The fourth edition (LOGISTIQUA 2011) of the international conference on logistics will be held, under IEEE standards, in Hammamet, Tunisia. Hammamet is one of the pearls of Tunisian eastern coasts famous for its traditional and modern wealth.

LOGISTIQUA 2011 will cover various fields of logistics and supply chain management, Research topics, applications, and case studies LOGISTIQUA 2011 is technically co-sponsored by the IEEE Industry Applications Tunisia Chapter, IEEE Robotics and Automation Tunisia Chapter, IEEE Aerospace and Electronic Systems Tunisia Chapter, IEEE Systems, man, and cybernetics Tunisia Chapter.

LOGISTIQUA 2011 is organized by the National School of Engineers of Sfax (ENIS), Sfax - Tunisia (http://www.enis.rnu.tn/), REGIM (www.regim.org), LOGIO & GIAD (http://www.logio-giad.org), ASSRIT (Scientific Association for the Support of Research and Technological Innovation), IEEE ENIS Student Branch and co-organized by University Mohamed Ben Abdallah of Fes.

LOGISTIQUA 2011 is supported by CEMUR (Cooperation Europe Maghreb des Universités en Réseau)

LOGISTIQUA 2011 conference series aims to bring together researchers and practitioners to discuss issues, challenges and future directions, share their R&D findings and experiences in the following areas:

**Logistics & Supply Chain Management (LSCM)**
- **Chairs:** Hugues Mollet (FR) & Gilles Neubert (FR)
  - Logistics Planning; Freight Forwarding and Customs Clearance; Venue Logistics Management; Warehouse and Distribution; Transportation Management Systems; Reverse Logistics; Logistics Visibility and Control; Procurement; Supply Chain Collaboration; Supply Chain Process; Logistic Network, etc.
- **Information & Communications Technology and Systems (ICTS)**
  - **Chairs:** Cyril Bertel (FR) & Aziz Bouras (FR)
  - ICTS Services Design and Management; ICTS Services Standards, Locating, Composition and Bundling; Process Modeling, Augmentation, and Automation; Real Time Identification & Tracking; Pervasive and Ubiquitous Computing in Logistics; Decision Support Systems; Software Agent Based Systems; RFID; Data Warehousing and DataWeb Mining; Business Intelligence; Systems Interoperability and Integration; Information Security; IT Project Management; Information Management in Construction Project, etc.
- **Engineering, Operations & Innovations (EOI)**
  - **Chairs:** Hakim Artiba (FR) & Mohamed Abid (TN)
  - Service Planning and Design; Service Process Engineering; Expedited Services and Extreme Logistics; Healthcare Systems; Financial Services; Retail and Services Management; Quality and Customer Satisfaction; Metrics and Benchmarks; Security & Safety-Related Services and Management; Contingency Planning; Production Engineering; Intelligent Traffic; Engineering Consulting, etc.
- **Intelligent Transportation Systems (ITS)**
  - **Chairs:** Said Hayat (FR) & Mongi Kherallah (TN)
  - Status and Development Trend of ITS; Next Generation Communication Network and Intelligent Transportation; Transportation Data Collection and Processing; Traffic Signal Control Technology; Vehicle Routing & Scheduling; Road Traffic Engineering; Transportation Planning and System Optimization; Public Transportation System; Intelligence Theory and its Application; Optimization of The Port; Monitoring and Evaluation of Road Safety Situation; Traffic Analysis, Simulation and Forecasting; Traffic Flow; Models with Applications Spatial-Temporal Traffic Pattern Recognition; Location Based Services and Mobile Applications, etc.

**Modeling and Simulation in Logistics & Supply Chains (MSLSC)**
- **Chairs:** Fouded Riane (BG) & Mourad Abdel (FR)
  - Production and Material Flows; Logistics Process Control; Batch Tracking and Tracking; Reverse Logistics & Facility Planning; Warehouse-Transport Interfaces; Supply Chain Design, Optimization and Operation; Revenue Management and Enhancement; Respecting to and Reducing Supply Chain Performance Variance; Management and Amelioration of Uncertainty; Analysis of Sourcing and Pricing Decisions; Achievement of Lean Logistics within Supply Chains, etc.

**Optimization and Logistics Challenges (OLC)**
- **Chairs:** Adénèe Yacine (FR) & Taylir Lokou (TN)
  - Supply Chain and Logistics Challenges in the Enterprise; Supply Chain Optimization; Planning and Scheduling; Advances in Optimization Models; Algorithms & Platforms; Inventory Management; Enterprise-Wide Optimization; Transportation, Logistics & Distribution Networks; Inventory Management; Process Operations and Scheduling, etc.

**Aerospace - Logistics (AE-LO)**
- **Chairs:** Alim Rustem Aslan (TR) & Ali Garsallah (TN)
  - Aerospace Industry; Spares Support; Maintenance; Space Technologies for Peace and Security; Earth Observation; Development of Space Vehicles; Small Satellites, New Systems for Various Spacecraft Functions Including Attitude Determination and Control, Power Management, Remote Sensing, etc. New Space Communication Technologies; Space Law; Benefits Of Information Available From Space (Social, Educational And Others), etc.

**Robotics - Logisits (RO-LG)**
- **Chairs:** Elbacha Abdelhedi (MA) & Hanène Boochariha (TN)
  - Challenges for Automation of Logistic Processes; Applications of Industrial Robot Technologies; Unloading/Loading of Goods; Palletizing/Depalletizing of Goods; Multi-Axis Robot Arms; Supply Chain Management; Handling of Deformable Pieces Goods; Robotic Distribution System; Maximization of The up-Time and the Productivity; Industrial Requirements; Random Access to all Locations In The Warehouse; Simultaneous Picking and Putaway; Collaborative Manufacturing; Intelligent Production Memory used in Logistic Chains, etc.
Organizing Committee

General co-Chairs

Adel M. Alimi  
Research Group on Intelligent Machines (REGIM)  
University of Sfax – Tunisia  
adel.alimi@ieee.org

Abdellatif Benabdellahf  
Centre d’Etude et de Recherche en économie et gestion (CERENE)  
University of Le Havre – France  
abenabdellahf@gmail.com

Habib Chabchoub  
Industrial Management and Decision Support (GIAD)  
University of Sfax – Tunisia  
habib.chabchoub@fsegs.rnu.tn

Conference Chair

Mounir Benaissa  
Research Group on Intelligent Machines (REGIM)  
University of Sfax – Tunisia  
benaissamounir@yahoo.fr

Program co-Chairs

Fouad Jawah  
Mechanical and Maintenance Laboratory  
University Sidi Mohamed Ben Abdellah, Morocco  
jawaf@yahoo.fr

Mounir Ben Ayed  
Research Group on Intelligent Machines (REGIM)  
University of Sfax – Tunisia  
mounir.benayed@ieee.org

Adnan Yassine  
LMAH, University of Le Havre – France  
adnan.yassine@univ-lehavre.fr
Organizing Chairs

Chokri Doghri
Groupe Chimique Tunisien (GCT) – Tunisia
doghri.chokri@gct.com.tn

Imed Ghodhbani
National Olive Oil Office (ONH) – Tunisia
ghodhbani_imed@yahoo.fr

Local Arrangement Chair

Mohamed Turki
University of Sfax – Tunisia
mohamed.turki@gmail.com

Financial Chair

Habib Kallel
KBH audit & conseil – Tunisia
habib.kallel@kbh-tunisia.com

Sponsorship & Industry Chair

Abdelkarim Ghattasi
Thyna Petroleum Services (TPS) – Tunisia
aghattassi@gmail.com

Publicity and Dissemination Chair

Mahdi Khemakhem
University of Gabes – Tunisia
mahdi.khemakhem@gmail.com
Registration Chair

Imen Charfeddine
University of Sfax – Tunisia
imen.char@gmail.com

Publication Chair

Habib M. Kammoun
University of Gafsa – Tunisia
habib.kammoun@ieee.org

Web and Electronic Media Chair

Ali Wali
University of Kairouan – Tunisia
ali.wali@ieee.org
TPC Members

Hicham Abbad (LEMNA – Nantes, France)  
Chokri Abdelmoula (University of Sfax, Tunisia)  
Majed Abdouli (University of Sfax, Tunisia)  
Mourad Abed (University of Valenciennes, France)  
Mohamed Abid (University of Sfax Tunisia)  
Zied Achour (University of Tunis, Tunisia)  
Blandine Ageron (Univ. of Grenoble II, France)  
Mohamed Salah Aguir (University of Tunis, Tunisia)  
D. Ait Kadi (Université Laval, Canada)  
Abdellah Aitouhaman (ENSA Marrakech, Morocco)  
Driss Amegouz (ENSA Fès, Morocco)  
Abdelaziz Amirat (University of Annaba, Algeria)  
AbdelhakimArtiba (Univ. of Valenciennes, France)  
K. Ben Othman (University of Gafsa, Tunisia)  
A. Benabdelhaifd (University of Havre (France)  
Youssef Benadada (ENSIAS – Rabat, Morocco)  
Mounir Benaiissa (University of Sfax, Tunisia)  
Chokri Benamar (University of Sfax, Tunisia)  
Amina Benbernou (Univ. of Mostaghanem, Algeria)  
Abelaziz Bendou (ENSA Agadir, Morocco)  
Sabri Bendriss (University of Le Havre, France)  
Senouci Benmansour (Univ. of Le Havre, France)  
Rachid Benmoussa (ENSA, Marrakech, Morocco)  
Bahloul Bensassi (Univ. AinChock Casablanca, Morocco)  
Cyrille Bertelle (University of Le Havre, France)  
V. Botta-Genoulaz (INSA of Lyon (France)  
Hanène Bouchiha (University of Tunis, Tunisia)  
Mohamed Salah Bouahlib (University of Mentouri, Algeria)  
Aziz Bouras (University of Lyon, France)  
M. Boussaada (University of Gabès, Tunisia)  
Abellatif Bouzidi (University of Tunis, Tunisia)  
Rafik Brahimi (ISITCom, Tunisia)  
L. Brotcorne (INRIA Lille, France)  
J. Carlier (UTC, France)  
Habib Chabchoub (University of Sfax, Tunisia)  
A. Chelbi (ESST de Tunis, Tunisia)  
Slim Choura (University of Sfax, Tunisia)  
C. Chu (Ecole Centrale de Paris, France)  
F. Chu (University of Evry, France)  
Maurice Clerc (http://mauriceclerc.net, France)  
P. Dehombreux (University of Mons, Belgium)  
C. Delvosalle (University of Mons, Belgium)  
Nabil Derbel (University of Sfax, Tunisia)  
Ridha Derrouiche (ESC Saint-Etienne, France)  
Souhail Dhoub (University of Gafsa, Tunisia)  
Moussa Djaif (University of Tizi-Ouzou, Algeria)  
A. Dolgui (Ecole Mines Saint Etienne, France)  
Bruno Durand (LEMNA – Nantes, France)  
Abdellatif Eddakir (EST Fès, Morocco)  
Said El Fezazi (EST Safi, Morocco)  
L. El Hiki (University of Mons, Belgium)  
Abderrazak El Hiri (FSJES – Fès, Morocco)  
Mustapha El khayat (AMLOG - Morocco)  
M. El Koursi (INRETS Lille, France)  
Mohamed El Makhfouk (EST Fès, Morocco)  
A. El Moudni (UTBM, France)  
Sabeur Elkousant (University of Mahdia, Tunisia)  
S. Elmaghrraby (North Carolina State Univ., USA)  
Meriem Ennigrou (University of Tunis, Tunisia)  
HoucineEzzedine (University of Valenciennes, France)  
Mourad Fakhfakh (University of Sfax, Tunisia)  
Besma Fayech (University of Tunis, Tunisia)  
M. Florian (Polytechnique Montréal, Canada)  
J. M. Framinan (University of Seville, Spain)  
Ahmed Friha (University of Sfax, Tunisia)  
M. Gendreau (CIRRELT, Canada)  
KhaledGhadir (ISG Tunis, Tunisia)  
A. Gharbi (ETSMTL, Canada)  
S. Glaser (IFSTTAR, France)  
G. Goncales (University of Artois, France)  
M. Gourgand (LIMOS, France)  
J. Grabara (Czestochowa Univ. of Technology, Poland)
B. Grabot (ENI Tarbes, France)
Wafik Hachicha (University of Sfax, Tunisia)
Hatem Hadda (University of Tunis, Tunisia)
A. Hadji Ouane (ENIT, Tunisia)
S. Hajri Gabouj (ENIB, Tunisia)
Hicham MohamedHamri (ENCG Agadir, Morocco)
Lotfi Hamrouni (University of Sousse, Tunisia)
Riad Hamza (University of Sfax, Tunisia)
Said Hanafi (University of Valenciennes, France)
J. Hanq (University of Mons, Belgium)
Slim Harbi (University of Tunis, Tunisia)
Said Hayat (INRTS, France)
Fahmi Hmida (University of Tunis, Tunisia)
Farida Hobar (University of Constantine, Algeria)
Abdallah Houssaini (FSJES Fès, Morocco)
Abdelmaji Ibrissoul (FSJES, Mohammadia, Morocco)
A. Jamali (ESITH, Morocco)
Fouad Jawab (EST - Fès, Morocco)
A. Kalboussi (ISTL, Tunisia)
Mahdi Khemakem (University of Gabes, Tunisia)
Petia Koleva (PARIS 7, France)
ChristopheKolski (Univ. Valenciennes, France)
Mekki Ksouri (University of Tunis, Tunisia)
Claude Laureau (Ecole des Mines Paris, France)
S. Lecomte (University of Valenciennes, France)
Mokhtar Loukil (University of Sfax, Tunisia)
Taycir Loukil (University of Sfax, Tunisia)
Mondher Maddouri (University of Gafsa, Tunisia)
Peter Magyar (Hella KGaA Hueck&Co., Germany)
Mohamed Mahjoub Dhiaf (University of Sfax, Tunisia)
S. Mammar (Univ. of Evry Val d’Essonne, France)
Abdelkah Marghich (FSJES – Fès, Morocco)
Mohamed Amine M’barki (ENCG Tanger, Morocco)
Hassen Mekki (University of Sousse, Tunisia)
Sophie Michel (University of Le Havre, France)
Ahmed Mir (ENSA Agadir, Morocco)
Nejib Moalla (Lumière Univ. of Lyon 2, France)
Hugues Mollet (RFGI, France)
Nicolas Monmarché (University of Tours, France)
A. Moukrim (UTC, France)
N. Najid (IRCCYN Nantes, France)
Gilles Neubert (ESC Saint-Etienne, France)
S. Niar (University of Valenciennes, France)
Guler Nil (Technical Univ. of Istanbul, Turkey)
Joanna Nowakowska-Grunt (Czestochowa University of Technology, Poland)
Fatima Ouazzani Chahdi (Univ. Rabat, Morocco)
J. Ouenniche (Univ. of Edinburgh, United Kingdom)
H. Pierreval (LIMOS, France)
Anna Piwonska (Bialystok Technical Univ., Poland)
A. Quiot (LIMOS, France)
Mehdi Radhoui (University of Tunis, Tunisia)
Edouard Reppert (University of Le Havre, France)
N. Rezg (University of Metz, France)
A. Rivencq (University of Valenciennes, France)
G. Savard (Ecole Polytechnique de Montréal, Canada)
A. Seffah (University of Lausanne, Switzerland)
F. Semet (Ecole Centrale Lille, France)
Marie-Pascale Senkel (IUT de Saint-nazaire – France)
M. Starostka-Patyk (Czestochowa Univ. of Technology, Poland)
Christian Tahon (Univ. Valenciennes, France)
Abdennebi Talbi (EST – Fès, Morocco)
E. Talbi (INRIA Lille, France)
N. Tchenev (University of Auvergne, France)
D. Trentsaux (University of Valenciennes, France)
Deniz Türsel Eliyi (Izmir Univ. of Economics, Turkey)
F. Yalaou (UTT, France)
Adnan Yassine (University of Le Havre, France)
Ouafae Zerouali (ENCG, Agadir, Morocco)
### Tuesday, May 31, 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Title</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>8h00 - 9h00</td>
<td>Registration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9h00 - 10h00</td>
<td>Opening Remarks</td>
<td>Refaat Chaabouni, Minister of Higher Education and Scientific Research</td>
<td>Hamed Bendhia, President of University of Sfax</td>
<td>Mohammed Marzak, President of CEMUR</td>
</tr>
<tr>
<td>10h00-11h00</td>
<td>Keynote #1</td>
<td>Yves Ravalard (University of Valenciennes, France)</td>
<td>Transport Policy Research, The pole of competitiveness I-Trans</td>
<td>Abdelhakim Artiba, Mourad Abed</td>
</tr>
<tr>
<td>11h00-11h30</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11h30 - 12h30</td>
<td>Keynote #2</td>
<td>Hugues Molet (Mines ParisTech Graduate School, France)</td>
<td>Mutations in the management and logistics during the past 20 years</td>
<td>Habib Chabchoub &amp; Abdelhakim Artiba</td>
</tr>
<tr>
<td>12h30 - 14h00</td>
<td>Lunch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14h00 - 15h00</td>
<td>Keynote #3</td>
<td>Camille Galap (University of Le Havre, France)</td>
<td>Nov@log: The pole of competitiveness in Logistics</td>
<td>Hamed Bendhia &amp; Abdellatif Benabdellahid</td>
</tr>
<tr>
<td>15h00 - 16h40</td>
<td>Intelligent Transport System</td>
<td>Claude Lorgeau &amp; Mohammed Marzak</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marine Fleet Allocation Using Data Mining</td>
<td>Mohamed Haykal Ammar, Samir Ben Hafssia, Youssef Masmoudi, Habib Chabchoub</td>
<td>Multicriteria method for a site selection of a new hospital in Sfax</td>
<td>Wissem Ennouri, Ahmed Frikha, Mounir Benaissa</td>
</tr>
<tr>
<td></td>
<td>Techniques</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Regulated Monopolies Frontier and Cost</td>
<td>Rafaa Mraili</td>
<td>On the performance of artificial ant colony to solve the dynamic</td>
<td>Jalel Euchi, Yassine Adnan, Habib Chabchoub</td>
</tr>
<tr>
<td></td>
<td>Efficiency of Tunisian Public Transport</td>
<td></td>
<td>vehicle routing problem</td>
<td></td>
</tr>
<tr>
<td>15h20</td>
<td>An urban traffic controller for signposted</td>
<td></td>
<td>New modelling and exact method for aircraft arrival sequence</td>
<td></td>
</tr>
<tr>
<td></td>
<td>road-rail intersections</td>
<td></td>
<td>and scheduling</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td>Presenters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16h00</td>
<td>Integration of communication systems for a railroad smart wagon</td>
<td>Sabeur Elkosantini, Salima Mnif, Habib Chabchoub</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A 0-1 Linear Programming Formulation for the Berth Assignment Problem</td>
<td>Ihsen Farah, Ali Kansou, Adnan Yassine, Thierry Galinho</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16h20</td>
<td>A Multi-level Graph Coloring Approach for the Bus Driver's Timetables: A Real Case Study of the Public Transport of Sfax</td>
<td>Joffrey Clarhaut, Said Hayat, Hamza Tahiri</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scheduling of Lifting Vehicles with Time Windows in an Automated Port Container Terminal</td>
<td>Ihsen Farah, Adnan Yassine, Ali Kansou, Thierry Galinho</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16h40</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17h00</td>
<td>Optimization and Logistics Challenges</td>
<td>Logistics &amp; Supply Chain Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chairs: Adnan Yassine &amp; Ahmed Frikha</td>
<td>Chairs: Hugues Molet &amp; Mohamed Mahjoub Dhiaf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17h10</td>
<td>Remanufacturing Planning With Imprecise Quality Inputs through the Goal Programming and the Satisfaction Functions</td>
<td>Mouna Mezghani, Taicir Loukil</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Logistics collaboration in the pharmaceutical sector in Morocco: What information to share? Study of the relation Laboratory - Distributor</td>
<td>Younes Mounir, Ouafae Zerouli Ouariti</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17h30</td>
<td>Quadratic Fractional Programming problem with integer variables</td>
<td>Sterilization, good service key to patient support Analysis and Issues</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A Multi Start Adaptive Variable Neighborhood Search Metaheuristic for the Aircraft Landing Problem</td>
<td>Nacera Maachou, Mustapha Moulai</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17h50</td>
<td>A Combined AHP-GP model for nurse</td>
<td>Three-Dimensional Bin Packing Problem with variable bin length</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jihene Jlassi, Abederrahman El Mhamedi, Habib Chabchoub</td>
<td>Application in industrial storage problem</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18h10</td>
<td>Vehicle Routing Problem in real case application</td>
<td>Sustainability Metrics for a Supply Chain: The Case of Small and Medium Enterprises</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Imen Abbes, Chafik Abid, Habib Chabchoub, Mohamed Mahjoub Dhiaf</td>
<td>Houda Mehri, Said Toumi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18h30</td>
<td>A production model to reduce Batch dispersion and optimize traceability</td>
<td>Renovation of a distribution network of poultry products: Application in the city of Tlemcen (Algeria)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lobna Kallel, Mounir Benaisa</td>
<td>Fethi Boudahri, Zakri Sari, Mohammed Bennekrouf</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20h00</td>
<td>Dinner</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Wednesday, June 1, 2011**

**Registration**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>8h00</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>9h00</td>
<td>Keynote #4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Speaker: Arnaud Fréville (University of Valencienne, France)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Education and Research Polities in France, Regional Council Nord-Pas-de-Calais</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chairs: Daniel Jolly, Abdelhakim Artiba</td>
<td></td>
</tr>
<tr>
<td>10h00</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>10h30</td>
<td>Optimization and Logistics Challenges</td>
<td>Logistics &amp; Supply Chain Management</td>
</tr>
<tr>
<td></td>
<td>Chairs: Adnan Yassine &amp; Mahdi Khmakem</td>
<td>Chairs: Fouad Jawab &amp; Abderrazak Elhiri</td>
</tr>
<tr>
<td>10h30</td>
<td>A Multi Start Adaptive Variable Neighborhood Search Metaheuristic for the Aircraft Landing Problem</td>
<td>Souhail Dhouib, Habib Chabchoub</td>
</tr>
<tr>
<td>10h50</td>
<td>Determination of the inventory policies parameters applied within VMI approach</td>
<td>Supply Chain Management (SCM) Approaches and planning</td>
</tr>
<tr>
<td></td>
<td>Fawsen Maalej, Habib Chabchoub</td>
<td>Zina Akkouri, Habib Chabchoub</td>
</tr>
<tr>
<td>Time</td>
<td>Topic</td>
<td>Authors/Participants</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>11h10</td>
<td>Design factors analysis for instances of Rich Vehicle Routing Problem</td>
<td>Rahma Lahyani, Mahdi khemakhem, Habib Chabchoub, Frederic Semet</td>
</tr>
<tr>
<td></td>
<td>Analysis of Inventory Management in Small Business Auto Parts</td>
<td>Nicolle da Silva, Paulo Cesar Chagas Rodrigues</td>
</tr>
<tr>
<td>11h30</td>
<td>A Bi-phase Approach for the Combined Production and Distribution Problem</td>
<td>Nejah Ben Mabrouk, Bassem Jarboui, Mansour Eddaly, Habib Chabchoub</td>
</tr>
<tr>
<td></td>
<td>Outsourcing logistics: strategic tools for decision to outsource logistic activities</td>
<td>Jabir Arif, Fouad Jawab</td>
</tr>
<tr>
<td>11h50</td>
<td>Study of a real-life Joint Raw material delivery and lot sizing problem</td>
<td>Imen Chaieb Memmi, Sondes Hammami</td>
</tr>
<tr>
<td></td>
<td>The Influence of Production Systems in Postponement Make-to-Stock Company in the Graphic Industry</td>
<td>Paulo Cesar Chagas Rodrigues, Fernando Augusto, Silva Marins, Fernando Bernardi de Souza</td>
</tr>
</tbody>
</table>

**Thursday, June 2, 2011**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Authors/Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>8h00-9h00</td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>9h00-10h00</td>
<td>Keynote #5</td>
<td>Speakers: Hakim Artiba &amp; Hamid Allaoui (University of Valenciennes &amp; University of Artois, France)</td>
</tr>
<tr>
<td></td>
<td>Recent trends in operations scheduling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chairs: Claude Laurgeau &amp; Hugues Molet</td>
<td></td>
</tr>
<tr>
<td>10h00-10h30</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>10h30-12h30</td>
<td>Modeling and Simulation in Logistics &amp; Supply Chains</td>
<td>Chairs: Gilles Neubert &amp; Ridha Derrouiche</td>
</tr>
<tr>
<td></td>
<td>State of the Art of Enterprise Modeling</td>
<td>Mouna Rahmouni, Mohamed Najeh Lakhoua</td>
</tr>
<tr>
<td></td>
<td>Improving Airline Operational Performance through Synergy between Internal and External Suppliers</td>
<td>Yudi Fernando, Mahmoud Sabri, Norizan Saad, Suhaiza Zailani</td>
</tr>
<tr>
<td>10h50</td>
<td>A comparative study of lot sizing problem in MTO supply chain based on simulation optimization approach</td>
<td>Ahmed Ammeri, Wafik Hachicha, Faouzi Masmoudi, Habib Chabchoub</td>
</tr>
<tr>
<td></td>
<td>Modeling and simulation of hospital supply chain: state of art and research perspectives</td>
<td>Imane Ibn El Furouk, Abdennebi Talbi, Fouad Jawab</td>
</tr>
<tr>
<td>11h10</td>
<td>A Neural Network-based simulation metamodel for a process parameters optimization: A case study</td>
<td>Mariam Triki, Wafik Hachicha, Habib Chabchoub</td>
</tr>
<tr>
<td></td>
<td>A Study on the Relationship between Service Supply Chain Practices with Logistics Service Effectiveness</td>
<td>Kavigtha Mohan, Suhaiza Zailani</td>
</tr>
</tbody>
</table>
| 11h30 | Optimal RSOM-hub Locations for Canadian Forces Northern Operations       | Logistiques Outsourcing Decision in the Tunisian Companies                             | Fatma Chaabouni, Mohamed Mahjoub Dhiaf
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter/Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>11h50</td>
<td>Risks Management in the Downstream Pharmaceutical Supply Chain: A study on the Teaching Hospital Habib Bourguiba Sfax</td>
<td>Hatem elleuch, Habib Chabchoub</td>
</tr>
<tr>
<td></td>
<td>Transport intensity and energy efficiency: analysis of coupling and decoupling policies implications</td>
<td>Rafaa Mraihi, Ismail Hourabi</td>
</tr>
<tr>
<td>12h30 - 14h00</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>14h00 - 15h00</td>
<td>Keynote #6</td>
<td>Speaker: Claude Laugeau (Mines ParisTech Graduate School, France)</td>
</tr>
<tr>
<td></td>
<td>New priorities for deploying safe, smart and clean road mobility</td>
<td>Chairs: Mohammed Marzak &amp; Fouad Jawab</td>
</tr>
<tr>
<td>15h00 - 17h00</td>
<td>Information &amp; Communications Technology and Systems</td>
<td>Chairs: Mourad Abed &amp; Chokri BenAmar</td>
</tr>
<tr>
<td></td>
<td>Intelligent framework for traceability of containerized goods</td>
<td>Optimal Design of Two Levels Reverse Logistic Supply Chain by Considering the Uncertain Quantity of Collected Multi-products</td>
</tr>
<tr>
<td></td>
<td>Imen Charfeddine, Mounir Benaisa, Majed Abdouli</td>
<td>Mohammed Bennekrout, Fethi Boudahri, Zaki Sari</td>
</tr>
<tr>
<td>15h20</td>
<td>Comparative study of emerging approaches for modeling flexible manufacturing systems</td>
<td>Production, supply, and traffic systems: a unified modelling using Petri Nets</td>
</tr>
<tr>
<td></td>
<td>Fatima Zohra Bouchekif, Myriam Noureddine</td>
<td>Nesrine Smata, Cherif Tolba, Dalila Boudelbous, Senouci Benmansour, Jaouad Boukachour</td>
</tr>
<tr>
<td>15h40</td>
<td>An intelligent framework for the cooperation in the extended enterprise environment</td>
<td>Predictive Performance Model in Collaborative Supply Chain Using Decision Tree and Clustering Technique</td>
</tr>
<tr>
<td></td>
<td>Erzeddine Benaisa, Abdellatif Benadelhafid, Mounir Benaisa</td>
<td>Ridha Derrouiche, Pongsak Holimchayachotikutikul, Komgrit Lekasakul</td>
</tr>
<tr>
<td>16h00</td>
<td>Enabling goods traceability through data modeling and semantic web service ontologies</td>
<td>A Framework to lead Thai SMEs to fit International Business requirement</td>
</tr>
<tr>
<td></td>
<td>Sabri Bendriss, Abdellatif Benadelhafid</td>
<td>Soontarin Nupap, Derrouiche Ridha, Nopasi Chaktikat, Pradorn Sureephong, Gilles Neubert</td>
</tr>
<tr>
<td>16h20</td>
<td>Modeling dynamic behavior of an holonic manufacturing system using Petri nets</td>
<td>A DSS Proposal in a reverse logistic environment: Healthcare activities wastes management in Tunisia</td>
</tr>
<tr>
<td></td>
<td>Fatima Zohra Bouchekif, Myriam Noureddine</td>
<td>Nihed Rebat, Mounir Benaisa, Abdellatif Benadelhafid</td>
</tr>
<tr>
<td>16h40-17h10</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>17h10</td>
<td>Profitable Vehicle Routing Problem with Multiple Trips: modeling and constructive heuristics</td>
<td>Development of a Conceptual Framework on the Impacts of Worker Behaviour to Safety Performance among Logistics Services in Malaysia</td>
</tr>
<tr>
<td></td>
<td>Ahlem Chbichib, Racem Mellouli, Habib Chabchoub</td>
<td>Huinee Auyong, Suhaiza Zailani, Lilis Suriety</td>
</tr>
<tr>
<td>17h30</td>
<td>A Variable Neighborhood Search for the Capacitated Location-Routing Problem</td>
<td>The role of Transport and Logistics to attract Foreign Direct Investment in the Developing Countries</td>
</tr>
<tr>
<td></td>
<td>Houda Derbel, Basssem Jarboui, Said Hanafi, Nenad Mladenovic, Habib Chabchoub</td>
<td>Samir Saidi, Sami Hammami</td>
</tr>
<tr>
<td>17h50</td>
<td>Metaheuristics for the multi-item capacitated lot-sizing problem with time Windows and setup times</td>
<td>Determinants of Green Technology Innovation Adoption among Transportation Companies in Malaysia</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td>Authors</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>18h10</td>
<td>A Nested Iterated Local Search Algorithm for Scheduling a Flowline</td>
<td>Radhouan Bouabda, Bassem Jarboui, Abdelwaheb Rebaï</td>
</tr>
<tr>
<td></td>
<td>Manufacturing Cell with Sequence Dependent Family Setup Times</td>
<td></td>
</tr>
<tr>
<td>20h00</td>
<td>Gala Dinner</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Friday, June 3, 2011</strong></td>
<td></td>
</tr>
<tr>
<td>9h00-10h00</td>
<td>Industrial Session</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Training and Demonstration Platforms</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RATP</td>
<td></td>
</tr>
<tr>
<td>10h00-10h30</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>10h30-11h30</td>
<td>Closing Remarks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Integrated Public Transport Development for Two Connected Urban Areas</td>
<td>Lita Sari Barus, Sigit Pranowo Hadiwardoyo, Abdellatif Ben Abdelhafid</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Paper Index

Tuesday, May 31, 2011

Intelligent Transportation Systems (ITS)
Tuesday, May 31, 3:00PM-4:40PM, Room A
Chairs: Claude Lorgeau (MINES ParisTech, France)
        Mohammed Marzak (University Cadi Ayyad, Morocco)

Marine Fleet Allocation Using Data Mining Techniques
Mohamed Haykal Ammar (LOGIQ, University of Sfax, Tunisia)
Samir Ben Hafisia (LOGIQ, University of Sfax, Tunisia)
Youssef Masmoudi (LOGIQ, University of Sfax, Tunisia)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)

Regulated Monopolies Frontier and Cost Efficiency of Tunisian Public Transport
Rafaaf Mrahi (Higher Institute of Transport and Logistics, University of Sousse, Tunisia)

An urban traffic controller for signposted road-rail intersections
Saheur Elkosantini (LOGIQ, Higher Institute of Computer Science of Mahdia, Tunisia)
Salima Mnif (LOGIQ, University of Sfax, Tunisia)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)

Integration of communication systems for a railroad smart wagon
Joffrey Clarhaut (French institute of science and technology for transport, development and networks, Lille University, France)
Said Hayat (French institute of science and technology for transport, development and networks, Lille University, France)
Hamza Tahiri (French institute of science and technology for transport, development and networks, Lille University, France)

A Multi-level Graph Coloring Approach for the Bus Driver's Timetables: A Real Case Study of the Public Transport of Sfax
Mouna Mnif (LOGIQ, University of Sfax, Tunisia)
Youssef Masmoudi (LOGIQ, University of Sfax, Tunisia)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)

Optimization and Logistics Challenges OLC - I
Tuesday, May 31, 3:00PM-4:40PM, Room B
Chairs: Taycir Loukil (University of Sfax, Tunisia)
        Souhail Dhouib (University of Sfax, Tunisia)

Multicriteria method for a site selection of a new hospital in Sfax
Wissem Ennouri (LOGIQ, University of Sfax, Tunisia)
Ahmed Frieha (LOGIQ, University of Sfax, Tunisia)
Mounir Benaiessa (REGIM, ENIS, University of Sfax, Tunisia)

On the performance of artificial ant colony to solve the dynamic vehicle routing problem
Jalel Euchi (GIAD, University of Sfax, Tunisia)
Yassine Adnan (LMAH, University of Le Havre, France)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)
New modelling and exact method for aircraft arrival sequencing and scheduling
Ihsen Farah (Laboratory of Applied Mathematics, University of Le Havre, France)
Ali Kansou (Laboratory of Applied Mathematics, University of Le Havre, France)
Adnan Yassine (Laboratory of Applied Mathematics, University of Le Havre, France)
Thierry Galinho (Computer Science, Information Processing, and Systems Laboratory, University of Le Havre, France)

A 0-1 Linear Programming Formulation for the Berth Assignment Problem
Serigne Gueye (LIA, University of Avignon, France)
Sophie Michel (LMAH, University of Le Havre, France)
Adnan Yassine (LMAH, University of Le Havre, France)

Scheduling of Lifting Vehicles with Time Windows in an Automated Port Container Terminal
Riadh Moussi (LMAH, University of Le Havre, France)
Adnan Yassine (LMAH, University of Le Havre, France)
Ali Kansou (Laboratory for Computer Science, Information Processing and Systems, University of Le Havre, France)
Thierry Galinho (Laboratory for Computer Science, Information Processing and Systems, University of Le Havre, France)

Multimodal Information I
Tuesday, May 31, 3:00PM-4:40PM, Room C
Chairs: N. Zoghla (University of Gabes, Tunisia)
Said Hayet (Lille University, France)

Towards MDA implementation based on a novel BPMN metamodel and ATL transformation rules
Imen Jaoadi (PRINCE, ISITC, University of Sousse, Tunisia)
Maha Khemaja (PRINCE, ISIGK, University of Kairouan, Tunisia)
Mourad Abed (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)

Towards a dynamic evaluation of personalized information system based on multi-agents approach: application in intelligent transport
Makram Soui (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)
Mourad Abed (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)
Christophe Kolski (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)
Khaled Ghedira (SOIE, ISG, University of Tunis, Tunisia)

Towards ergonomic guidelines integration within graphical interface controls for the evaluation of the interactive system: Application to a transport network Information Support System
Selem Charfi (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)
Abdelwaheb Trabelsi (GIAD, ISIG, University of Sfax, Tunisia)
Houcine Ezedine (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)
Christophe Kolski (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)

User modeling and web-based customization techniques: an examination of the published literature
Sami Roji (Higher institute of management, University of Gabes, Tunisia)
Makrem Souii (LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)
Logistics & Supply Chain Management LSCM - I  
Tuesday, May 31, 5:10PM-7:00PM, Room A  
Chairs: Hugues Molet (MINES ParisTech, France)  
Mohamed Mahjoub Dhiab (University of Sfax, Tunisia)

**Logistics collaboration in the pharmaceutical sector in Morocco: What information to share?**  
*Study of the relation Laboratory - Distributor*  
- Younes Mounir (ERETTLOG, National School of Business and Management of Agadir, Morocco)  
- Ouafae Zerouali Ouariti (ERETTLOG, National School of Business and Management of Agadir, Morocco)

**Sterilization, good service key to patient support Analysis and Issues**  
- Amal Zerouali Ouariti (ERETTLOG, National School of Business and Management of Agadir, Morocco)  
- Abdelaziz Bendou (Resech Laboratory Science and Management, National School of Business and Management of Agadir, Morocco)

**Outsourcing logistics: strategic tools for decision to outsource logistic activities**  
- Jabir Arif (Mechanical and Maintenance Laboratory, University Sidi Mohamed Ben Abdellah, Morocco)  
- Fouad Jawab (Mechanical and Maintenance Laboratory, University Sidi Mohamed Ben Abdellah, Morocco)

**Sustainability Metrics for a Supply Chain: The Case of Small and Medium Enterprises**  
- Houda Mehri (LOGIQ, University of Sfax, Tunisia)  
- Said Toumi (GIAD, University of Sfax, Tunisia)

**Renovation of a distribution network of poultry products: Application in the city of Tlemcen (Algeria)**  
- Fethi Boudahri (Manufacturing Engineering Laboratory, University of Tlemcen, Algeria)  
- Zaki Sari (Manufacturing Engineering Laboratory, University of Tlemcen, Algeria)  
- Mohammed Bennekrouf (Manufacturing Engineering Laboratory, University of Mascara, Algeria)

Optimization and Logistics Challenges OLC - II  
Tuesday, May 31, 5:10PM-7:00PM, Room B  
Chairs: Adnan Yassine (University of Le Havre, France)  
Mahdi Khamakhem (University of Sfax, Tunisia)

**Remanufacturing Planning With Imprecise Quality Inputs through the Goal Programming and the Satisfaction Functions**  
- Mouna Mezghani (LOGIQ, ISGI, University of Sfax, Tunisia)  
- Taieb Loukili (LOGIQ, ISGI, University of Sfax, Tunisia)

**Quadratic Fractional Programming problem with integer variables**  
- Nacer Amachou (LAID3, Faculty of Mathematics, University USTHB, Algeria)  
- Mustapha Moulaif (LAID3, Faculty of Mathematics, University USTHB, Algeria)

**A combined AHP-GP model for nurse**  
- Jihene Jiai (ISGI, University of Sfax, Tunisia)  
- Abederrahman El Mhamedi (MSGI, IUT de Montreuil, France)  
- Habib Chadchoub (GIAD, University of Sfax, Tunisia)
Vehicle Routing Problem in real case application
Imen Abbes (FSEG, University of Sfax, Tunisia)
Chafik Abid (American University in Dubai, UAE)
Habib Chachchour (GIAD, University of Sfax, Tunisia)
Mohamed Mahjoub Dhiab (Higher Institute of Industrial Management, University of Sfax, Tunisia)

A production model to reduce Batch dispersion and optimize traceability
Lobna Kallel (LOGIQ, ISGI, University of Sfax, Tunisia)
Mounir Beniassa (REGIM, ENIS, University of Sfax, Tunisia)

Intelligent Systems
Tuesday, May 31, 5:10PM-7:00PM, Room C
Chairs: Habib Chachchour (University of Sfax, Tunisia)
        Said Hayet (Lille University, France)

Multi-agent simulation model of pedestrians crowd based on psychological theories
Olfa Beltiaief (SOIE, ISG, University of Tunis, Tunisia)
Sameh El Hadouaj (SOIE, FSEG Nabeul, Tunisia)
Khaled Ghedira (SOIE, ISG, University of Tunis, Tunisia)

A new approach based on the multi-objective simulated annealing to solving the dynamic dial a ride problem
Issam Zidi (LAGIS, University of Lille 1, France)
Kamel Zidi (SOIE, ISG, University of Tunis, Tunisia)
Khaled Mesghouni (LAGIS, University of Lille 1, France)
Khaled Ghedira (SOIE, ISG, University of Tunis, Tunisia)

A multi-agent model for traffic regulation by integrating cybercars (mantric)
Inès Sghir (SOIE, ISG, University of Tunis, Tunisia)
Inès Ben Jaafar (SOIE, ISG, University of Tunis, Tunisia)
Khaled Ghedira (SOIE, ISG, University of Tunis, Tunisia)

Method for HW\|SW implementation in a reconfigurable soc: case study
Manel Hentati (CES, ENIS, University of Sfax, Tunisia)
Raida Hentati (CES, ENIS, University of Sfax, Tunisia)
Yassine Aoudini (CES, ENIS, University of Sfax, Tunisia)
Mohamed Abid (CES, ENIS, University of Sfax, Tunisia)

Wednesday, June 01, 2011

Logistics & Supply Chain Management LSCM - II
Wednesday, June 01, 10:30AM-12:30PM, Room A
Chairs: Fouad Jawab (Faculty of Technical Sciences, Morocco)
        Petia Koleva (Université Paris Diderot, France)

Supply Chain Management (SCM) Approaches and planning
Zina Akkouri (GIAD, FSEG, University of Sfax, Tunisia)
Habib Chachchour (GIAD, FSEG, University of Sfax, Tunisia)
A Risk Control Method in the Hospital Environment
Sawseen Maalej (LOGIQ, University of Sfax, Tunisia)
Habib Chabchouh (GIAD, University of Sfax, Tunisia)

Analysis of Inventory Management in Small Business Auto Parts
Nicolle da Silva Panzuto (University Do Sagrado Coração, Brazil)
Paulo Cesar Chagas Rodrigues (University Estadual Paulista, Brazil)

The Influence of Production Systems in Postponement Make-to-Stock Company in the Graphic Industry
Paulo Cesar Chagas Rodrigues (University Estadual Paulista, Brazil)
Fernando Augusto Silva Marins (University Estadual Paulista, Brazil)
Fernando Bernardi de Souza (University Estadual Paulista, Brazil)

Optimization and Logistics Challenges OLC - III
Wednesday, June 01, 10:30AM-12:30PM, Room B
Chairs: Metin Türkay (Koc University, Turkey)
Ahmed Frikha (University of Sfax, Tunisia)

A Multi Start Adaptive Variable Neighborhood Search Metaheuristic for the Aircraft Landing Problem
Souhail Dhouib (LOGIQ, University of Sfax, Tunisia)

Determination of the inventory policies parameters applied within VM1 approach
Amel Ben Mabrouk (ENIT, Tunisia)
Sondes Hammami Laroussi (ESTI, Tunisia)
Imen Chaieb Memmi (ESTI, Tunisia)

Design factors analysis for instances of Rich Vehicle Routing Problem
Rahma Lahyani (Ecole Centrale de Lille, France)
Mahdi khemakhem (LOGIQ, University of Sfax, Tunisia)
Habib Chabchouh (GIAD, University of Sfax, Tunisia)
Frederic Semet (Ecole Centrale de Lille, France)

A Bi-phase Approach for the Combined Production and Distribution Problem
Nejah Ben Mabrouk (FSEG, University of Sfax, Tunisia)
Bassem Jarboui (FSEG, University of Sfax, Tunisia)
Mansour Eddaly (FSEG, University of Sfax, Tunisia)
Habib Chabchouh (FSEG, University of Sfax, Tunisia)

Study of a real-life Joint Raw material delivery and lot sizing problem
Imen Chaieb Memmi (ESTI, Tunisia)
Sondes Hammami (ESTI, Tunisia)

Quality and Maintenance
Wednesday, June 01, 10:30AM-12:30PM, Room C
Chairs: Abdelhakim Artiba (University of Valenciennes, France)
Janusz K. Grabara (Czestochowa University of Technology, Poland)

Urban transport system in czestochowa city
Janusz K. Grabara (Faculty of Management, Czestochowa University of Technology, Poland)
Marta Starostka-Patyk (Faculty of Management, Czestochowa University of Technology, Poland)
Sebastian Kot (Faculty of Management, Czestochowa University of Technology, Poland)
Ant colony optimization for arrival sequencing and scheduling problem
Ihsen Farah (Laboratory of Applied Mathematics, University of Le Havre, France)
Ali Kansou (Laboratory of Applied Mathematics, University of Le Havre, France)
Adnan Yassine (Superior Institute for Logistics Studies, University of Le Havre, France)
Thierry Galinho (Computer Science, Information Processing, and Systems Laboratory, University of Le Havre, France)

Performance Evaluation port logistics: The case of the port Sousse
Zied Zouari (Superior Institute of Technological Studies, Mahdia, Tunisia)
Kais Khayech (Office of Merchant Marine and Ports, Sousse, Tunisia)

Overview on supplier selection of goods versus 3pl selection
Aicha Aguezzoul (LGIPM, ENIM, University of Metz, France)

Safety and Risk Management
Wednesday, June 01, 10:30AM-12:30PM, Room C
Chairs: M. El Koursi (INRETS, Lille, France)
L. El Hiki (University of Mons, Belgium)

Numerical Method to Simulate and to Analyze Time Petri Nets
Sohir Bensoussi (SOIE, University of Tunis, Tunisia)
Adel Benzina (MOSIC, Tunisia Polytechnic School, University of Carthage, Tunisia)
Mourad Abed (UVHC, LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)
Khaled Ghedira (SOIE, ISG, University of Tunis, Tunisia)

Diagnosis by the multimodel approach in the frequency domain
Asma Karoui (ACS, ENIT, Tunisia)
Moufida Ksouri (ACS, ENIT, Tunisia)

Cell transmission model and estimation schemes for mixed traffic
Samia Smaili (LMPA, Mouloud Mammeri University, Algeria)
Salim Mammar (SETRA, France)
Sadid Mammar (IBISC, University of Evry Val d’Essonne, France)

Traffic network ramp metering based on high order sliding mode and flatness approaches: a case study
Vesela dryankova (University of Artois, France)
Hassane Bouaissa (University of Artois, France)
Habib Haj-Salem (INRETS-GRETIA, France)
Daniel Jolly (University of Artois, France)

Thursday, June 02, 2011

Logistics & Supply Chain Management LSCM - III
Thursday, June 02, 10:30AM-12:30PM, Room A
Chairs: Ouafae Zerouli Ouariti (National School of Business and Management of Agadir, Morocco)
Said El Fezazi (EST Safi, Morocco)

Improving Airline Operational Performance through Synergy between Internal and External Suppliers
Yudi Fernando (School of Management, Universiti Sains Malaysia, Malaysia)
Mahmod Sabri (School of Management, Universiti Sains Malaysia, Malaysia)
Norizan Saad (School of Management, Universiti Sains Malaysia, Malaysia)
Suhaida Zailani (Graduate School of Business, Universiti Sains Malaysia, Malaysia)
Modeling and simulation of hospital supply chain: state of art and research perspectives
Imane Ibn El Farouk (LG2M, Faculty of Technical Sciences, Morocco)
Abdennebi Talbi (LG2M, Faculty of Technical Sciences, Morocco)
Foud Jawab (LG2M, Faculty of Technical Sciences, Morocco)

A Study on the Relationship between Service Supply Chain Practices with Logistics Service Effectiveness
Kavigtha Mohan (Graduate School of Business, Universiti Sains Malaysia, Malaysia)
Suhaiza Zailani (Graduate School of Business, Universiti Sains Malaysia, Malaysia)

Logistics Outsourcing Decision in the Tunisian Companies
Fatma Chaabouni (Higher Institute of Industrial Management, University of Sfax, Tunisia)
Mohamed Mahjoub Dhiaf (Higher Institute of Industrial Management, University of Sfax, Tunisia)

Transport intensity and energy efficiency: analysis of coupling and decoupling policies implications
Rafaa Mraihi (Higher Institute of Transport and Logistics, University of Sousse, Tunisia)
Ismail Hourari (Higher Institute of Industrial Management of Sfax, University of Sfax, Tunisia)

Modeling and Simulation in Logistics & Supply Chains MSLSC - I
Thursday, June 02, 10:30AM-12:30PM, Room B
Chairs: Gilles Neubert (ESC Saint-Etienne, France)
         Ridha Derrouiche (ESC Saint-Etienne, France)

State of the Art of Enterprise Modeling
Mouna Rahmouni (Laboratory of Analysis and Control of Systems (ENIT), Tunisia)
Mohamed Najeh Lakhoua (Laboratory of Analysis and Control of Systems (ENIT), Tunisia)

A comparative study of lot sizing problem in MTO supply chain based on simulation optimization approach
Ahmed Ammeri (LOGIQ, University of Sfax, Tunisia)
Wafik Hachicha (Unit of Mechanic, Modeling and Production (U2MP), ENIS, Tunisia)
Faouzi Masmoudi (Unit of Mechanic, Modeling and Production (U2MP), ENIS, Tunisia)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)

A Neural Network-based simulation metamodel for a process parameters optimization: A case study
Mariam Triki (LOGIQ, University of Sfax, Tunisia)
Wafik Hachicha (Unit of Mechanic, Modeling and Production (U2MP), ENIS, Tunisia)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)

Optimal RSOM-hub Locations for Canadian Forces Northern Operations
Ahmed Ghassemi (Centre for Operational Research and Analysis, Defence Research and Development, Canada)

Risks Management in the Downstream Pharmaceutical Supply Chain: A study on the Teaching Hospital Habib Bourguiba Sfax
Hatem Elleuch (LOGIQ, University of Sfax, Tunisia)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)
**Integrated Logistics Information Systems**  
Thursday, June 02, 10:30AM-12:30PM, Room C  
Chairs: Abdellatif Ben Abdelhafid (University of Le Havre, France)  
Aicha Aguezzoul (University of Metz, France)

**Impact of random delay on replenishment and production control strategies**  
Adene Hajji (Decision Systems & CIRRELT, Laval University, Canada)  
Ali Gharbi (Production Eng., & CIRRELT, ETS, Canada)  
Abdellakim Artiba (University of Valenciennes, France)

**Bond graph model of the physical flow transfer within a supply chain**  
Senouci Benmansour (Laboratory CERENE, University of Le Havre, France)  
Sabri Bendriess (Laboratory CERENE, University of Le Havre, France)  
Abdellatif Ben Abdelhafid (Laboratory CERENE, University of Le Havre, France)

**A multi-objective green supply chain network design**  
Yamine Bouzembrak (University of Artois, France)  
Hamid Allaoui (University of Artois, France)  
Gilles Goncalves (University of Artois, France)  
Hanen Bouchriha (ENIT, Tunisia)

**Single machine scheduling problem in a just-in-time environment**  
Rachid Benmansour (LG2A, University of Artois, France)  
Hamid Allaoui (LG2A, University of Artois, France)  
Abdellakim Artiba (LAMIH, University of Valenciennes and Hainaut-Cambrésis, France)

**Information & Communications Technology and Systems ICTS**  
Thursday, June 02, 3:00PM-5:00PM, Room A  
Chairs: Mourad Abed (University of Valenciennes and Hainaut-Cambrésis, France)  
Chokri BenAmar (University of Sfax, Tunisia)

**Intelligent framework for traceability of containerized goods**  
Imen Charfeddine (MIRACLE, FSEG, University of Sfax, Tunisia)  
Mounir Benissa (REGIM, ENIS, University of Sfax, Tunisia)  
Majed Abdouli (MIRACLE, ISIMS, University of Sfax, Tunisia)

**Comparative study of emerging approaches for modeling flexible manufacturing systems**  
Fatima Zohra Bouchekif (Faculty of Sciences, University of Sciences and Technology of Oran, Algeria)  
Myriam Noureddine (Faculty of Sciences, University of Sciences and Technology of Oran, Algeria)

**An intelligent framework for the cooperation in the extended enterprise environment**  
Ezzeddine Benaisa (CERENE, University of Le Havre, France)  
Abdellatif Ben Abdelhafid (CERENE, University of Le Havre, France)  
Mounir Benaiissa (REGIM, ENIS, University of Sfax, Tunisia)

**Enabling goods traceability through data modeling and semantic web service ontologies**  
Sabri Bendriess (CERENE, University of Le Havre, France)  
Abdellatif Ben Abdelhafid (CERENE, University of Le Havre, France)

**Modeling dynamic behavior of an holonic manufacturing system using Petri nets**  
Fatima Zohra Bouchekif (University of Sciences and Technology of Oran, Algeria)  
Myriam Noureddine (University of Sciences and Technology of Oran, Algeria)
Modeling and Simulation in Logistics & Supply Chains MSLSC - II
Thursday, June 02, 3:00PM-5:00PM, Room B
Chairs: Belgacem Rahmani (HEC Montreal, Canada)
Abderrazak El Hiri (FSJES – Fès, Morocco)

Optimal Design of Two Levels Reverse Logistic Supply Chain by Considering the Uncertain Quantity of Collected Multi-products
Mohammed Bennekrouf (Manufacturing Engineering Laboratory, University of Mascara, Algeria)
Fethi Boudahri (Manufacturing Engineering Laboratory, University of Tlemcen, Algeria)
Zaki Sari (Manufacturing Engineering Laboratory, University of Tlemcen, Algeria)

Production, supply, and traffic systems: a unified modelling using Petri Nets
Nesrine Smata (CERENE, University of Le Havre, France)
Cherif Tolba (Laboratory of Networks and Systems, University of Annaba, Algeria)
Dalila Boudebous (CERENE, University of Le Havre, France)
Senouci Benmansour (CERENE, University of Le Havre, France)
Jaouad Boukachour (CERENE, University of Le Havre, France)

Predictive Performance Model in Collaborative Supply Chain Using Decision Tree and Clustering Technique
Ridha Derrouiche (LSTI, ESC Saint-Etienne, France)
Pongsak Holimchayachotikul (Chiang Mai University, Thailand)
Komgrit Leksakul (Chiang Mai University, Thailand)

A Framework to lead Thai SMEs to fit International Business requirement
Soontarin Nupap (Chiang Mai University, Thailand)
Derrouiche Ridha (LSTI, ESC, Saint-Etienne, France)
Nopasit Chakpitak (Chiang Mai University, Thailand)
Pradorn Sureephong (Chiang Mai University, Thailand)
Gilles Neubert (LSTI, ESC, Saint-Etienne, France)

A Decision Support System Proposal in a Reverse Logistic Environment
Nihed Rebai (CERENE, University of Le Havre, France)
Mounir Benaisa (REGIM, ENIS, University of Sfax, Tunisia)
Abdelatif Benabdellatif (CERENE, University of Le Havre, France)

New Communication Technologies in Transport
Thursday, June 02, 3:00PM-5:00PM, Room C
Chairs: Said Hayet (Lille University, France)
Mounir Benaisa (REGIM, University of Sfax, Tunisia)

Analysis of UWB –OFDM system for Vehicle to Infrastructure communication
S. Kabil (UCAM FSSM, ETRI Marrakech, Morocco)
B. Ait Essaid (UCAM FSSM, ETRI Marrakech, Morocco)
A. Ait Ouahman (UCAM FSSM, ETRI Marrakech, Morocco)
R. Elasali (UCAM ENSA, TIM Marrakech, Morocco)
F. Boukour (Transport Electronics and Signal Processing Laboratory, LEOST INRETS, France)

The impact of mobility on the performance of v2x communication
Aymen Sassi (LETI, ENIS, University of Sfax, Tunisia)
Faiza Charfi (LETI, ENIS, University of Sfax, Tunisia)
Yassine El Hillali (University of Valenciennes and Hainaut Cambresis, France)
Atika Riveng (University of Valenciennes and Hainaut Cambresis, France)
Lotfi Kamoun (LETI, ENIS, University of Sfax, Tunisia)
**The capacity lane reservation problem on transportation network**
Yunfei Fang (IBISC, University of Evry-Val d’Essonne, France)
Said Mammar (IBISC, University of Evry-Val d’Essonne, France)
Feng Chu (IBISC, University of Evry-Val d’Essonne, France)
Ada Che (Northwestern Polytechnical University, China)

**Interoperability modeling methods for embedded devices in vehicles**
Marwane Ayaida (University Reims Champagne-Ardenne, France)
Haytem El Mehrz (University Reims Champagne-Ardenne, France)
Lissan Aflal (University Reims Champagne-Ardenne, France)
Hacène Fouchal (University Reims Champagne-Ardenne, France)

---

**Multimodal Information II**
*Thursday, June 02, 3:00PM-5:00PM, Room D*

Chairs: Houcine Ezzedine (University of Valenciennes and Hainaut-Cambrésis, France)
Yassin Elhili Ali (University of Valenciennes and Hainaut Cambresis, France)

**Providing personalized information in transport systems: a model driven architecture approach**
Firas Bacha (UVHC, LAMH, University of Valenciennes and Hainaut-Cambrésis, France)
Kathia Oliveira (UVHC, LAMH, University of Valenciennes and Hainaut-Cambrésis, France)
Mourad Abed (UVHC, LAMH, University of Valenciennes and Hainaut-Cambrésis, France)

**An integrated case-based reasoning and AHP method for personalized itinerary search**
Amou Bouhana (GIAD, University of Sfax, Tunisia)
Mourad Abed (UVHC, LAMH, University of Valenciennes and Hainaut-Cambrésis, France)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)

**Study of the high-speed trains positioning system: European signaling system ERTMS / ETCS**
S. Dhabbi (ESTAS, IFSTTAR, France)
A. Abbas-Turki (ST, University of Technology at Belfort and Montbéliard, France)
S. Hayat (ESTAS, IFSTTAR, France)
A. El Moudini (ST, University of Technology at Belfort and Montbéliard, France)

**Comparative analysis of microscopic models of road traffic data**
Samia Bouakher (ISTL, University of Sousse, Tunisia)
Férid Rehimi (ENIM, University of Monastir, Tunisia)
Adel Kalboussi (FSM, University of Monastir, Tunisia)

---

**Logistics & Supply Chain Management LSCM - IV**
*Thursday, June 02, 5:10PM-7:00PM, Room A*

Chairs: Abdellatif Benadelhafid (University of Le Havre, France)
Abdennabi Talbi (EST – Fès, Morocco)

**Development of a Conceptual Framework on the Impacts of Worker Behaviour to Safety Performance among Logistics Services in Malaysia**
Huinee Auyong (School of Management, Universiti Sains Malaysia, Malaysia)
Suhaiza Zailani (Graduate School of Business, Universiti Sains Malaysia, Malaysia)
Lilis Suriety (School of Management, Universiti Sains Malaysia, Malaysia)

**The role of Transport and Logistics to attract Foreign Direct Investment in the Developing Countries**
Samir Saidi (MODEVI, FSEGS, University of Sfax, Tunisia)
Sami Hammami (MODEVI, FSEGS, University of Sfax, Tunisia)
Determinants of Green Technology Innovation Adoption among Transportation Companies in Malaysia
Herina Jumadi (School of Management, University Sains Malaysia, Malaysia)
Suhaiza Zailani (Graduate School of Business, University Sains Malaysia, Malaysia)

Integrated Public Transport Development for Two Connected Urban Areas
Lita Sari Barus (Faculty of Engineering University of Indonesia, Indonesia)
Sigit Pranowo Hadiwardoyo (Faculty of Engineering University of Indonesia, Indonesia)
Abdellatif Benabdellahfif (CERENE, University of Le Havre, France)

Optimization and Logistics Challenges OLC - IV
Thursday, June 02, 5:10PM-7:00PM, Room B
Chairs: Abdelhakim Artiba (University of Valenciennes, France)
Hamid Allaoui (University of Artois, France)

Profitable Vehicle Routing Problem with Multiple Trips: modeling and constructive heuristics
Ahlem Chbichib (GIAD, FSEGS, University of Sfax, Tunisia)
Racem Mellouli (GIAD, FSEGS, University of Sfax, Tunisia)
Habib Chabchoub (GIAD, FSEGS, University of Sfax, Tunisia)

Three-Dimensional Bin Packing Problem with variable bin length Application in industrial storage problem
Salma Mezghani (LOGIQ, ISGI, University of Sfax, Tunisia)
Ahmed friha (LOGIQ, ISGI, University of Sfax, Tunisia)

A Variable Neighborhood Search for the Capacitated Location-Routing Problem
Houda Derbel (FSEGS, University of Sfax, Tunisia)
Bassem Jarboui (FSEGS, University of Sfax, Tunisia)
Said Hanafi (LAMIH, Université de Valenciennes et du Hainaut-Cambresis, France)
Nenad Mladenovic (School of Mathematics, Brunel University-West London, United Kingdom)
Habib Chabchoub (GIAD, University of Sfax, Tunisia)

Metaheuristics for the multi-item capacitated lot-sizing problem with time Windows and setup times
Ridha Erromdhani (FSEGS, University of Sfax, Tunisia)
Bassem Jarboui (FSEGS, University of Sfax, Tunisia)
Mansour Eddaly (FSEGS, University of Sfax, Tunisia)
Abdelwaheb Rebai (FSEGS, University of Sfax, Tunisia)

A Nested Iterated Local Search Algorithm for Scheduling a Flowline Manufacturing Cell with Sequence Dependent Family Setup Times
Radhouan Bouabda (FSEGS, University of Sfax, Tunisia)
Bassem Jarboui (FSEGS, University of Sfax, Tunisia)
Abdelwaheb Rebai (FSEGS, University of Sfax, Tunisia)
## Authors Index

<table>
<thead>
<tr>
<th>A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbas-Turki, A.</td>
<td>76</td>
</tr>
<tr>
<td>Abbes, Imen</td>
<td>23</td>
</tr>
<tr>
<td>Abdouli, Majed</td>
<td>60</td>
</tr>
<tr>
<td>Abed, Mourad</td>
<td>11, 12, 42, 74, 75</td>
</tr>
<tr>
<td>Abid, Chafik</td>
<td>23</td>
</tr>
<tr>
<td>Abid, Mohamed</td>
<td>28</td>
</tr>
<tr>
<td>Abouaissa, Hassane</td>
<td>45</td>
</tr>
<tr>
<td>Adnan, Yasmine</td>
<td>7</td>
</tr>
<tr>
<td>Afifal, Lissan</td>
<td>73</td>
</tr>
<tr>
<td>Aguezzoul, Aicha</td>
<td>41</td>
</tr>
<tr>
<td>Ait Essaid, B.</td>
<td>70</td>
</tr>
<tr>
<td>Ait Ouahman, A.</td>
<td>70</td>
</tr>
<tr>
<td>Akkouri, Zina</td>
<td>29</td>
</tr>
<tr>
<td>Allaoui, Hamid</td>
<td>58, 59</td>
</tr>
<tr>
<td>Ammar, Mohamed Haykal</td>
<td>1</td>
</tr>
<tr>
<td>Ammeri, Ahmed</td>
<td>52</td>
</tr>
<tr>
<td>Aoudni, Yassine</td>
<td>28</td>
</tr>
<tr>
<td>Arif, Jabir</td>
<td>17</td>
</tr>
<tr>
<td>Artiba, Abdelhakim</td>
<td>56, 59</td>
</tr>
<tr>
<td>Auyong, Huinee</td>
<td>78</td>
</tr>
<tr>
<td>Ayaida, Marwane</td>
<td>73</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacha, Firas</td>
<td>74</td>
</tr>
<tr>
<td>Barus, Lita Sari</td>
<td>81</td>
</tr>
<tr>
<td>Beltaiief, Olfa</td>
<td>25</td>
</tr>
<tr>
<td>Ben Haissia, Samir</td>
<td>1</td>
</tr>
<tr>
<td>Ben Jaafar, Inès</td>
<td>27</td>
</tr>
<tr>
<td>Ben Mabrouk, Amel</td>
<td>34</td>
</tr>
<tr>
<td>Ben Mabrouk, Nejah</td>
<td>36</td>
</tr>
<tr>
<td>Benabdellahid, Abdellatif</td>
<td>57, 62, 63, 69, 81</td>
</tr>
<tr>
<td>Benaissa, Ezzeddine</td>
<td>62</td>
</tr>
<tr>
<td>Benaissa, Mounir</td>
<td>6, 24, 60, 62, 69</td>
</tr>
<tr>
<td>Bendou, Abdelaziz</td>
<td>16</td>
</tr>
<tr>
<td>Bendriss, Sabri</td>
<td>57, 63</td>
</tr>
<tr>
<td>Benmansour, Rachid</td>
<td>59</td>
</tr>
<tr>
<td>Benmansour, Senouci</td>
<td>57, 66</td>
</tr>
<tr>
<td>Bennekrouf, Mohammed</td>
<td>19, 65</td>
</tr>
<tr>
<td>Bensouissi, Souhir</td>
<td>42</td>
</tr>
<tr>
<td>Benzina, Adel</td>
<td>42</td>
</tr>
<tr>
<td>Bouabda, Radhouan</td>
<td>86</td>
</tr>
<tr>
<td>Boubaker, Samia</td>
<td>77</td>
</tr>
<tr>
<td>Bouchekif, Fatima Zohra</td>
<td>61, 64</td>
</tr>
<tr>
<td>Bouchriha, Hanen</td>
<td>58</td>
</tr>
<tr>
<td>Boudahri, Fethi</td>
<td>19, 65</td>
</tr>
<tr>
<td>Boudebour, Dalila</td>
<td>66</td>
</tr>
<tr>
<td>Bouhana, Amna</td>
<td>75</td>
</tr>
<tr>
<td>Boukachour, Jaouad</td>
<td>66</td>
</tr>
<tr>
<td>Boukour, F.</td>
<td>70</td>
</tr>
<tr>
<td>Bouzembrak, Yamine</td>
<td>58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chaabouni, Fatma</td>
<td>49</td>
</tr>
<tr>
<td>Chabchoub, Habib</td>
<td>1, 3, 5, 7, 22, 23, 29, 30, 35, 36, 52, 53, 55, 75, 82, 84</td>
</tr>
<tr>
<td>Chaieb Memmi, Imen</td>
<td>34, 37</td>
</tr>
<tr>
<td>Chakpitak, Nopasit</td>
<td>68</td>
</tr>
<tr>
<td>Charfeddine, Imen</td>
<td>60</td>
</tr>
<tr>
<td>Charfi, Faiza</td>
<td>71</td>
</tr>
<tr>
<td>Charfi, Selem</td>
<td>13</td>
</tr>
<tr>
<td>Chbichib, Ahlem</td>
<td>82</td>
</tr>
<tr>
<td>Che, Ada</td>
<td>72</td>
</tr>
<tr>
<td>Chu, Feng</td>
<td>72</td>
</tr>
<tr>
<td>Clarhaut, Joffrey</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Derbel, Houda</td>
<td>84</td>
</tr>
<tr>
<td>Derrouiche, Ridha</td>
<td>67</td>
</tr>
<tr>
<td>Dhabhi, S.</td>
<td>76</td>
</tr>
<tr>
<td>Dhiaf, Mohamed Mahjoub</td>
<td>23, 49</td>
</tr>
<tr>
<td>Dhoubi, Souhail</td>
<td>33</td>
</tr>
<tr>
<td>Dryankova, Vesela</td>
<td>45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eddaly, Mansour</td>
<td>36, 85</td>
</tr>
<tr>
<td>El Hadouaj, Sameh</td>
<td>25</td>
</tr>
<tr>
<td>El Mehraz, Haytem</td>
<td>73</td>
</tr>
<tr>
<td>El Mhamedi</td>
<td>22</td>
</tr>
<tr>
<td>Abederrahman</td>
<td></td>
</tr>
<tr>
<td>El Moudai, A.</td>
<td>76</td>
</tr>
<tr>
<td>Elassali, R.</td>
<td>70</td>
</tr>
<tr>
<td>Name</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------</td>
<td>------</td>
</tr>
<tr>
<td>Elhillali, Yassin</td>
<td>71</td>
</tr>
<tr>
<td>Elkozantini, Sabeur</td>
<td>3</td>
</tr>
<tr>
<td>Elleuch, Hatem</td>
<td>55</td>
</tr>
<tr>
<td>Ennouri, Wissem</td>
<td>6</td>
</tr>
<tr>
<td>Erromdhani, Ridha</td>
<td>85</td>
</tr>
<tr>
<td>Euch, Jalel</td>
<td>7</td>
</tr>
<tr>
<td>Ezzedine, Hocine</td>
<td>13</td>
</tr>
</tbody>
</table>

**F**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fang, Yunfei</td>
<td>72</td>
</tr>
<tr>
<td>Farah, Ihsen</td>
<td>8, 39</td>
</tr>
<tr>
<td>Fernando, Yudi</td>
<td>46</td>
</tr>
<tr>
<td>Fouchal, Hacène</td>
<td>73</td>
</tr>
<tr>
<td>Frika, Ahmed</td>
<td>6, 83</td>
</tr>
</tbody>
</table>

**G**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galinho, Thierry</td>
<td>8, 10, 39</td>
</tr>
<tr>
<td>Ghanmi, Ahmed</td>
<td>54</td>
</tr>
<tr>
<td>Gharbi, Ali</td>
<td>56</td>
</tr>
<tr>
<td>Ghedira, Khaled</td>
<td>12, 25, 26, 27, 41</td>
</tr>
<tr>
<td>Goncalves, Gilles</td>
<td>58</td>
</tr>
<tr>
<td>Grabara, Janusz K.</td>
<td>38</td>
</tr>
<tr>
<td>Gueye, Serigne</td>
<td>9</td>
</tr>
</tbody>
</table>

**H**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hachicha, Wafik</td>
<td>52, 53</td>
</tr>
<tr>
<td>Hadiwardoyo, Sigit</td>
<td>81</td>
</tr>
<tr>
<td>Pranowo</td>
<td></td>
</tr>
<tr>
<td>Haji, Adnene</td>
<td>56</td>
</tr>
<tr>
<td>Haj-Salem, Habib</td>
<td>45</td>
</tr>
<tr>
<td>Hammami, Sami</td>
<td>79</td>
</tr>
<tr>
<td>Hammami Laroussi, Sondes</td>
<td>34, 37</td>
</tr>
<tr>
<td>Hanafi, Said</td>
<td>84</td>
</tr>
<tr>
<td>Hayat, Said</td>
<td>4, 76</td>
</tr>
<tr>
<td>Hentati, Manel</td>
<td>28</td>
</tr>
<tr>
<td>Hentati, Raida</td>
<td>28</td>
</tr>
<tr>
<td>Holimchayachtikul, Pongsak</td>
<td>67</td>
</tr>
<tr>
<td>Houarbi, Ismail</td>
<td>50</td>
</tr>
</tbody>
</table>

**I**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ibn El Farouk, Imane</td>
<td>47</td>
</tr>
</tbody>
</table>

**J**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jaouadi, Imen</td>
<td>11</td>
</tr>
<tr>
<td>Jarboui, Bassem</td>
<td>36, 84, 85, 86</td>
</tr>
</tbody>
</table>

**K**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kabil, S.</td>
<td>70</td>
</tr>
<tr>
<td>Kalboussi, Adel</td>
<td>77</td>
</tr>
<tr>
<td>Kalle, Lobna</td>
<td>24</td>
</tr>
<tr>
<td>Kamoun, Lotfi</td>
<td>71</td>
</tr>
<tr>
<td>Kansou, Ali</td>
<td>8, 10, 39</td>
</tr>
<tr>
<td>Karoui, Asma</td>
<td>43</td>
</tr>
<tr>
<td>Khayech, Kais</td>
<td>40</td>
</tr>
<tr>
<td>Khemaja, Maha</td>
<td>11</td>
</tr>
<tr>
<td>khemakhem, Mahdi</td>
<td>35</td>
</tr>
<tr>
<td>Kolski, Christophe</td>
<td>12, 13</td>
</tr>
<tr>
<td>Kot, Sebastian</td>
<td>38</td>
</tr>
<tr>
<td>Ksouri, Moufida</td>
<td>43</td>
</tr>
</tbody>
</table>

**L**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lahyani, Rahma</td>
<td>35</td>
</tr>
<tr>
<td>Lakhoua, Mohamed Najeh</td>
<td>51</td>
</tr>
<tr>
<td>Leksakul, Komgrit</td>
<td>67</td>
</tr>
<tr>
<td>Loukil, Taicir</td>
<td>20</td>
</tr>
</tbody>
</table>

**M**

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maachou, Nacera</td>
<td>21</td>
</tr>
<tr>
<td>Maalaj, Sawsen</td>
<td>30</td>
</tr>
<tr>
<td>Mammar, Saïd</td>
<td>44, 72</td>
</tr>
<tr>
<td>Mammar, Salim</td>
<td>44</td>
</tr>
<tr>
<td>Marins, Fernando Augusto Silva</td>
<td>32</td>
</tr>
<tr>
<td>Masmoudi, Faouzi</td>
<td>52</td>
</tr>
<tr>
<td>Masmoudi, Youssef</td>
<td>1, 5</td>
</tr>
<tr>
<td>Mehri, Houda</td>
<td>18</td>
</tr>
<tr>
<td>Melloul, Racem</td>
<td>82</td>
</tr>
<tr>
<td>Mesghouni, Khaled</td>
<td>26</td>
</tr>
<tr>
<td>Mezghani, Mouna</td>
<td>20</td>
</tr>
<tr>
<td>Mezghani, Salma</td>
<td>83</td>
</tr>
<tr>
<td>Michel, Sophie</td>
<td>9</td>
</tr>
<tr>
<td>Mladenovic, Nenad</td>
<td>84</td>
</tr>
<tr>
<td>Mnif, Mouna</td>
<td>5</td>
</tr>
<tr>
<td>Mnif, Salima</td>
<td>3</td>
</tr>
<tr>
<td>Mohan, Kavigtha</td>
<td>48</td>
</tr>
<tr>
<td>Moulaï, Mustapha</td>
<td>21</td>
</tr>
<tr>
<td>Mounir, Younes</td>
<td>15</td>
</tr>
<tr>
<td>Moussi, Riadh</td>
<td>10</td>
</tr>
</tbody>
</table>
Mraihi, Rafaa 2, 50

N
Neubert, Gilles 68
Nousreddine, Myriam 61, 64
Nupap, Soontarin 68

O
Oliveira, Kathia 74
Ouariti, Amal Zerouli 16
Ouariti, Ouafae Zerouli 15

P
Panzuto, Nicolle da Silva 31

R
Rahmouni, Mouna 51
Rebai, Nihed 69
Rebaï, Abdelwaheb 85, 86
Rehimi, Férid 77
Ridha, Derrouiche 68
Rivenq, Atika 71
Rodrigues, Paulo Cesar Chagas 31, 32
Rojbi, Sami 14

S
Saad, Norizan 46
Sabri, Mahmod 46
Saidi, Samir 79
Sari, Zaki 19, 65

Sassi, Aymen 71
Semet, Frederic 35
Sghir, Inès 27
Smaili, Samia 44
Smata, Nesrine 66
Soui, Makram 12
Souii, Makrem 14
Souza, Fernando Bernardi de 32
Starostka-Patyk, Marta 38
Sureephorn, Pradorn 68
Suriety, Lilis 78

T
Tahiri, Hamza 4
Talbi, Abdennebi 47
Tolba, Cherif 66
Toumi, Said 18
Trabelsi, Abdelwaheb 13
Triki, Mariam 53

Y
Yassine, Adnan 8, 9, 10, 39

Z
Zailani, Suhaiza 46, 48, 78, 80
Zidi, Issam 26
Zidi, Kamel 26
Zouari, Zied 40
2,011 4e Conférence internationale sur la logistique (LOGISTIQUA)

Sponsors IEEE:
- IEEE Industry Applications Society
- Chapitre Tunisie Section AES
- Chapitre Tunisie section IA
- Chapitre Tunisie Section RA
- Section Tunisie SMC Chapitre

Autres sponsors:
- Association I Innovation Scientifique d'Appui la Recherche et Tech - ASA rit
- La coopération en Europe Maghreb des Universités en réseaux
- Logistique, Gestion Industrielle et de la Qualité et Gestion Industrielle et Aide à la Décision
- Ecole Nationale d'Ingénieurs de Sfax
- Groupe de recherche sur Intelligent Machines, Tunisie

Cette série de conférences a pour but de réunir des chercheurs et des praticiens pour discuter de questions, les défis et les orientations futures dans les domaines liés à la logistique.

♦ Détails de la conférence

Dates: 31 mai au 3 juin 2011
Emplacement: Vinci Taj Sultan
Hamamet, Tunisie
Site Internet: logistiqua2011.regim.org
Contact:
Adel Alimi M.
ENIS, Route Soukra km3, BP 1173
Sfax Tunisie 3038
+216 74 274 090
adel.alimi@ieee.org
Conférence #: 18776
Participation: 200
Publications: Documents de la conférence de téléchargement de IEEE Xplore

Appel à communications pour les auteurs de conférence
Consultez les détails pour le papier et la soumission des résumés.
⇒ Voir appel à communications
Date limite de soumission: 17 janvier 2011
Date limite de soumission final: 14 mars 2011
Notification de la date d’acceptation: 1 mars 2011

⇒ Retour aux résultats de recherche

S'il vous plaît voir le site Web de la conférence pour plus de détails.
# Logistique (LOGISTIQUA) 2011 4e Conférence internationale sur

**Date 31 3 mai 2011-Juin 2011**

| Affichage Résultats 1 - 25 de 89 | Montrer: 25 |  |

### AUTEUR

- Chabchoub, Habib (15)
- Ghedira, Khaled (5)
- Abed, Mourad (5)
- Yassine, Adnan (5)
- Jarboui, Bassem (4)
- Mourir, Benaisa (4)
- Galinho, Thierry (3)
- Ben Abdelhafid, Abdelatif (3)
- Kansou, Ali (3)
- Abdelatif, Ben Abdelhafid (3)
- Mammar, Saïd (2)
- Anta, Abdelahakim (2)
- Eddaly, Mansour (2)
- Ahmed, Frikha (2)
- Massoudi, Youssef (2)
- Rebai, Abdelwahab (2)
- Sbai, Makram (2)
- Kolski, Christophe (2)
- Memmi, Imen Chaieb (2)
- Farah, Ihsen (2)
- Mrahi, Rafaa (2)
- Rodrigues, Paulo Cesar Chagas (2)
- Benmousf, Senouci (2)
- Dhiaf, Mohamed Mahjoub (2)
- Derouiche, Ridha (2)

### AFFILIATION

- FSEG, STX, Tunisie (4)
- Groupe de recherche sur les machines intelligentes (GEMINI), Université de Stax - Tunisie (2)
- IUT, Inst. de Ind. Gér., de Stax, Univ. de Stax, Stax, Tunisie (2)
- Lab. d’Appl. Math. du Havre, Univ. du Havre, Le Havre, France (2)
- CEREN, Univ. du Havre, Le Havre, France (2)
- Lab. CEREN, Univ. du Havre, Le Havre, France (2)
- LGPM, ENIM, Metz, France (1)
- Univ Lille Nord de France, Lille, France (1)

---

**Table des matières**

- Préface
  - Alimi, Adel M.; Ben Abdelhafid, Abdelatif; Chabchoub, Habib
  - Publication Année: 2011, Page(s): i
  - PDF (31 Ko)

- Message de bienvenue du président de la conférence
  - Ben Assa, Mounir
  - Publication Année: 2011, Page(s): ii
  - PDF (31 Ko)

- Comité d’organisation
  - Publication Année: 2011, Page(s): iii - v
  - PDF (378 Ko)

- Membres PTC
  - Publication Année: 2011, Page(s): vi - viii
  - PDF (41 Ko)

- Conférences plénières
  - Résumé PDF (616 Ko)

- Séances industriels
  - Publication Année: 2011, Page(s): xii
  - PDF (274 Ko)
Indice de papier
Publication Année: 2011, Page (s): XIII - xxiii

Index des auteurs
Publication Année: 2011, Page (s): xxiv - xxvi

Répartition de la flotte maritime en utilisant des techniques d'exploration de données
Ammar, MH; Ben Hafsisa, S.; Masmoudi, Y.; Chabchoub, H. 
Publication Année: 2011, Page (s): 1 - 5 cité par: Papers (1) I Brevets (2)

Monopoles réglementés frontière et la rentabilité du transport public tunisien
Mraihi, R. 
Publication Année: 2011, Page (s): 6 - 12

Un contrôleur de la circulation urbaine pour les intersections rail-route balisées
Elkosantini, S.; Mnif, S.; Chabchoub, H. 
Publication Année: 2011, Page (s): 13 - 18

Intégration de systèmes de communication pour un chemin de fer wagon intelligent
Clarhaut, J.; Hayat, S.; Tahiri, H. 
Publication Année: 2011, Page (s): 19 - 24

Un graphe approche de coloration multi-niveaux pour les horaires du conducteur de bus: Une étude du transport public de Sfax de cas réel
Mnif, M.; Masmoudi, Y.; Chabchoub, H. 
Publication Année: 2011, Page (s): 25 - 31 cité par: Papers (1)

Méthode multicritère pour une sélection du site d’un nouvel hôpital à Sfax
Wissem, E.; Ahmed, F.; Mounir, B. 
Publication Année: 2011, Page (s): 32-37

Sur la performance de colonie de fourmis artificielles pour résoudre le problème de routage dynamique du véhicule
Euchi, J.; Yassine, A.; Chabchoub, H. 
Publication Année: 2011, Page (s): 38-43

Nouvelle modélisation et méthode exacte pour le séquençage avions d’arrivée et la planification
Farah, I.; Kangou, A.; Yassine, A.; Galinho, T. 
Publication Année: 2011, Page (s): 44-49

http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5920928