

7th edition of the Springer International Conference on Logistics Operations Management: Smart, Sustainable and Green Logistics

GOL24

Thursday, 02 May 2024

08:00 08:30	Registration and collection of kit			
08:30 09:30	Plenary Conference I: Prof. Yves Duq , University of Bordeaux, France Title: “Performance evaluation for supply chains using enterprise models” Session Chair: Prof. Said Tazi			
09:30 10:00	Break			
10:00 12:30	T1.1: Sustainable and Agile Supply Chain Management Chairs: E. Sahin & S.M.Loyal	T2.1: Smart and Green Process in Transport and Logistics I. Chairs: K. Bouanane & K.ElHimdi	T3.1: Planning and Scheduling. Chairs: Ali Cheaitou & A.ElYaccoubi	T4.1: Metaheuristics for Industry 4.0. Chairs: Ghita Bencheikh & F.Ouzayd
10:00 10:30	<i>Inter-firm collaborative logistics: Literature review in the forest sector</i> Yannie Béland, Nadia Lehoux, Luc LeBe	<i>Applications of Blockchain Technology in International Trade and Supply Chain Management: A Systematic Literature Review</i> Adil Nasser, Hamid Ech Cheikh, Fatima Ouzayd	<i>Worker job rotation optimization model to minimize exposure to hand-arm vibration</i> Saleh AlBaiti, Ali Cheaitou, Naser Nawayseh	<i>Solving Multi-Capacitated Facility Location Problem in Traffic Control Systems using Lagrangian Relaxation and Decomposition Approach</i> Mohammed El Amrani, Khaoula Bouanane, Khalil Abbal, Youssef Benadada
10:30 11:00	<i>Meeting the Complexity of Industrial Requirements – Digital Learning Platform for Innovative Application Domains</i> Fabian Behrendt, Tim Wollert, Niels Schmidtke, David Weigert	<i>The Dynamic Vehicle Routing Problem with Simultaneous Delivery and Pickup, Overtime and Inventory Restriction: Comparative study of three resolution methods</i> Amina Berahhou, Youssef Benadada	<i>Rolling stock maintenance scheduling</i> Tom Ray, Vincent T’kindt, Ronan Bocquillon	<i>Exploring the Capacitated Vehicle Routing Problem using the power of Machine Learning: A Literature Review</i> Manal El Jaouhari, Ghita Bencheikh, Ghizlane Bencheikh
11:00 11:30	<i>Dynamic capabilities to design Digital Transformation Strategies in Supply Chain 4.0</i> Ioana Anca Filipas, François Marmier, Jean-Louis Michichalak	<i>Electric vehicle issues, challenges and technological solutions: a systematic review</i> Amine JRAIF, Adiba El Bouzekri El Idrissi, Elhassania Messaoud	<i>The influence of SCM practices on port supply chain performance</i> Douha Talkhokhet, Mohamed Iliasse Mahraz, Rachida El Yamani, Mohamed Moutmihi	<i>An efficient heuristic to optimize the cost of scheduling production tasks on heterogeneous parallel machines</i> Selwa Elfirdoussi, Khalid Ait Ben Hamou, Zahi Jarir, Mohamed Quafafou
11:30 12:00	<i>Supply chain collaboration and Sustainability: multiple case study from Moroccan food industry</i> Fatima Gouiferda, Saadia Iddik	<i>Solving Industrial Production Scheduling Challenges in the Era of Industry 4.0 and Green Manufacturing</i> Hafsa Mimouni, Abdelilah Jalid	<i>Impact of lean distribution on environmental performance</i> Oumaima Chbani, Laila Ouhna, Akram Elkorchi	<i>Agent-Based Modeling and Simulation for Urban Air Quality Assessment</i> Neda Mashhadi, Cyril Fonlupt, Matthieu Puigt, Gilles Rousset, Sébastien Verel
12:00 12:30	<i>Industrial Constraints of Production Planning: A Case Study in the Automotive Industry</i> Ayman Mahmoud, Evren Sahin, Mohammed Hichame Benbitour, Zied Jemai, Marc Baratte	<i>Solving the Electric Vehicle Routing Problem in Short Food Supply Chains: A Constrained Clustering Approach</i> Adnane Cabani, Jaouad Boukachour, Amina ElYaagoubi, Mohamed Charhbili	<i>Planning and Scheduling of Robotic Welding Processes in the Rolling Stock Industry: A Literature Review</i> Kimia Payami, Nadia Lehoux, Caroline Cloutier, Micheal Morin	<i>Optimizing the flow of connected distribution logistics</i> Yusra EL KIHTEL, Ghita Bencheikh
12:30 14:00	Break			

N.B. Cells with a blue background correspond to remote presentations.

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14:00 15:00	Plenary Conference I: <i>Prof. Ali Cheaitou</i> , University of Sharjah, UAE Title: “ <i>Tradeoffs in Green Logistics: Insights Learned from Quantitative Models for Transportation Systems</i> ” Session Chair: <i>Prof. Jaouad Boukachour</i>			
15:00 16:15	Industrial Session			
16:15 16:45	The Official Opening			
16:45 17:15	Break			
17:15 19:15	T1.2: Mobility and urban logistics planning Chairs: <i>N.Rouky & M.Fri</i>	T2.2: Supply chain design and control Chairs: <i>Ghizlane Bencheikh & Y.Ducq</i>	T3.2: Smart and Green Process in Transport and Logistics II. Chairs: <i>M.H.Hbid & A.Bellabdaoui</i>	T4.2: Artificial Intelligence and Emerging Technologies I Chairs: <i>K.Moumane & F.Marmier</i>
17:15 17:45	<i>Comparative Performance Analysis for Poisson and Poisson-Inverse Generalized Linear Models on Supply Chain Management</i> <i>Mouhsene Fri, Naoufal Rouky, Farouk Mselmi</i>	<i>Human resources factors influencing the project success with hybrid approach</i> <i>Ouafa Barakat, Noura El Farissi</i>	<i>GRASP algorithm for The Green Capacitated Vehicle Routing Problem (GCVRP)</i> <i>Asma Oumachtaq, Latifa Ouzizi, Mohammed Douimi</i>	<i>Transforming ERP systems for supply chain management: designing a Machine learning-based Framework to overcome implementation challenges</i> <i>Karima Moumane, Ilham Rharoubi, Chafik Razouk, Hafida Aitabderrahman, Ikram El Asri</i>
17:45 18:15	<i>Investigating the impact of artificial intelligence on the performance and sustainability of transportation in the retail industry: a structural equation modeling approach</i> <i>Aisha Alhammadi, Ali Cheaitou, Salem Alrhaimi</i>	<i>Dynamic multi-level multi-capacitated facility location problem: formulation and resolution.</i> <i>Khalil Abbal, Mohammed El Amrani, Youssef Benadada</i>	<i>Multi-objective sustainable two-echelon capacitated location routing problem for urban distribution</i> <i>Viviane Agnimo, Mustapha Ouhimmou, Marc Paquet, Julio Montecinos</i>	<i>The Barriers to AI Adoption in Supply Chains: Case of Moroccan Companies</i> <i>Ouafa Barakat, Nouhayla Bouanba</i>
18:15 18:45	<i>Joint Tugboat and Dock Pilot Capacity Prediction</i> <i>Hansi Denis, Ngoc-Quang Luong, Siegfried Mercelis</i>	<i>Multi-Echelon Inventory Planning for a One-Warehouse Multiple-Retailer Supply Chain</i> <i>Métaireau Agathe, Clarisse Dhaenens, Nadarajen Veerapen, Manuel Davy</i>	<i>A multi-objective ant colony system method for a robust selective full truckload vehicle routing problem</i> <i>Karim El Bouyahyiou, Adil Bellabdaoui</i>	<i>LSTM network and Box and Jenkins methodology for time series forecasting: Solar Energy Production</i> <i>Mohamed Hedi Riahi, Hiba Maalaoui, Amel Hedhli, Lotfi Ncib</i>
18:45 19:15	<i>Road Map for Adopting Risk Analysis Using an Electronic Tracking System in Supply Chain Strategy: A Descriptive Study of Transit Trade Mobility in Emerging Country</i> <i>Moh'd Anwer AL-Shboul</i>	<i>Comparison between two supply chain models for a multi-site company</i> <i>Chaymae Taraa, Latifa Ezzine, Haj El Moussami</i>	<i>Characterization of Truck Drivers' Behaviour and its Impact on the Consumption of Heavy Hybrid Vehicles in the Context of Municipal Waste Collection</i> <i>Nicolas Champagne, Mustapha Ouhimmou and Julio Montecinos</i>	<i>Integrating Electronic Monitoring Systems with Artificial Intelligence for Sustainable Management of Depleting Marine Resources</i> <i>Chaimae Essalama, Asmaa SABIRI, Fatima Ouzayd, Raddouane Chiheb, Mohamed Lazaar</i>

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Friday, 03 May 2024				
08:30 09:30	Plenary Conference I: <i>Prof. Jan Fransoo</i> , Tilburg University, Netherlands Title: “Logistics, Operations and Digitization of the World’s Largest Retail Channel” Session Chair: <i>Prof. Boulaksil Youssef</i>			
09:30 10:00	Break			
10:00 12:30	F1.1: Operational Research Chairs: <i>J. Boukachour & Moh'di al-Shabul</i>	F2.1: Modeling, simulation and optimization Chairs: <i>M.ElAmrani & F.Mselmi</i>	F3.1: Decision support systems Chairs: <i>S.Tazi & Z.Zenkova</i>	F4.1: Risk Management Chairs: <i>J.Fransoo & F.Gouiferda</i>
10:00 10:30	<i>A Genetic Algorithm for Synchromodal Transportation Problem</i> Ananthkrishnan Vaikkathe , Jaouad Boukachour, Abdelhamid Benaini	<i>Toward fair ride sharing platforms: the role of regulations and wait time</i> Ahana Malhotra , Elkafi Hassini	<i>A Decision-making approach for implementing Blockchain technology in Africa</i> Houda Dahbi , Abla Chaouni Benabdellah, Amine Belhadi	<i>Towards a Risk-Focused Sales and Operations Planning Process</i> Danielle FAKHRY , Raphaël Oger, Matthieu Lauras
10:30 11:00	<i>A lower bound for a JRP obsolescence model</i> Ricardo Afonso , Pedro Godinho, João Paulo Costa	<i>Simulation Optimization Coupling for Intermodal Barge Operations Planning</i> Naoufal Rouky , Mohamed Nezar Abourraja, Jaouad Boukachour, Dalila Boudebous	<i>Investigating Critical Success Factors in Embracing Industry 4.0 through the Application of DEMATEL Technique</i> Younes Jamouli , Samir Tetouani, Aziz Soulhi	<i>Maritime Supply Chain Cybersecurity: A brief review uncovering challenges</i> Mohamed Yassine Samiri , Reda Chefira, Radia Belkeziz, Abdelhadi Bouain
11:00 11:30	<i>Truck Appointment System</i> Sophie Michel Loyal , Christophe Duhamel	<i>Benchmark mobility problems using real-world data: the example of bus stops spacing problem for the city of Calais</i> Valentin Vendi , Cyril Fonlupt, Sébastien Verel	<i>Decision Aid on blockchain project: a cost and time management tool</i> DIOP Mor, Said Tazi, Yves Ducq	<i>Organizational resilience factors in Construction Material Distributor Companies Facing Disruptions: An Exploratory Study in Morocco</i> Amine Hazam , Laila Ouhna
11:30 12:00	<i>Assessing the Efficacy of Genetic Algorithm-Based Heuristics in Optimizing Working Capital through Flexible Cash Receipt Scheduling</i> Halima Semaa , Abdelillah Semma, Laila Bouzarra, Hanae Kerrouch, Zohra Semma, Mohamed Ait Hou	<i>The role of Simulation in the context of Industry 4.0 in Building Evacuation</i> Luís Pinto Ferreira , André Ferreira, Elga Costa, Ana Luísa Ramos	<i>Application of AHP and K-means clustering for assessing digital maturity of companies</i> Mohamed Iliasse Mahraz , Loubna Benabbou, Abdelaziz Berrado	<i>Optimizing hospital procedures: logistics, risk management and the use of automated cabinets: Case of Moroccan hospitals</i> Anass Mellouki , Yassine Belyagou, Mohamed ElAbdellaoui II
12:00 12:30	<i>A Two-step Strategy for a Last-mile Delivery Time Window Assignment Vehicle Routing Problem.</i> Souleymane Balde , Oussama Dribel, Fouad Riane	<i>Improvement of an oil port’s performance using a Discrete Event Simulation approach</i> Ayat Marzoqi , Taha Dafali, Lina Aboueljinnane, Maria Lebbar, Mohamed Amine Masmoudi	<i>Application for Lean Six Sigma for maintenance: Case Study</i> Khaoula El Azzaoui , Saida Fellah, Charif Mabrouki	<i>Disruption Factors Framework For Logistics Risk Management</i> Mahmood Abdulsattar Ahmad , Ammar Al-Bazi, Maria Triantafyllou
12:30 15:15	Break			

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15:30 17:00	F1.2: Multi-agent Systems Chairs: Z.Semma & Ghita Bencheikh	F2.2: Sustainability in Supply Chain Management I Chairs: F-Z Mhada & Behrendt	F3.2: Performance analysis I Chairs: M.H. Riahi & F.Bouyahya
15:30 16:00	<i>Machine Learning Models-Based Forecasting Moroccan Stock Market</i> Hassan Oukhouya, Khalid El Himdi	<i>Sustainable last mile delivery: literature review and future directions</i> Mohamed Rhouzali, Hicham Fouraiji, Wafaa Dachry, Messaoudi Najat	<i>Simultaneous scheduling of production and maintenance in a flexible job-shop workshop</i> Ghita Bencheikh, Belgacem Battayeb
16:00 16:30	<i>An innovative Q-learning and ACO approaches for the Traveling Salesman Problem</i> Sanaa El Jaghaoui, Abdelhamid Benaini, Aissa Kerkour Elmiad	<i>Optimization of large-scale hydrogen supply chain network design problem with multi-period</i> Linfei Feng, Hervé Manier, Marie-Ange Manier	<i>Effect of Employee Training in the Air Cargo Logistics Industry in Nigeria</i> Adedotun Joseph Adenigbo, Joash Mageto, Rose Luke, Oluwasegun Sijuwade
16:30 17:00	<i>Flexible job-shop problem with predictive maintenance planning using genetic algorithm</i> Ghita Bencheikh, Salma Maataoui, Ghizlane Bencheikh	<i>Sustainable Urban Logistics and Supply Chain 4.0: A Literature Overview and Future Directions</i> Nabila Bouti, Ibrahim Boukallal, Fatima El Khoukhi	<i>Port Value Chain Performance Evaluation and Modeling</i> Saida Fellah, Khaoula El Azzaoui, Charif Mabrouki
20:00	Gala Diner "Chez Ali"		

Saturday, 04 May 2024

08:30 09:30	Plenary Conference I: Prof. Moulay Lhassan Hbid , Cadi Ayyad University, Morocco Title: "Mathematical modeling and analysis of complex systems in biology and ecology" Session Chair: Prof. Ahmed Elhilali Alaoui		
09:30 09:45	Break		
09:45 11:15	S1.2: Artificial Intelligence and Emerging Technologies II Chairs: C.Fonlupt & A.A.Elhilali	S2.1: Performance analysis II Chairs: I.A. Filipas & M.Y. Samiri	S3.1: Sustainability in Supply Chain Management II Chairs: M.S.A. Sakhri & N.Schmidtke
09:45 10:15	<i>Enhancing Battery Lifespan in Electric Vehicles: An Optimal Approach to Deploying Dynamic and Static Wireless Charging Infrastructure</i> Mohammed Bourzik, Hassane Elbaz, Ahmed El Hilali Alaoui	<i>Estimation of working capital turnover measures on interval data</i> Zhanna Zenkova, Sergey Tarima, Grigoriy Zenkov, Wilson Musoni	<i>Reverse logistic integration for concurrent configuration of product and supply chain: Financial feasibility study</i> Mohamed Barane, Latifa Ouzizi, Mohammed Douimi
10:15 10:45	<i>Digital Twins: Revolutionizing Automotive Supply Chains</i> Maria K. Triantafyllou, Ammar Al-Bazi, Mahmood Abdulsattar Ahmad	<i>Comprehensive Analysis of Methods Used for Road Safety Performance Evaluation: A Survey</i> Ibtissam El Khalai, Zoubida Chorfi, Abdelaziz Berrado	<i>Mapping the Evolution of Green Supply Chain: A Bibliometric Analysis</i> Mohamed Salim Amri Sakhri
10:45 11:15	<i>Hospital logistics digitalization and automation: usage and outcomes – A review study</i> Sara Jebbor, Abdellatif El Afia, Tarik Zouadi, Martin Beaulieu	<i>Transport infrastructure, tax competition and foreign direct investment</i> Saber Brahim, Naima El Haoud, Khaoula Kadiri	<i>A new maturity model framework for supply chain 4.0</i> Ikram El Mokit, Iaila El Abbadi, Mohammed Saddoune
11:15			