



PROGRAM

Monday, 23 December 2024	
08:00 09:00	<i>Registration</i>
09:00 09:30	<i>The Official Opening</i>
09:30 10:30	<p>Plenary Session: <i>Prof. Samuel Deleplanque, JUNIA-ISEN/IEMN Lille</i> Combinatorial Optimization and Operations Research with quantum analog machines Chair: <i>Amina El Yaagoubi, JUNIA-ISEN/IEMN Lille (Remote mode)</i></p>
10:30 11:00	<i>Break (Posters Session)</i>
11:00 12:30 (*)	<p>Session 1: Algorithms and Artificial Intelligence in Optimization Chairs: <i>Pr. Naoufal ROUKY, Pr. Fatima BOUYAHIA</i></p> <ol style="list-style-type: none"> A Heuristic Approach Using Genetic Algorithms for Optimizing Working Capital through Flexible Cash Collection Scheduling <i>HALIMA SEMAA (Remote mode)</i> An NSGA-II algorithm for synchromodal transportation problem considering external costs <i>Ananthkrishnan Vaikkathe, Abdelhamid Benaini, Jaouad BOUKACHOUR (Remote mode)</i> Comparative Analysis of Genetic Algorithm and Reinforcement Learning for solving the VRP <i>Achraf Berrajaa, Naoufal ROUKY, Abdelhamid Benaini, Jaouad BOUKACHOUR</i> Artificial Intelligence Tools and Bin Packing Problem: A Literature Review <i>Nohaila Belhaj, Abdelfetah Sedqui, NAJLAE ALFATHI (Remote mode)</i> Improvement of Accuracy and Flexibility in 3D Cardiac Models through AI and Operational Research <i>Aya Abiya, Fatima Bouyahia, Mouhcine El Mardouli, Drissi Boumzebra, Ahmed Aamouche</i>
11:00 12:30 (*)	<p>Session 2: Emerging Technologies in Supply Chain Management Chairs: <i>Pr. Adiba El Bouzekri El Idrissi, Pr. Badr Dakkak</i></p> <ol style="list-style-type: none"> A multi-stage stochastic model for the agri-food supply chain with labor constraints and blockchain technology

(*) : Presentations are about 20mns maximum



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	<p><i>Clément BAMOGO, Salma GARRA, Mustapha Oudani, AMINE BELHADI, Sofiene DELLAGI, Zied Achour (Remote mode)</i></p> <p>2. Blockchain Technology in Supply Chain Finance: An In-Depth Review and Future Research Directions <i>Laila BOUZARRA</i></p> <p>3. AI-Driven Data Management and Analytics for Industry 4.0: Optimizing Supply Chains and Enhancing Safety in Mining <i>Wafaa BIADI, Adiba El Bouzekri El Idrissi, Safaa ASSIF, Yasmina Hani</i></p> <p>4. Improving the dynamic placement of mobile units in a hybrid network: a solution to uncertainty <i>Charifa FERGANI, Adiba El Bouzekri El Idrissi, Abdelouahad Hajjaji</i></p>
12:30 14:00	Lunch
14:00 15:00	<p>Plenary Session: <i>Prof. Renaud Di francesco, British Computer Society</i> Disrupting data-vector-based operational models: -Matrices of sets for heterogeneous data aggregated in observation sets with candidate use cases Chair: Jaouad BOUKACHOUR <i>Université du Havre (Remote mode)</i></p>
15:00 15:30	Break (Posters session)
15:30 17:00 (*)	<p>Session 3: Sustainable Logistics and Transportation Chairs: Pr. Fatima EL KHOUKHI, Pr. Majda Fikri</p> <p>1. A Hybrid Approach to solve Quay Crane scheduling problem in Container <i>Sanaa Aidi, MAZOUZI Mohamed (Remote mode)</i></p> <p>2. Sustainable last mile transportation and smart city: a literature review <i>Ibrahim BOUKALLAL, Fatima EL KHOUKHI (Remote mode)</i></p> <p>3. Comparative Analysis of Metaheuristic Algorithms for Vehicle Routing Problem <i>Manal El Jaouhari, Ghita Bencheikh, Ghizlane Bencheikh</i></p> <p>4. Solving unrelated parallel machine scheduling problem by genetic algorithm <i>Hind Bouifalioune, Majda Fikri, Ghizlane Bencheikh</i></p>

Tuesday, 24 December 2024

08:30 10:00 (*)	<p>Session 4: Risk Management and Crisis Resilience in Supply Chains Chairs: Pr. BTISSAM DKHISSI, Pr. LAJJAM Azza</p>
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	<ol style="list-style-type: none"> An analytical review on Supply chain risk management: tools for different phases of the process <i>Nabil KAYOUH, BTISSAM DKHISSI</i> The supply chain management during the COVID-19 pandemic: A review on Mathematical models <i>Amine Ouba, Fatima EL KHOUKHI</i> Data Management through the entire vaccine lifecycle: issues and challenges <i>Sanae ALLAM, Adiba El Bouzekri El Idrissi, Aicha SEKHARI2 , Yacine OUZROUT</i> Older Adults' Cognitive and Emotional Adaptation to Heatwaves: A Latent Class Analysis of French Survey Data <i>Bourgeois Elisabeth, Charlier Dorothée, David Grover</i>
10:00 10:30	Break (Posters Session)
10:30 12:00	1st Meeting of the Moroccan association for operational research and decision support
12:00 14:00	Lunch

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AMINOV





PROGRAM

Posters Session

- 1. A Support tool to assist the choice of skills for maintenance intervention based on experimental design**
M.Jarifi, R. Abraim , B. Dakkak, E. Irhirane
- 2. Applying Lean Management and Six Sigma to 3D Modeling of Tetralogy of Fallot**
Aya Abiya, Fatima Bouyahia, Mouhcine El Mardouli, Drissi Boumzebra, Ahmed Aamouche
- 3. Quantification of uncertainties related to the implementation of reverse logistics process**
Soukaina Dnaya, Adiba El Bouzekri El Idrissi
- 4. Applications of Educational Data Mining in handling Big Data: A Systematic Literature Review**
Afif Fatima-Ezzahra, Bouyahia Fatima, Rafouk Leila
- 5. Circular Economy in the Era of Supply Chain 5.0: Leveraging I5.0 Technologies for Sustainable Transformation**
Youssef Jouichaa, Anass Cherrafia, Nadia Hamani, Said Elfezazi, Khadija Echefaj
- 6. The modeling of the maintenance staff allocation problem**
R.Abraim, M.Jarifi, B.Dakkak, E.Irhirane

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