

**Program ORPA'2015**

**Monday, April 20**

8:00-9:00	<b>Registration</b>			
9:00-9:30	<b>Opening Ceremony</b>			
9:30-10:30	<b>Plenary 1: Ridha Mahjoub, Network Survivability and Polyhedral Analysis</b> Chair: Serigne Gueye			
10:30-11:00	<b>Tea-Coffee Break</b>			
11:00-12:20	<b>Contributed Paper Sessions</b>			
	Room 1	Metaheuristic	Chair: Abdelhakim AitZai	
			Mohamed Lakehal	<i>A Tabu Search for a Bicriteria Scheduling Problem of Job-Shop with Blocking</i>
			Karima Bouibede	<i>A Tabu Search and a Genetic Algorithm for solving a Bicriteria Parallel Machine Scheduling Problem</i>
			Wahiba Bouabsa	<i>Some asymptotic normality result of k-Nearest Neighbour estimator</i>
	Room 2	Combinatorics	Chair: Abdelhafid Berrachedi	
			Mourad Rahmani	<i>A three-term recurrence relation for computing Cauchy numbers</i>
			Oussama Igueroufa	<i>Generalized catalan numbers based on generalized pascal triangle</i>
			Moussa Ahmia	<i>Unimodal rays in the q-ordinary binomial coefficient</i>
	Room 3	Stochastic Programming	Chair: Fayçal Hamdi	
			Wissam Bentarzi	<i>Periodic Integer-Valued GARCH</i>
			Fares Ouzzani	<i>On the estimation of mixture periodic integer-valued ARCH models</i>
			Ines Brahimi	<i>On the Inference of Periodic Mixture Generalized Autoregressive Conditional Heteroscedastic Model</i>
Nadia Boussaha	<i>Estimation des paramètres d'un modèle à volatilité stochastique périodique</i>			
12:30-14:30	<b>Lunch Break</b>			
14:30-15:30	<b>Plenary 2: Hans W. Ittmann, Freight Transport Planning and Modelling - its application within a rail environment</b> Chair: Adnan Yassine			
15:40-16:40	<b>Contributed Paper Sessions</b>			
	Room 1	Metaheuristic	Chair: Mohammed Yagouni	
			Asma Boumesbah	<i>An approximation of the Pareto frontier for the multi-objective spanning tree problem</i>
			Karim Amrouche	<i>Complexity results of a chain reentrante shop with an exact time lag</i>
	Room 2	Transport	Chair: Meriem Mechebbek	
			Oumar Sow	<i>Data Envelopment Analysis with presolve as a decision making tool. Dakar Dem Dikk case study</i>
			Baldé Mouhamadou Amadou	<i>A new Heuristic method for Transportation Network and Land Use Problem</i>
	Room 3	Combinatorial Optimization	Chair: Karima Bouibede	
			Mohamed El Amine Badjara	<i>Contribution à la résolution du problème du stable multi-objectif</i>
			Amirouche Bourahla	<i>Amélioration d'une méthode exacte pour la recherche des solutions entières efficaces</i>
Asmaa Khoudi	<i>Bi-objective branch and bound algorithm to minimize total tardiness and system unavailability on single machine problem</i>			
16:40:16:50	<b>Tea-Coffee Break</b>			
16:50-17:50	<b>Contributed Paper Sessions</b>			
	Room 1	Applic. OR	Chair: Babacar M. Ndiaye	
			Manel Boutouis	<i>Sécurité des aliments : quelle règle de responsabilité? Une approche par la théorie des jeux.</i>
			Nacim Nait Mohand	<i>Production agro-alimentaire dans les pays en développement: qualité ou quantité? Un modèle d'analyse</i>
	Room 2	Transport	Chair: Isma Bouchemakh	
			Omar Mosbah	<i>La dynamique des d'épidémies dans un réseau de petit monde</i>
			Mohammed Sbihi	<i>A Mixed Integer Linear Programming Model for the North Atlantic Aircraft Trajectory Planning</i>
	Room 3	Stochastic Programming	Chair: Ourida Sadki	
			Nesrine Zidani	<i>Approximation of multiserver retrial queues by truncation technique</i>
			Nadjet Stihi	<i>Systèmes d'attente avec arrivées négatives et leurs applications dans les réseaux de neurones</i>
Nabil Bacha	<i>A condition based maintenance model using Bayesian control chart</i>			

Tuesday, April 21

8:30-9:30	Plenary 3: Adnan Yassine, Optimisation des flux physiques sur un terminal roulier Chair: Mourad Boudhar		
9:30-10:30	Plenary 4: Sheetal Silal, Hitting a moving target: Analysing epidemiology using Operational Research Chair: Imed Boudabbous		
10:30-11:00	Tea-Coffee Break		
11:00-12:20	Contributed Paper Sessions		
Room 1	Graph Theory	Chair: Fatima Affif Chaouche	
		Hakim Harik	<i>On bandwidth of a n-dimensional grid</i>
		Mohamed Amine Boutiche	<i>Forwarding Indices of Some Graphs</i>
		Fatma Messaoudi	<i>Some applications of the double and paired-dominating polynomials</i>
Room 2	Global Optimization	Chair: Nawel Kahoul	
		Aicha Bareche	<i>An optimal approximation of the GI/M/1 model with two-stage service policy</i>
		Gyongyi Bankuti	<i>Animation of the Goal Function of Classical Parametric Problems with an Interactive Maple Tool</i>
		Adda Ali-Pacha	<i>Approximation des Equations Différentielles des Attracteurs Chaotiques Appliquée à la Cryptographie</i>
Room 3	Stochastic Programming	Chair: Ali Berrichi	
		Salima Amrouche	<i>Multi-Objective Stochastic Integer Linear Programming</i>
		Fatima Bellahcene	<i>On the Solution of the Multiobjective Maximum Probability Problem</i>
		Baha Alzalg	<i>Stochastic second-order cone programming: Applications and algorithms</i>
		Zahia Bouabbache	<i>Optimal control of dynamic systems with random input</i>
12:30-14:30	Lunch Break		
14:30-18:00	Social Program (visit to Casbah of Algiers)		

Wednesday, April 22

8:30-9:30	Plenary 5: Imed Boudabbous, Indecomposable tournaments and critical vertices Chair: Hacène Belbachir				
9:30-10:30	Plenary 6: Hans W. Ittmann, City Logistics and Urban Freight Transport Challenges in Developing Countries Chair: Sheetal Silal				
10:30-11:00	Tea-Coffee Break				
11:00-12:20	Contributed Paper Sessions				
	Room 1	Global Optimization	Chair: Sihem Bekkai		
			El-Sedik Lamini	<i>Optimisation de la largeur bit pour l'évaluation des polynômes</i>	
			Imene Touil	<i>On complexity analysis of interior point method for semidenite programming based on a new kernel function</i>	
			Mohamed Kecies	<i>Application de la méthode du point fixe dans le cas p-adique</i>	
	Room 2	Combinatorics	Chair: Miloud Mihoubi		
			Zakaria Chemli	<i>Shifted domino tableaux and the super shifted plactic monoid</i>	
			Assia Medjerredine	<i>Stirling and Bell Numbers of Some Join Graphs</i>	
			Assia Fettouma Tebtoub	<i>Successive associated stirling numbers</i>	
	Room 3	Stochastic Programming	Chair: Djenat Seddiki		
			Ourida Sadki	<i>Asymptotic behavior of a Local linear estimation of conditional hazard rate function for truncated data</i>	
			Samra Dhiabi	<i>Kernel estimator of conditional hazard rate function for associated censored data</i>	
			Sara Stihi	<i>Convergence de densité spectrale dans l'ensemble de Wishart</i>	
			Selma Meradji	<i>Les notations de base et les préliminaires de G-calcul stochastique</i>	
			12:30-14:30 Lunch Break		
			14:30-15:50 Contributed Paper Sessions		
			Room 1	Combinatorics, Applic. RO	Chair: Sadek Bouroubi
Amar Oukil	<i>Inverse optimization: An efficient tool for resource reallocation in the farming sector</i>				
Abdelkader Mendas	<i>MCDM and GIS to identify land suitability for agriculture</i>				
Room 2	Combinatorics	Chair: Mohamed Amine Boutiche			
		Ali Chouria	<i>Bell polynomials in combinatorial Hopf algebras</i>		
		Fariza Krim	<i>Linear recurrence sequence associated to rays of negatively extended Pascal triangle</i>		
		Imad Eddine Bousbaa	<i>Associated r-Stirling numbers</i>		
Room 3	Combinatorial Optimization	Chair: Amina Haned			
		Ryma Zineb Badaoui	<i>Algorithmes exacts et approchés pour le problème d'ordonnement préemptif sur machines parallèles avec délais de transport</i>		
		Amine Mohabeddine	<i>Ordonnement sur deux machines avec contraintes de concordance : machines identiques et uniformes</i>		
		Nour El Houda Tellache	<i>Flow-shop scheduling problem with conflict graphs</i>		
			Nadjet Meziani	<i>Problème du flowshop à deux machines avec des opérations couplées sur la première machine</i>	
			15:50-16:00 Tea-Coffee Break		
16:00-16:30	Closing Ceremony				