



## International Conference on Information Systems, Logistics and Supply Chain

## TENTATIVE PROGRAM

Novotel Casa City Center  
Rooms "Lis"

*Creating value through green  
supply chains*

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### Tuesday April 13 - 2010

8.30 - 12.00	Frenchspeaking conference about Logistics : <i>Logistique, accélérateur de croissance</i>
8h30-9h00	<i>Accueil</i>
9h00-9h30	<i>Introduction de la conférence</i> , Prof. Fouad Riane, Louvain School of Management, Belgique.
9h30-10h00	<i>Place des plateformes dans le développement de la logistique au Maroc</i> , Prof. Mustapha El Khayat, Président de l'association marocaine de la Logistique, Maroc.
10h00-10h30	<i>Cluster Logistique Rhône Alpes, pour une compétitivité régionale</i> , Prof. Valérie Botta-Genoulaz, INSA Lyon, France
10h30-11h00	Pause Café
11h00-11h30	<i>Logistique, un exemple canadien de collaboration entre l'université, l'industrie et les pouvoirs publics</i> , Prof. Sophie d'Amours, Université Laval, Canada
11h30-12h00	<i>Discussion</i>
12h00	<i>Clôture des travaux</i>
14.00 - 17.30	<b>ILS 2010 Conference Registration</b>
14.00 - 18.00	Student competition: <b>Salah E. Elmaghraby's award</b>
18.00 - 19.00	Meeting of the student competition committee
19.15	Dinner

**Wednesday, April 14 – 2010**

8.00 - 9.00	Welcome and registration			
8.30 - 9.00	<b>Official welcoming</b> Organizing committee chairs : Pr. <b>Fouad Riane</b> and <b>Nikolaï Tchernev</b> Scientific committee chair : Pr. <b>Valérie Botta-Genoulaz</b>			
9.00 - 9.45	<b>Plenary session: Logistics in activity networks</b> Pr. <b>Salah Elmaghraby</b> Chairman: Pr. <b>El Houssaine Aghezzaf</b>			
9.45 - 10.30	<b>Plenary session: Modeling the assemble-to-order supply chain</b> Pr. <b>Ton G. de Kok</b> Chairman: Pr. <b>Fouad Riane</b>			
10.30 - 11.00	Coffee break			
11.00 - 12.30	<b>Supply chain planning and Optimization</b> <b>Jean-Pierre Campagne</b>  <i>Benaïcha Elabassi S., Hadj-Alouane AB., Benjafaar S.</i> Flexibility chaining in location-allocation problems <i>Lotfi M., Houshmand M.</i> Agility evaluation using fuzzy logic in an original equipment manufacturer company <i>Kaddouci A., Zgaya H., Hammadi S., Bretaudeau F.</i> Generic need estimating agents for crisis management	<b>Green supply chain management</b> <b>Wassila Mtaala</b>  <i>Hoën K. M. R. , Tan T. , Fransoo J.C., van Houtum G.J.</i> Modeling of supply mode selection under carbon emission restrictions <i>Nouira Imen, Yannick Frein, Atidel Hadj-Alouane</i> Towards the design of a green supply chain: a literature review and the basis of an optimization model <b>Gharzouzi N., Baptiste P.</b> A method to evaluate the greenhouse gas emissions of a logistic platform: application to a Canadian platform	<b>Transportation and distribution management</b> <b>Alain Martel</b>  <b>Goel A.</b> The Impact of Dynamism on Motor Carrier Performance <b>Greasley A., Love D., Assi A.P.</b> Investigating local delivery by road to retail and non-retail customers in the UK logistics sector <b>Zhang Z., Riane F.</b> Transportation of Sludge from Sewage treatment – A planning of its logistic system by integrating green transport mode	<b>Simulation techniques and supply chain</b> <b>Lyes Benyoucef</b>  <i>Naciri S., Gobet O., Kant J.D., Yoo M-J., Glardon R.</i> Elicitation of human decision making patterns in supply chains using participatory simulation <b>Hakimi D., Montreuil B., Labarthe O.</b> Supply web agent-based simulation platform <b>Bensmaine A., L. Benyoucef, Z. Sari</b> Intelligent simulator for production-distribution network analysis
12.30 - 14.00	Lunch			
14.00 - 15.30	<b>Supply chain planning and Optimization</b> <b>Vincent Giard</b>  <i>Belmokhtar S., Herrera C., Thomas A.</i> A general approach for hierarchical production planning considering stability <b>Di Martinelly C., Bronfman N.</b> Framework for managing the supply	<b>Green supply chain management</b> <b>Verter Vedat</b>  <b>Oral M.</b> Green Supply Chain management research: ontological and epistemological issues <b>Durand B.</b> Is green logistics changing the trend of inventory centralization?	<b>Simulation and supply chain</b> <b>Valérie Botta-Genoulaz</b>  <i>Lamas A., Chevalier P., Riane F.</i> Lot Sizing problems in a shared production environment <b>Lange J-C., Semal P., Evrard K.</b> Design of a network for the return flows of a multi-type fleet of logistic containers	<b>Collaboration, Coordination in Supply Chain Management</b> <b>Jacques Lamothe</b>  <b>Grobot B. , Ming Y. , Houé R.</b> From Technical to Human aspect of Coordination in Aeronautical Supply Chains <b>Marquès G., Gourc D., Lamothe J., Thierry C.</b>

	<p>chain risks <b>Suon M., Grangeon N., Norre S., Gourguechon O.</b></p> <p>A hybrid metaheuristic for a strategic supply chain planning problem with procurement-production-distribution activities and economy of scale</p>	<p><b>Kenné J-P., Dejax P., Gharbi A.</b></p> <p>Production control of a hybrid manufacturing/remanufacturing system in reverse logistics</p>	<p><b>Mlinar T., Chevalier P.</b></p> <p>Lead time setting in a shared production system</p>	<p>Collaboration and risk management support in uncertain supply chain context</p> <p><b>Huang G. Q., Huang Y.</b></p> <p>Coordinating suppliers and components selection, pricing and inventory decisions in a multi-level supply chain: a game-theoretic approach</p>
15.30 - 16.00	Coffee break			
16.00- 18.00	<p><b>Supply chain planning and Optimization</b> <b>Bernard Grabot</b></p> <p><b>Bahloul K., Baptiste P., Baboli A., Campagne J.P.</b></p> <p>A new multi-product ordering policy based on shortage with a probabilistic demand</p> <p><b>Cheaitou A., van Delft C., Jemai Z., Dallery Y.</b></p> <p>Two-period production planning and inventory control model with demand forecasts updating</p> <p><b>Elamraoui A., Manier M.A., Elmoudni A., Benrejeb M.</b></p> <p>Exact method for solving the n-cyclic hoist scheduling problem with heterogeneous parts</p> <p><b>Brusset X.</b></p> <p>Prior investment information and rent distribution</p>	<p><b>Green supply chains: analysis and design</b> <b>Nico Vandaele</b></p> <p><b>Aras N., Verter V.</b></p> <p>On the Benefits of Integrated Network Design for Closed-Loop Supply Chains</p> <p><b>Colen P., Lambrecht M.</b></p> <p>Product service systems as a vehicle for sustainability: Exploring service operations strategies</p> <p><b>Flisberg P., Frisk M., Rönnqvist M.</b></p> <p>FuelOpt - A decision support system for forest fuel logistics</p> <p><b>Lieckens K., Vandaele N.</b></p> <p>Reverse Logistics Network Design: The Impact of Lead Times and Stochasticity</p>	<p><b>Project management</b> <b>Salah E. Elmaghraby</b></p> <p><b>Amaral A., Araujo M.</b></p> <p>Knowledge management framework for project management towards the organizational learning</p> <p><b>Benmansour R., Elmaghraby S. E., Artiba A., Allaoui H.</b></p> <p>The Approximation of Distributions by Phase-Type Distributions</p> <p><b>Tereso A., Barreiro D. , Araújo M. , Elmaghraby S.</b></p> <p>On The Optimal Resource Allocation in Projects Considering the Time Value of Money</p> <p><b>Silva H., Tereso A., Oliveira J.</b></p> <p>On resource complementary in activity networks</p>	
18.00 - 19.00	Meeting of the scientific committee			
19.15	Facultative Dinner			

Thursday, April 15 - 2010

9.15 - 10.00	<b>Industrial session:</b> <i>Driving the business in the crisis storm, M. Pascal Zammit, Michelin</i> Chairman: M. Kurt Weiss			
10.00 - 10.30	Coffee break			
10.30 - 12.30	<p><b>RFID in Logistics and Supply Chains</b>  <i>George Huang</i></p> <p><i>Bengoud K., Benmoussa R., Pernelle P.</i>            Toward a services oriented methodology for audit support and integration of PLM systems  <i>Hadj Khalifa I., El Kamel A., Barfety B.</i>            Supply chain design for the conception of a real time intelligent navigation system inside hypermarkets  <i>Doden N., Ehrhardt I., Wäsche M., Kutzler T.</i>            Potentials for Savings by Implementing RFID and Telematic Technologies in the Timber Supply Chain</p>	<p><b>ERP systems and supply chain</b>  <i>Robert Pellerin</i></p> <p><i>Pellerin R., Hajji A., Gharbi A.</i>            Integration of production and replenishment execution strategy in ERP systems  <i>Naciri M., Benmoussa R.</i>            Intelligent platform for the deployment of the process approach in supply chain  <i>Tambo T.</i>            Automated business processes in outbound logistics: an information system perspective  <i>Mamoghli S., Botta-Genoulaz V., Goepp V.</i>            An algorithm for the identification of ERP systems misalignment</p>	<p><b>Sourcing and suppliers selection</b>  <i>Cecilia Temponi</i></p> <p><i>Hammami R., Frein Y., Hadj-Alouane A. B.</i>            International supplier selection: Literature review and modeling guidelines  <i>Temponi C., Lindstrom M.</i>            Strategic sourcing and supplier performance management - Drivers for corporate competitive advantage  <i>Koch C., Tambo T.</i>            Strategic change in Construction Contractor's purchasing organisation and supplier relations  <i>Yuan S., L.K.Chu, Luo H., Huang W., Ni J.</i>            A portfolio approach to hedge procurement risks under uncertainty</p>	<p><b>Maintenance management</b>  <i>Florence Pirard</i></p> <p><i>Dhouib K., Gharbi A., Belghagi M.</i>            Integrated Simulation Model for Joint Optimal Preventive Maintenance and Economic Spare Provisioning Policy  <i>Zaied R. A., Nawara G., Abdel-Salam M.</i>            Neural Management Maintenance System Integrated into Manufacturing Systems</p> <p><b>The logistics of waste management</b>  <i>Wout Dullaert</i></p> <p><i>Inghels D., Dullaert W., Verbist B., Heuts R.</i>            Sustainable use of biomass waste flows in Flanders  <i>Bouzembrak Y., Allaoui H., Goncalves G., Masson E., Bouchriha H., Baklouti M.</i>            A multimodal supply chain design for recycling fluvial sediments</p>
12.30 - 14.00	Lunch			
14.00 - 15.30	<p><b>RFID in Logistics and Supply Chains</b>  <i>George Q. Huang</i></p> <p><i>Wu Sou-shan, M-Y. Cheng, Y-S Lin, T-Y. Hsiao</i>            Designing and developing a resource logic strategy - integrating dynamic and IC perspectives</p>	<p><b>Hospital operations management</b>  <i>Christine Di Martinelly</i></p> <p><i>El Azami I., Cherkaoui M.M.O., Tahon C.</i>            Healthcare data exchanges: Towards an XML-based normalization  <i>Guinet A., Botta-Genoulaz V.</i></p>	<p><b>Transportation and vehicle routing</b>  <i>Nikolay Tchernev</i></p> <p><i>Haj-Rachid M., Ramdane-Cherif W., Chatonnay P., Bloch C.</i>            A study of performance on crossover and mutation operators for vehicle</p>	<p><b>Supply Chain design</b>  <i>Madalena Araujo</i></p> <p><i>Pinho T., Telhada J., Carvalho M.</i>            Conceptual Model of the Construction Logistics Network - Case Study  <i>Vik P., Dias L., Pereira G., Oliveira J.</i>            Improving Production and Internal</p>

	<p><b>Willems P., Macharis C., Pinjala S.K., Waeyenbergh G., Hippler M.</b> Managing total asset visibility using ICT for an optimised and more sustainable supply chain performance</p> <p><b>Fang M.J., Huang G., Zhang Y.F.</b> RFID-Enabled complex event processing application framework on manufacturing</p>	<p>From manufacturing to health care</p> <p><b>Lebon C., Bertrand E., Cohen T.</b> Making safer the circuit of orthopedic ancillaries at Ambroise Paré University Hospital Center</p>	<p>routing problem</p> <p><b>Mar-Ortiz J., Adenso-Díaz B., González-Velarde J.L.</b> Vehicle Routing in WEEE Reverse Logistics</p> <p><b>Pinto Ferreira R., Sassi R.J.</b> A proposal for dynamic routing of vehicles in the city of Sao Paulo using intelligent routing</p>	<p>Logistics Systems - An Integrated Approach Using CAD and Simulation</p> <p><b>Hosseini S., Farahani R.Z., Dullaert W., Raa B.</b></p> <p>A robust optimization model for production-distribution network design under uncertainty</p>
15.30 - 16.00	Coffee break			
16.00 - 18.00	<p><b>Sharing resources to make the supply chain more efficient</b></p> <p><b>Philippe Chevalier</b></p> <p><b>Lange J.-C., Tancrez J.S., Semal P., Strack G., Evrard K.</b> Should reusable items be accumulated in regional depots?</p> <p><b>Mlinar T., Lamas A., Chevalier P.</b> A revenue management approach for shared production systems</p> <p><b>Vandaele N., Perdu L.</b> The Stochastic Lot Sizing Problem from a Financial Perspective</p>	<p><b>Food Chain management and organization</b></p> <p><b>Vincent Hovelaque</b></p> <p><b>Pan S., Ballot E., Fontane F.</b> Environmental and economic challenges regarding the pooling of the supply chains of small businesses: a look at the food industry in Western France</p> <p><b>Hammoudi H., N'Guyen H., Soler L.G., Hovelaque V.</b> Monitoring admixture and contamination risks in the food chains</p> <p><b>Hollingsworth A.</b> Rising global prices: impact on the food supply chain</p> <p><b>Tamayo S., Monteiro T., Sauer N.</b> Sanitary risk detection for a safer food chain management</p>	<p><b>Transportation and vehicle routing</b></p> <p><b>Maria Carvalho</b></p> <p><b>Chardy M., Klopfenstein O.</b> Handling uncertainties in vehicle routing problems through data preprocessing</p> <p><b>Dabia S., Van Woensel T., De Kok T.</b> A Dynamic Programming Approach to Multi-Objective Time-Dependent Capacitated Single Vehicle Routing Problems with Time Windows</p> <p><b>Transportation and distribution management</b></p> <p><b>Maria Carvalho</b></p> <p><b>Zouaoui B., Jemai J., El Kamel A., Mellouli K.</b> Maritime transport logistic chain modelling: the Tunisian navigation company case</p> <p><b>Malhéné N., Breuil D.</b> Conceptualization of the evolution process of Urban Freight Transport</p>	<p><b>Supply Chain Management under uncertainty</b></p> <p><b>Mustapha Nour El Fath</b></p> <p><b>Boulaksil Y., Fransoo J.C., Tan T.</b> Capacity reservation and utilization for a manufacturer with uncertain capacity and demand</p> <p><b>Bouchard M., Ouhimmou M., Nourelfath M.</b> Robust network design under demand uncertainty</p> <p><b>Ouhimmou M., Fortin M., Maily D., D'Amours S., Raulier F.</b> A robust programming approach for determining optimal timber harvest level under uncertainty</p> <p><b>Nechval N. A., Nechval K. N., Purgailis M., Berzins G., Danovics V.,</b> Prediction model selection and spare parts ordering policy for efficient support of equipment maintenance under uncertainty</p>
19.15	Gala dinner			

**Friday, April 16 - 2010**

9.30 - 10.15	<p align="center"><b>Plenary session: <i>When the supply chain gets greener!</i></b>                  Pr. <b>Sophie D'Amours</b>                  Chair: Pr. Valérie Botta-Genoulaz</p>			
10.15 - 11.00	<p align="center"><b>Plenary session: <i>Contemporary Defense Supply Chain Challenges</i></b>                  Pr. <b>Keenan D. Yoho</b>                  Chairman: Pr. Nikolay Tchernev</p>			
11.00 - 11.30	<p align="center"><b>Best paper of the student competition - Professor Salah E. Elmaghraby's award</b>                  Chair: Pr. <b>Cecilia Temponi</b></p>			
12.00 - 14.00	Lunch			
14.00 - 15.30	<p align="center"><b>Handling systems and Warehouse management</b>  <b>Guilherme Pereira</b></p> <p><b>Geraldes C., Carvalho S., Pereira G.</b>                  Operational Research models in warehouse design and planning  <b>Henn S.</b>                  Algorithms for On-line Order-Picking Warehouse  <b>Tarau A.N., De Schutter B., Hellendoorn J.</b>                  DCV route control in baggage handling systems using a hierarchical control architecture and mixed integer linear programming</p>	<p align="center"><b>Hospital operations management</b>  <b>Alain Guinet</b></p> <p><b>Roland B., Riane F.</b>                  When OR techniques help Ors management  <b>Pradenas L., Vidal F.</b>                  Solution algorithm for a surgery scheduling and surgeon assignment problem in a Public Hospital  <b>Huet J-C., Kouiss K., Paris J-L., Gourgand M.</b>                  Modeling of the interaction between medication-use process and hospital information system</p>	<p align="center"><b>Supply Chain Management under uncertainty</b>  <b>Mustapha Nour El Fath</b></p> <p><b>Liberatore F., Scaparra M.P.</b>                  Models of optimization under uncertainty for reducing logistic systems vulnerabilities  <b>Kazemi Zanjani, Nourelfath M., Ait-Kadi D.</b>                  A scenario updating heuristic for a mixed-integer production planning model with random yield and demand  <b>Martel A., Benmoussa A., Ezzedine I., Klibi W., Berger J., Boukhtouta A., Chouinard M., Girard S., Kettani O.</b>                  Military Missions Scenario Generation for the Design of Logistics Support Networks</p>	
15.30 - 16.00	Coffee break			
16.00 - 18.00	<p align="center"><b>Sustainable Supply Chain</b>  <b>Eric Ballot</b></p> <p><b>Sawadogo M., Anciaux D.</b>                  Reducing the environmental impacts of intermodal transportation: a multi-criteria analysis based on ELECTRE and AHP methods  <b>Chaabane A., Ramudhin A., Paquet M.</b></p>	<p align="center"><b>Green supply chain management</b>  <b>Wassila Mtalaa</b></p> <p><b>Camisullis C., Giard V., Mendy-Bilek G.</b>                  The causes and determination of safety stocks in the upstream supply chains dedicated for mass production of customized products  <b>Camisullis C., Giard V., Mendy-Bilek G.</b></p>	<p align="center"><b>Integrated Distribution Logistics and Supply Networks Coordination</b>  <b>Birger Raa</b></p> <p><b>Raa B., Dullaert W.</b>                  The value of flexibility in aggregate production-distribution planning  <b>Sitompul C., Aghezzaf E.-H</b>                  A robust supply chain planning: an</p>	<p align="center"><b>Inventory management and supply chain</b>  <b>James Rappold</b></p> <p><b>Rappold J. A., Yoho K. D.</b>                  Customer Service, Lost Sales, and Inventory Consequences of Offshoring Supply  <b>Tlili M., Moalla M., Bahroun Z.,</b></p>

	<p>Design of sustainable supply chains under the emission trading scheme  <b>Morana J., Gonzales-Feliu J.</b></p> <p>Sustainable supply Chain Management in city logistics solutions: the experience's learnings from Cityporto Padua (Italy)  <b>Chardine-Baumann E., Botta-Genoulaz V.</b></p> <p>A multi-criteria decision-making approach for selecting supply chain management practices according to sustainable development issues</p>	<p>The information to share in upstream supply chains dedicated to mass production of customized products for allowing a decentralized management  <b>Santa-Eulalia L.A., Araujo J.B., Kettani O., Franciosi L.A., Azevedo R.C., Bremer C.F.</b></p> <p>An essay on green supply chain design and dynamic alignment  <b>Sturm N.W.M., Kolfschoten G.L., Verbraeck A., Sol H.G.</b></p> <p>Anchoring expertise in the logistic planning process: a design science study</p>	<p>integrated hierarchical approach  <b>Jebali A., Arfaoui J.</b></p> <p>An integrated model for the inventory routing problem in textile-apparel distribution network  <b>Ballot E., Segrestin B.</b></p> <p>A model of customer indecision to explain the supply chain of car retailing</p>	<p><b>Campagne J-P.</b></p> <p>The transshipment problem in a multi-echelon inventory system with lost sales  <b>de Kok T., Kohler-Gudum C.</b></p> <p>A safety stock adjustment procedure to enable target service levels in simulation of generic inventory systems  <b>Rappold J. A., Yoho K. D.</b></p> <p>Optimal Safety Stock Levels for Stable Production Cycles in the Process Industries</p>
19.15	<b>Dinner</b>			

**Saturday, April 17 - 2010**  
**Visit of El Jadida**  
**See the social program**