Program TORS'23

		Monday 18th December 2023			
09:00		Registration			
09:40	10:00	Welcoming Coffee			
10:00	10:45	Opening Ceremony (Plenary room)			
10:45	11:25	Keynote Speech 1 (Plenary room) Prof. Jacques TEGHEM, University of Mons, Belgium A bi-objective approach to reschedule new jobs in an one machine scheduling model Chair: Prof. Habib CHABCHOUB			
11:30	12:30	Parallel Session A			

Session A1		Multicriteria Decision Aid 1 Chairs: Prof. Anissa FRINI & Prof. Ayman BOUJELBEN	Session A2		Green Vehicle Routing Problems Chairs: Prof. Samir ELHEDHLI & Prof. Houda DERBEL
		Room 1			Room 2
11:30	11:50	Enhancing Multi-Criteria Decision Making Through Aggregated Preference Learning Zaineb EL MABROUK, Sonia REBAI	11:30	11:50	A route first cluster second heursitic based VNS for the GVRP Atef DRIDI, Dalila TAYACHI, Lamjed BEN SAID
11:50	12:10	Evaluating Water Resources for Olive Tree Irrigation Using a Novel Hierarchical MCDM Model in a Linguistic Context Wiem DAOUD BENAMOR, Hela MOALLA FRIKHA, Luis MARTINEZ LOPEZ	11:50	12:10	A Multi-Objective Time-Dependent Green VRP with FIFO property Sidonie IENRA NYAKO, Dalila TAYACHI, Moncef TAGINA
11:10	12:30	A novel extension to EDMAV method under intuitionistic fuzzy context for Hydrogen mobility roll-up site selection problem Sirine BOUJELBEN, Hela MOALLA FRIKHA	11:10	12:30	Sustainability in Home Health-Care services within the Green VRP: Taxonomy, Modeling and Solutions Salma HADJTAIEB, Taicir LOUKIL, Yasmina HANI, Abderrahman EL-MHAMEDI
12:30	14:30	Lunch & Check-in			

Monday 18th December 2023 (Afternoon)

14:30 – **15:10**	**Keynote Speech 2 (Plenary room)** **Prof. Oualid JOUINI, University of Paris-Sacaly, France** **Stochastic models for the optimization of modern call centers** **Chair: Prof. Younes BOUJELBEN**	

15:15 – **16:35**	**Parallel Session B**	

Session B1	Machine Learning & Forcasting Chairs: Prof. Anis BEN ISHAK & Prof. Slim BEN YOUSSEF	Session B2	Logistics & Supply Chain Management Chairs: Prof. Taieb MELLOULI & Prof. Diala DHOUIB
	Room 1		**Room 2**
15:15 – **15:35**	On the Performance of Machine Learning in Enhancing Bootstrapping Forecasts of Intermittent Demand Marwa HASNI, Hamza LABIDI, Safa LAYEB BHAR	**15:15** – **15:35**	Equitable Vaccine Distribution Emanuele BLASIOLI, Elkafi HASSINI, Bahareh MANSOURI
15:35 – **15:55**	Modelling the Fama-French five factor model with Machine Learning Fatma HACHICHA	**15:35** – **15:55**	Cold Chain logistic Challenges: A comprehensive literature review Imen AYADI, Ahmed FRIKHA, Mohamed Ali ELLEUCH
15:55 – **16:15**	Modeling and Forecasting Patient Admissions in the Emergency Department of CHU Mahdia Hospital: An Approach Based on Time-Series Analysis and ARIMA /GARCH Models Afef BEN BRAHIM, Hichem KAMOUN	**15:55** – **16:15**	Experimental study on optimized reverse logistic network of end life products Walid ELLILI, Sonia TRIFA, Taicir MOALLA LOUKIL
16:15 – **16:35**	Data-Driven Decision Support for Enhancing Outpatient Chemotherapy Operations Management Majed HADID, Regina PADMANABHAN, Adel ELOMRI	**16:15** – **16:35**	Problem based learning model (pbl), audio-visual learning internship (avl) and supply chain management career preparedness in kenya. Charles Malack OLOO, Emmanuel AWUOR

16:35 – **17:00**	**Coffee Break**	

17:00 – **17:40**	**Keynote Speech 3 (Plenary room)** **Prof. Walid KLIBI, KEDGE Business School, France** **Fostering Robustness in Supply Chain Design : A unifying framework for future opportunities** **Chair: Prof. Omar BEN AYED**	

17:45 – **18:45**	**Parallel Session C**	

Session C1	Heuristics and Metaheuristics Chairs: Prof. Oualid JOUINI & Prof. Mahdi MRAD	Session C2	Logistics & Transport Management Chairs: Prof. Fatma GZARA & Prof. Said GUITOUFI
	Room 1		**Room 2**
17:45 – **18:05**	A Genetic algorithm for solving an integrated operating room planning and scheduling problem Fadwa AOUINI, Asma OULED BEDHIEF, Najla AISSOUI, Safa LAYEB BHAR	**17:45** – **18:05**	Reinforcement Learning-driven Evolutionary Optimization for the Traveling Salesman Problem Safa LAYEB BHAR, Maryem BENSLIMANE
18:05 – **18:25**	Binary Cat and Mouse Optimization Method for the Traveling Repairman Problem Sirine JMAL, Boukthir HADDAR, Habib CHABCHOUB	**18:05** – **18:25**	On Assessing Synergy in an Auctioned Customer Bundle Amina ANTIT, Chefi TRIKI, Safa LAYEB BHAR, Amel JAOUA
18:25 – **18:45**	Solving a new Dynamic CVRP with two-dimensional loading constraints using an adaptive chemical reaction optimization metaheuristic Ines SBAI, Saoussen KRICHEN	**18:25** – **18:45**	Unlocking Operational Efficiency: A Review of Worker and Vehicle Allocation and Optimization in Airport Ground Handling Siwar MOUMNI, Abdelkarim ELLOUMI

19:00	**Dinner**	

		Thuesday 19th December 2023			
08:30	09:10	**Keynote Speech 4 (Plenary room)** **Prof. Anissa FRINI, University of Québec, Canada** **Temporal MCDA methods for sustainable decisions under uncertainty** **Chair: Prof. Jacques TEGHEM**			
09:10	10:10	Parallel Session D			
Session D1		**Planning and Scheduling 1** **Chairs: Prof. Fayçal BELKAIED & Prof. Safa ELAYEB**	**Session D2**		**OR Applications** **Chairs: Prof. Chefi TRIKI & Prof. Dalila TAYACHI**
		Room 1			Room 2
09:10	09:30	Multi-pass based-heuristic for solving RCPSP Mariam BAYAR, Mohamed Ali KHEMAKEM, Mohamed Ayman BOUJELBEN	09:10	09:30	Ranking Municipalities in Solid Waste Collection: A Dual Approach Combining DEA and Dominance Analysis Sabrine ISMAIL, Habib CHABCHOUB, Soulef SMAOUI
09:30	09:50	Simulated Annealing as an Upper Bound for the Two-Machine Flowshop Scheduling Problem with Release Dates and Blocking Constraint Ines AGREBI, Talel LADHARI	09:30	09:50	Evaluation of the performance of the main Tunisian ports: Data Envelopment Analysis Mohsen BEN MABROUK
09:50	10:10	Solving multi-objective scheduling problem with compromise programming and satisfaction functions Salma KANOUN	09:50	10:10	Photovoltaic solar panel selection and related issues based on MCDM methods : A literature review Mejda BOUZID, Mohamed Ali ELLEUCH, Ahmed FRIKHA,
10:10	10:30	Coffee Break			
10:30	11:10	**Keynote Speech 5 (Plenary room)** **Prof. Fatma GZARA, Univrsity of Waterloo, Canada** **Analytics for smart city logistics** **Chair: Prof. Walid KLIBI**			
11:10	12:30	**Workshop Session** **Workshop (Plenary room)** **Prof. Samir ELHEDHLI, University of Waterloo , Canada** **Junior Faculty and Graduate Student Workshop: Emerging Opportunities in OR and Industrial Engineering** **Moderator : Prof. Naceur AZAIEZ**			
12:30	14:00	Lunch			
14:00	18:30	**Social Program** **CARTHAGE & SIDI BOU SAID**			
19:00		Dinner			

Wednesday 20th December 2023

08:30 – 09:10	**Keynote Speech 6 (Plenary room)** **Prof. Taieb MELLOULI, University of Halle-Wittenberg, Germany** **Interdependence-aware Modeling, Analytics and Optimization for complex Systems' Business** **Chair: Prof. Hedi NABLI**	

09:15 – 10:15	**Parallel Session E**

Session E1	**Planning & Scheduling 2** **Chairs: Prof. Jacques TEGHEM & Prof. Taicir LOUKIL**		**Session E2**	**Multicriteria Decision Aid 2** **Chairs: Prof. Sonia REBAI & Prof. Ahmed FRIKHA**
	Room 1			**Room 2**
09:15 – 09:35	Lower Bounds for the Two-Machine Flowshop Scheduling Problem with Release Dates and Blocking Constraint Ines AGREBI, Talel LADHARI		09:15 – 09:35	A Novel Approaches (RASS-RATSI) in Multi-Criteria Decision-Making Tactics Emna ZOUAGHI, Hela MOALLA FRIKHA, Abir OUHIBI
09:35 – 09:55	Machine scheduling with reinforcement learning Jaber EL MENCHOUL, Hatem HADDA		09:35 – 09:55	Enhancing Industry 4.0 Manufacturing Strategies: Combinative MCDA-based framework Mouna REGAIEG CHERIF, Hela MOALLA FRIKHA
09:55 – 10:15	Minimizing energy consumption for parallel machine scheduling problem Fayçal BELKAID, Housseyn Amin KAHOUADJI		09:55 – 10:15	A Novel H-FTOPSIS based Consensus Process for green suppliers' selection in the context of group decision making Hichem BRAHMI, Taicir MOALLA LOUKIL, Maroua GHRAM

10:15 – 10:40	**Coffee break**

10:40 – 11:40	**Parallel Session F**

Session F1	**Theoritical Developments** **Chairs: Prof. Naceur AZAIEZ & Prof. Abdelaziz DAMMAK**		**Session F2**	**Optimization & Risk Management** **Chairs: Prof. Raoudha KAMMOUN & Prof. Soulef SMAOUI**
	Room 1			**Room 2**
10:40 – 11:00	An R&D game with incomplete information and endogeneous free riding decision Mouna BEN BRAHIM		10:40 – 11:00	Enhancing Portfolio Optimization: A Novel Model Integrating Dowside risk, Frequency and Magnitude of Loss Sonia TRABELSI, Mehdi MRAD, Sonia REBAI
11:00 – 11:20	Greedy Sequential Feature Elimination: A Novel Approach to Feature Selection Saber ABID, Moncef ABBAS, Belkacem FERGANI		11:00 – 11:20	Utilizing Parallel Programming to Optimize Linear Functions within Integer Efficient Sets Chaabane DJAMAL, Sara HAMADOU
11:20 – 11:40	Multicriteria dominance degree method : Rank reversal in case of interval data Moncef ABBAS, Marc PIRLOT, Roumeissa KERBOUI		11:20 – 11:40	Exploring Risk Management Approaches: Balancing Deterministic and Stochastic Methods Wissem ENNOURI

11:40 – 12:00	**Closing Cermony & Awards**

12:00	**Check Out**