

GOL 2014 – 5, 6 & 7 June 2014
2nd IEEE International Conference on Logistics Operations Management

Thursday, June 5th, 2014

- 07h45-08h45 **Registration**
- 08h45-09h15 **Welcome – The conference GOL'2014 Opening**
- 09h15-10h00 ***Invited speaker: La logistique, levier du développement***
Professor Mohamed Najib Boulif
Deputy Minister of Transport in the Ministry of Equipment, Transport and Logistics
Session chair: Pr. Youssef Benadada
- 10h00-10h30 Coffee break
- 10h30-12h30 **Parallel sessions**
Session J1 : Information Systems Engineering
Session chairs: Pr. A. El Fazziki & Pr. M. Sadgal
- 10h30-11h00 **Amine Karmouche**, Yassine Salih-Alj and Jawad Abrache
A Distributed Aisle-level Scanning Approach for RFID Shopping Systems
- 11h00-11h30 **Jawad Abrache**, Teodor Crainic, Michel Gendreau and Tarik Aouam
An auction mechanism for multilateral procurement based on Dantzig-Wolfe decomposition
- 11h30-12h00 **Fidae Harchli**, Es-Safi Abdelatif and Mohamed Ettaouil
Novel method to optimize the architecture of Kohonen's topological maps and clustering
- 12h00-12h30 **Mokhtaria Bekkaoui**, Mohammed Chakib Sekkal, Sidi Mohamed Meliani, Nasreddine Berrached and Zaki Sari
The collaboration of experts in a platform S-Maintenance
Session J2: Coordination of non-collaborative supply chain network
Session chairs: Pr. Atour Taghipour, Pr. N. Zoghlami
- 10h30-11h00 **Desplebin Olivier**
Création de valeur dans les Réseaux Territorialisés d'Organisations (RTO) : vers un outil de gestion de la performance des ports maritimes de commerce
- 11h00-11h30 **Atour Taghipour**
Globally improvement of upstream planning in manufacturing networks
- 11h30-12h00 **Nouha Hadj Taieb**, Mellouli Racem and AffesHabib
Impact of Means and Resources Pooling on Supply-Chain Operations Management: Crucial Issues of Strategical, Tactical and Operational Levels
- 12h00-12h30 **Chourouk Gharbi**, Luc Lebel and Daniel Beaudoin
Planification des approvisionnements des produits forestiers: Étude exploratoire pour les forêts publiques Québécoises

Session J3 : Supply Chain 1

Session chairs: Pr. F. El Khoukhi & Pr. F. Ezzaki

- 10h30-11h00 **Berrada El Azizi Mohamed** and Thiel Daniel
Modélisation des Systèmes Complexes, Cas des Chaînes Logistiques à Deux Echelons Auto-Organisées : Approche par le Multi-Agents
- 11h00-11h30 **Adnane Lazrak**, Bruno Castanier, David Lemoine, Robert Heidsieck and Cyrille Thenot
Approches d'intégration de l'analyse de performances des méthodes de prévision avec les indicateurs de gestion des stocks dans le cas d'une chaîne logistique des pièces de rechange
- 11h30-12h00 **Hamid Ech-Cheikh**, Saâd Lissane Elhaq, Ahmed Rachid and Abdessamad Douraid
Simulating demand uncertainty and inventory control variability of multi-echelon distribution supply chain
- 12h00-12h30 **Driss Essabbar**, Maria Zrikem, Marc Zolghadri and Abderrahman Ayadi
The effect of power and dependency on business relationships between partners in supply chain
- 13h00-15h00 Lunch**
- 15h00-16h00 ***Plenary Conference: Perspectives on City Logistics***
Professor Teodor Gabriel Crainic,
School of Management of the University of Québec, Montreal, Canada
Session chair: Pr. Ahmed Elhilali Alaoui
- 16h00-16h30 Coffee break
- 16h30-19h00 **Parallel sessions**
Session J4 : Air logistics
Session chairs: Pr. El Merouani & A. Ettaouil
- 16h30-17h00 **Rachid Kaidi**, Karim Elmoutaouakil and Mohamed Ettaouil
Sectorization of Airspace with Controllers Workload Balanced by Continuous Hopfield Network (CHN)
- 17h00-17h30 **Oussama Aoun** and Abdellatif El Afia
Using Markov Decision Processes to Solve Stochastic Gate Assignment Problem
- 17h30-18h00 **Omar Ezzinbi**, Abdellatif El Afia, Youssef Benadada and Malek Sarhan
An Optimization Model for Aircraft on Ground Maintenance Problem
- 18h00-18h30 **Omar Ezzinbi**, Malek Sarhani, Abdellatif El Afia and Youssef Benadada
Particle swarm optimization algorithm for solving airline crew scheduling problem

Session J5: Vehicle routing problems 1

Session chairs: Pr. T.G. Crainic & Pr. M. El Khomssi

- 16h30-17h00 **Axel Grimault**, Fabien Lehuède and Nathalie Bostel
A two-phase heuristic for full truckload routing and scheduling with split delivery and resource synchronization in public works
- 17h00-17h30 **Elhassania Messaoud**, Jaouad Boukachour and Ahmed Elhilali Alaoui
Solving the Dynamic Vehicle Routing Problem using Genetic Algorithms
- 17h30-18h00 **Benslimane Mohammed Taha** and Benadada Youssef
Exact method for the multi-region vehicle routing problem in large quantities by a heterogeneous fleet of vehicles
- 18h00-18h30 **Abdelaziz Benantar**, Rachid Ouafi and Jaouad Boukachour
A Petrol Station Replenishment Problem: New Variant and Formulation

Session J6: Manufacturing

Session chairs: Pr. B. Aghezzaf & Pr. A. Yassine

- 16h30-17h00 **Malek Sarhani** and Abdellatif El Afia
An Extension of X13-ARIMA-SEATS to Forecast Islamic Holidays Effect on Logistic Activities
- 17h00-17h30 **Mohammed Alnahhal**, Bernd Noche and Asep Ridwan
In-plant Milk Run Decision Problems
- 17h30-18h00 **Rachad Sofia**, Fouraiji Hicham and Bensassi Bahloul
Modeling by identification approach for a production line with ARX model
- 18h00-18h30 **Houcine Dammak**, Adnene Hajji and Mustapha Nour El Fath
Dynamic Production Planning in Unreliable Reconfigurable Manufacturing Systems

Vendredi 6 juin 2014

- 09h00-10h00: ***Plenary Conference: System Dynamics for Supply Chains***
Professor Henri Pierreval
LIMOS, French institute of mechanical engineering (IFMA), Clermont-Ferrand, France
Session chair: Pr. Adnane Yassine
- 10h00-10h30: Coffee break

10h30-13h00: **Parallel sessions**

Session V1 : Enterprise Risk Management

Session chairs: Pr. F. Marmier, Pr. D. Gourc

10h30-11h00 **Badreddine Benyacoub**, Souad El Bernoussi and Abdelhak Zoglat
Building classification models for Customer credit scoring

11h00-11h30 Hafida Lmoussaoui and Hicham Jamouli
Study of dependencies in a risk management process: case of a construction project

11h30-12h00 **Anne Winter**, Ioana Deniaud and Emmanuel Caillaud
Risk Assessment of a Sustainable Supply Chain. Case Study at Kuehne + Nagel Luxembourg

12h00-12h30 **François Marmier**, Naoufel Cheikhrouhou and Dider Gourc
Improvement of the planning reliability by the integration of human skills in project risk management

Session V2: Third-Party Logistics: Performance, integration in a supply chain, and trends in logistics services

Session chairs: Pr. A. Aguezoul & Pr. H. Pierreval

10h30-11h00 **Sanae Larioui**, Mohamed Reghioi, Abdellah El Fallahi and Kamal Eddine El Kadiri
A Memetic algorithm for the vehicle routing problem with cross docking

11h00-11h30 **Wided Bedoui** and Saloua Ben Ammou
Seaport stake holders analysis

11h30-12h00 **Fayçal Mimouni**, Abdellah Abouabdellah and Hassan Mharzi
Evaluation de la logistique inverse sur la performance d'une chaîne de production d'une logistique directe

Session V3 : Transport

Session chairs: Pr. J. Abrache & Pr. A. Bruzzone

10h30-11h00 **Abdelaziz Lakehal** and Zine Ghemari
Optimisation de la fonction logistique par maîtrise des risques par diagramme d'influence : cas des risques liés au transport routier

11h00-11h30 **Asmae El Ghadouali**, Oulaid Kamach and Benaissa Amami
Fault Diagnosis in discrete event systems applying multi-model approach and method of forced event

11h30-12h00 **Mustapha Oudani**, Ahmed El Hilali Alaoui and Jaouad Boukachour
An optimization approach for the intermodal transportation of cut flowers

12h00-12h30 **Bouzir Saad Aida**, Souissi Besma and Benammou Saloua
Modeling the passengers' waiting times at multimodal stations

13h45-16h00 Lunch

16h30-19h30 Tourist tour in Rabat

20h00-23h00 Gala diner

Samedi 7 juin 2014

- 09h00-10h00 **Plenary Conference: Logistics Shortfalls as Opportunities for Innovation**
Professor Agostino Bruzzone
DIPTeM, University of Genoa, Italy
Session chair: Pr. Jaouad Boukachour
- 10h00-10h15 Coffee break
- 10h15-11h45 **Parallel sessions**
Session S1: Vehicle routing problems 2
Session chairs: Pr. F-Z. Mhada & Pr. A. El Afia
- 10h15-10h45 **Rajaa Ayadi**, Adiba El Bouzekri El Idrissi, Youssef Benadada and Ahmed El Hilali Alaoui
Memetic algorithm for a multi-objective green vehicle routing problem with multiple trips
- 10h45-11h15 **Brahim Aghezzaf** and Hassan El Fahim
The team orienteering problem with time windows in the context of distribution problems: A variable neighborhood search algorithm
- 11h15-11h45 **Adiba El Bouzekri El Idrissi**, Ahemd El Hilali Alaoui and Youssef Benadada
Optimizing the amount of emissions of greenhouse gaz for capacitated vehicle routing problem
- 11h45-12h15 Ellaia Rachid, **Gannouni Asmae** and Talbi El-Ghazali
Novel Probabilistic Pareto Ranking for Stochastic Multi-objective Optimization: Solving Multi-objective stochastic VRP
Session S2: Supply Chain 2
Session chairs: Pr. H. Jamouli & Pr. Y. Benadada
- 10h15-10h45 **Ilham Slimani** and Said Achchab
Game theory to control logistic costs in a two-echelon supply chain
- 10h45-11h15 **Hind Moutaoakil** and Hicham Jamouli
Analysis and modeling of Moroccan citrus Supply chain based on Multi-Agent System and Performance Indicators: Responsive and Robust Planning
- 11h15-11h45 **Kawtar Tikito**, Said Achchab and Youssef Benadada
Stochastic Model Predictive Control for costs optimization in a supply chain under a stochastic demand
- 11h45-12h15 **Mourad Allalou**, Fatima Nibouche and Oum-Hani Belmokhtar
Modélisation de la chaîne logistique par le modèle de intégré, application

12h15-13h15 **Parallel sessions**

Session S3 : Port Logistics

Session chairs: Pr. S. Achchab & Pr. A. Jamali

12h15-12h45 **Azza Lajjam**, Mohamed El Merouani and Abdellatif Medouri

Ant colony system for solving quay crane scheduling problem in container terminal

12h45-13h15 **Chafik Razouk**, Youssef Benadada and Jaouad Boukachour

Literature view of containers terminal problem Case of study: Container stacking Problem – mathematic model and resolution

13h15-13h45 **Abderaouf Benghalia**, Jaouad Boukachour and Dalila Boudebous

Modélisation et simulation du transfert massifié de conteneurs : cas du port du Havre

Session S4 : Hospital Logistics

Session chairs: Pr. A. Abouabdellah, Pr. A. Cherkaoui

12h15-12h45 **Latifa Dekhici** and Khaled Belkadi

Ordonnancement bi-objectif de bloc opératoire Cas de l'hôpital pédiatrique d'Oran

12h45-13h15 **Alexis Nsamzinshuti**, Caroline Van Elslande and Alassane NdiayeBallé

Designing a hospital performance measurement system (HPMS) based on SCOR Model

13h15-13h45 **Karima Zejli**, Abdellah Azmani and Mustapha Erriani

Applying Fuzzy Analytic Hierarchy Process (FAHP) to Evaluate Factors Locating Emergency Logistics Platforms

14h00 **Closing Cocktail**