner Gören	A Variable Neighborhood Search Approach for Beverage Distribution Problem Under Uncertainty Can Berk Kalayci, Olcay Polat, Leyla Özgür Polat	Bayesian Decision Making for Hybrid System with Classifying Returns Hasan K. Alsay, Surendra M. Gupta
		14:00-14:20	An Exact Solution Approach for Two Echelon Location Routing Problem with Simultaneous Pickup and Delivery Ece Arzu Demircan Yıldız, İsmail Karaçan, Fulya Altıparmak	Data-driven analytics for freight transport Zisis Maleas, Dimitrios Vlachos, Georgia Alifandopoulou, Josep Maria Salanova Grau, Leonidas Parodos	Societal Marketing Approach in Logistic Firms: Analyzing Corporate Social Responsibility Initiatives of Logistic Firms in Turkey İlkın Yaran Ögel, Ayşe Özgöz	Industry 4.0 in Warehousing Banu Yetkin Eken, Aşkın Güngör	Fuzzy Goal Programming for Solving the Multi-Criteria Disassembly-to-Order Problem Ammar Y. Alqahtani, Bandar Alkhayal, Surendra M. Gupta
		14:20-14:40		Coffee Break			
	Session 4		<b>Keynote Speaker:</b> Russell E. King "Production and Logistics Issues of Emerging Additive Manufacturing Supply Chains" <b>Keynote Speaker:</b> Bahar Yetis Kara "Humanitarian Logistics" <b>Keynote Speaker:</b> Michael G. Kay "Public Logistics Networks"				
		14:40-16:40					
		16:40-17:00	Coffee Break				
	Session 5		<b>Sustainability in Logistics and Supply Chains</b> Session Chair: Alexandre Dolgui	<b>Sourcing and Outsourcing / Transportation Law</b> Session Chair: Bahar Yetis Kara	<b>Innovative and Smart Technologies in Logistics</b> Session Chair: Gülin Büyüközkan	<b>Green Logistics and Supply Chain Management</b> Session Chair: Aybek Korugan	<b>Special Topics in Logistics and Supply Chains</b> Session Chair: Banu Yetkin Eken
		17:00-17:20	Determining Task Assignment Priorities for Disassembly Line Assignment Problem with ELECTRE Nurcan Deniz, Feriştah Özçelik	A Multi-Objective Approach for a Multi-Product Multi-Node Supply Chain Network Design Problem with Stochastic Demands Leyla Demir, Christos Leonidas Papadopoulos	Agile Supplier Selection in Digital Supply Chain Gülin Büyüközkan, Fethullah Gözer	The Impact of Orbit Size on the Admission Control of Returns for a Hybrid Production System Aybek Korugan, Seval Ata, Murat Fadiloğlu	A Literature Review on Aircraft Maintenance Routing Problem Tolga Temucin, Gülfem Tuzkaya, Özalp Vayav
		17:20-17:40	Classification of Barriers to Adoption of Electric Vehicles and Electric Freight Vehicles Sükru İmre, Dilay Çelebi, Aycan Kaya	A Mathematical Model for the Milk Collection Problem with Various Milk Types Olcay Polat, Can Berk Kalayci, Bilge Bilgen, Duygu Topaloğlu	Innovative Strategies For White Goods Warehouse Process Tülay Akdağ, Özalp Vayav, Zeynep Tuğçe Kalender	Measuring Sustainability of Ports in Turkey: An Example of Green Port Project Ender Gürgen	Challenges Encountered by Port Employees and Analyzed by Multivariate Statistical Analysis İpek Özener, Pınar Elçick Gunes, Burcu Alatepe
		17:40-18:00	Analysis of Actors' Roles in Sustainable Agri-Food Waste Management Şeyda Serdar Asan, Cigdem Kadaifci	Information Exchange as the Key for Sustainable Urban Freight Transportation: The AEOLIX Project Georgia Alifandopoulou, Jason Papathanasiou, George Tsaples, Leonidas Parodos, Evangelos Mitsakis, Josep Maria Salanova Grau	Mobile Navigation Apps' Satisfaction Impact on Urban Transportation Problems Selçuk Tuzcuoğlu, Elif Dursun, Yavuz Günalay	Integrated Disassembly Line Balancing Problem and Disassembly Process Planning Problem Seda Hezer	The Determinants of Transportation from Hatay to Europe: An Application of a Hybrid MCDM Method Gülsün Nakiboglu, İpek Özener, Pınar Elçick Gunes
		18:00-18:20	Analyzing the Priorities of Logistics Social Responsibility in Turkey Fulya Taşel, Sinan Apak, Burak Küçük	The Role of Accessibility for Determining Locations in Airports and Passenger Demands in Turkey Görkem Gülnan, Soner Halisdemir, Halim Ceylan	IoT-Based Warehouse Design for Smart Logistics Gülin Büyüközkan, Öykü İlıcak	Present Status and Future Trends in Electric Vehicle Routing Yusuf Yılmaz, Can Berk Kalayci	Supply Chain Strategy Management in Wood Based Industry Sector Case Study Songül Aksoy
		18:20-18:40		Design of Job Assignment and Routing Policies in Service Logistics Zehra Düzgit, Özgür Toy	A Model for Determining the Locations of Electric Charge Stations in İstanbul Büşra G. Daşcioğlu, Gülfem Tuzkaya, Hüseyin Selçuk Kılıç		An Inventory Control Problem in an Emergency Department of a Hospital Gizem Mullaoglu, Görkem Ataman, Banu Yetkin Eken

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19 October 2018 / Friday	Session 6		Green Logistics and Supply Chain Management Session Chair: Mehmet Ali İlgn	Transportation and Warehouse Management Session Chair: Masato Sasaki	Best Practices in Logistics and Supply Chains Session Chair: Leyla Demir	Logistics 4.0 Session Chair: Özcan Mutlu	Lectures
		09:00-09:20	A Model for Supplier Selection Under Environmental Considerations Ahmet Selçuk Yalçın, Hüseyin Selçuk Kılıç	Portfolio Optimization Using an Interactive Genetic Algorithm and Artificial Neural Networks Masato Sasaki, Anas Laamrani, Mitsuo Yamashiro, Afework Gidey Alemu	Supplier Selection With Fuzzy Topsis in the Automotive Industry Ayşe Nur Karabayar, Mehmet Gümüş	Potential Applications of Industry 4.0 Components in Logistics Management İbrahim Miraç Elıguzel, Eren Özçelen, Cihan Çetinkaya	Depo Tasarımı ve Yönetimi Mehmet TANYAŞ  Tedarik Zinciri 4.0 Gülçin BÜYÜKÖZKAN
		09:20-09:40	Heuristic Approach for Two Echelon Vehicle Routing Problem with Simultaneous Pickup And Delivery Önder Belgin, İsmail Karaçılın, Fulya Altparmak	The Study of Cold Storage and Temperature Controlled Transportation: A Case Study of a Chain Restaurant in Thailand Pannita Chaitangit, Pornthipa Ongkunarak	A Simulation Study to Analyze Configuration Settings of Demand Driven MRP – A Comparison with MRPII, JIT and TOC Ahmet Balçıcı, Mehmet Tanyas	The Impact of Three-Dimensional Writing Technology in Logistics Serhan Kökhan, Omer Faruk Baykoc, Selçuk Kürsat İşleyen	
		09:40-10:00	Multi-Criteria Sorting Of Third-Party Reverse Logistics Providers Mehmet Ali İlgn, Muhammet Enes Akpinar	Introducing Data Management System for Small and Medium Enterprises in Ethiopia Case Study: Service Giver Industries in Mekelle City Afework Gidey Alemu, Yamashiro Mitsuo	An Artificial Bee Colony Algorithm for Capacitated Location Routing Problem Mustafa Serdar Toksoy, Kasım Baynal, Hüseyin Haklı	Strategic Analysis of Turkey Aviation Industry's Digital Transformation Celal Alpay Havale, Orhan Feyzioğlu, Gülçin Büyüközkan	
		10:00-10:20	Use of a Robust Optimization Approach in Designing a Closed-Loop Supply Chain Network Murtadha Aldoukhli, Surendra M. Gupta	Using Conjoint Analysis to Elicit Preferences for Freight Transport Mode Güldem Topcu, Seyda Serdar Asan	Evaluation of Smart City Logistics Solutions with Fuzzy MCDM Methods Gülçin Büyüközkan, Esin Mukul, Merve Güler, Orhan Feyzioğlu	A New Service Quality Model for Aviation Industry Gülçin Büyüközkan, Orhan Feyzioğlu, Celal Alpay Havale	
		10:20-10:40	Coffee Break				
	Session 7		Green Logistics and Supply Chain Management Session Chair: Tetsuo Yamada	Transportation and Warehouse Management Session Chair: Seyda Topaloğlu Yıldız	Special Topics in Logistics and Supply Chains Session Chair: İbrahim Çıl	Logistics 4.0 / Retail Logistics and Supply Chains Session Chair: Gülfem Tuzkaya	Lectures
		10:40-11:00	Design Problems in Closed-Loop Supply Chain Networks with a Feedback Route for Recovered Materials Miho Ishii, Kengo Nakamura, Tetsuo Yamada	Hazardous Material Storage and Evaluation of Warehouse Management Systems Selection Criteria with AHP Method Seyithan Yıldız, Batuhan Koçaoğlu	The Integration of the Blockchain Technology in the Supply Chain Management Saoussane Shrhir, Özpal Vayvay	Review of Performance Measurement Literature in Reverse Logistics and A Proposal how to Develop it for Fourth Party Reverse Logistics Halil Hilmî Öz, Bahar Özörük	Deniz Taşımacılığının Temel Unsurları: Yük, Gemi ve Liman. Soner ESMER  Lojistikte Optimizasyon Haluk CEZAYIRLIÖĞLU
		11:00-11:20	Evaluation of Asian Supplier and Disassembly Parts Selections for Carbon Emissions and Costs Hayate Irie, Rena Kondo, Shota Hasegawa, Tetsuo Yamada	A Mathematical Programming Based Solution Approach For Solving the Distribution Planning Problem of a Company Seyda Topaloğlu Yıldız, Gökçalp Yıldız, Ebru Şen	Cloud Computing Technology Selection for Supply Chains Deniz Uzukturk, Gülçin Büyüközkan, Yaman Öztek, Fahri Negüs	Comparison of Studies on Retailing in the World and Turkey Between 2008 –2018 : A Bibliometric Study Abstract Güneş Açıyla Sipahi	
		11:20-11:40	Effects of Carbon Trading System with Multi Criteria Decisions of Optimal Order Quantity and Best Supplier Selection Rena Kondo, Tetsuo Yamada	A Fuzzy Inference Based Decision Support System for Dynamic Scheduling of Automated Storage and Retrieval Systems Özlem Uzun Araz, Özgür Eski	Digital Transformation Maturity Assessment for Supply Chains Gülçin Büyüközkan, Merve Güler, Esin Mukul	Sales Forecasting for a Product Group of a Company in Textile Industry Bahar Sennaroğlu, Tuğçe İşlever	
		11:40-12:00	A Comparative Analysis of Passenger Transportation in Cities Considering Green Transportation Zafer Yılmaz, Serpil Erol	A Constraint Programming Approach for the Pickup and Delivery Problem with Time Windows Mustafa Küçük, Seyda Topaloğlu Yıldız	Assessing Contract Logistics Facilities: Results From a Survey in Italy Martina Baglio, Fabrizio Dallari, Elisabetta Garagiola, Sara Perotti	Risk Assessment Study in a Port by Using Fuzzy Proportional Risk Assessment Technique and AHP Aliye Ayça Supçiller, Hakan Yavuz	
		12:00-13:30	Lunch				
	Session 8		Green Logistics and Supply Chain Management Session Chair: Surendra M. Gupta	Special Topics in Logistics and Supply Chains Session Chair: Pornthipa Ongkunarak	Special Topics in Logistics and Supply Chains Session Chair: Mehmet Tanyas	Retail Logistics and Supply Chains / Risk Management Session Chair: Hasan K. Aksoy	Sustainability in Logistics and Supply Chains Session Chair: Bilge Bilgen
		13:30-13:50	Multi-Criteria Decision-Making Model for Analysis of Product Designs Aditi D. Joshi, Surendra M. Gupta	A Relational Analysis of the Performance Measures for Logistic Firms Under Uncertainty: A Case of Turkey Fatih Tüysüz, Yakup Çelikbilek	A Simulation Optimization Approach for Solving Integrated Berth Allocation and Quay Crane Scheduling Problem Gökçeçek Taşoğlu, Gökçalp Yıldız	A Hyper-Heuristic Algorithm Based on Simulated Annealing for Vehicle Routing Problem with Simultaneous Pickup and Delivery Büşra Kutlu, Fulya Altparmak	Reverse Supply Chain in the Era of the Internet of Things: A Review of the State of the Art Ammar Y. Alqahtani
		13:50-14:10	Mitigating Customer Initiated Warranty Fraud for Remanufactured Products in Reverse Supply Chain Aditya N. D. Pandit, Surendra M. Gupta	Machine Replacement Scenario Analysis: A Case Study of Food Industry Pornthipa Ongkunarak, Gerrit Janssens	A Comparison Between Artificial Bee Colony Algorithm and Genetic Algorithm on Container Loading Problem Tuğrul Bayraktar, Filiz Ersöz, Cemalettin Kubat	A Literature Review on Success Factors and Methods Used in Warehouse Location Ramazan Eyüp Gergin, İskender Peker	Analyzing the Relational Drivers of Suppliers' Sustainability Compliance Narin Bekki, Duygu Türker
		14:10-14:30	Multi-Criteria Disassembly-To-Order System for Components and Materials with Limited Supply, Stochastic Yields and Quantity Discount Yuki Kinoshita, Tetsuo Yamada, Surendra M. Gupta	Modeling of Collaborative Planning, Forecasting and Replenishment Approach with Simulation for Agri-Food Supply Chain Management Atıye Tumenbatur, Mehmet Tanyas	A Mathematical Model for In-Plant Milk-Run Routing İslam Altın, Aydin Sipahioglu	Production Planning Problem with Under Uncertainty in Electronics Industry: CVA Method Elif Selef, Bilge Bilgen	Implementation of Performance Based Logistics at the Defence Sector and Performance Indicators Recep Kotil, Bahar Özörük
		14:30-14:50	Forecasting in Reverse Logistics: Grey Prediction Model for Reused Materials Melisa Özbiltekin, Yeşim Deniz Özkan, Yiğit Kazançoğlu	Analysis of Software Implementation in a Thai Restaurant with Food Delivery Naphawan Limmähakun, Pornthipa Ongkunarak, Thanit Puthongsrirapiro	Quality and Performance Management in Supply Chain: An Example From Food Sector Ersan Sertel, Nimetullah Burnak	Determining Time Window Solutions in City Distribution Derya Eren Akyol, Rene De Koster	Sustainable Biomass Supply Chain Optimization: A Review and a Case Study with Biogas Production from Chicken Farm Waste Yeşim Gital, Bilge Bilgen
		14:50-15:10	Coffee Break				

## SOCIAL PROGRAM