INVITED SPEAKERS

**Keynote Speakers**

**Trends and Directions in Distributed Knowledge**  
*Elias M. Awad*

**Convex Quadratic Programming in Graphs - Links between Continuous and Discrete Problems**  
*Domingos Moreira Cardoso*

**Transforming a Complex, Global Enterprise - Operations Research for Management Innovation**  
*Greg H. Parlier*

METHODOLOGIES AND TECHNOLOGIES

**Full Papers**

**Planning and Control Model for a Forest Supply Chain**  
*C. Alayet, N. Lehoux, L. Lebel and M. Bouchard*

**Cyclic-type Polling Models with Preparation Times**  
*N. Perel, J. L. Dorsman and M. Vlasiou*

**A Distributionally Robust Formulation for Stochastic Quadratic Bi-level Programming**  
*Pablo Adasme, Abdel Lisser and Chen Wang*

**A Hybrid Metaheuristic for the Bus Driver Rostering Problem**  
*Vitor Barbosa, Ana Respicio and Filipe Alvelos*

**Hill Climbing versus Genetic Algorithm Optimization in Solving the Examination Timetabling Problem**  
*Siti Khatijah Nor Abdul Rahim, Andrzej Bargiela and Rong Qu*

**Short Papers**

**A Combinatorial Optimization Approach for the Electrical Energy Management in a Multi-source System**  
*Yacine Gaoua, Stéphane Caux and Pierre Lopez*

**Now or Never? Optimal Introduction Timing for a Product Line Extension with Operational Cost Considerations**  
*Shan Li and Zuo-Jun Max Shen*

**Simulating the Repatriation of Canadian Forces Materiel from Afghanistan**  
*Bohdan Kaluzny and Raman Pall*

**Continuous-time Revenue Management in Car parks - Part Two: Refining the PDE**  
*Andreas Papayiannis, Paul Johnson, Dmitry Yumashev and Peter Duck*

**Forecasting for Discrete Time Processes based on Causal Band-limited Approximation**  
*Nikolai Dokuchaev*
Decision Models as Software Artifacts - Bridging the Business-Software Gap for Decision Support Systems
Armando Guarnaschelli, Omar Chiotti and Héctor E. Salomone

Evolutionary Particle Filters: Model-free Object Tracking - Combining Evolution Strategies and Particle Filters
Silja Meyer-Nieberg, Erik Kropat and Stefan Pickl

Segmenting and Selecting Cross-sale Prospects using Dynamic Pricing
Fredrik Thuring, Jens Perch Nielsen, Montserrat Guillén and Catalina Bolancé

A Fuzzy-stochastic Inventory Model without Backorder under Uncertainty in Customer Demand
Pankaj Dutta and Madhukar Nagare

POSTERS

A Fluid Limit for the Engset Model - An Application to Retrial Queues
Stylianos Georgiadis, Pascal Moyal, Tamás Bérczes and János Sztrik

Process Monitoring in Production Systems with Large Diversity of Products
José Gomes Requeijo and Adriano Mendonça Souza

A Fuzzy Approach to Risk Analysis in Information Systems
Eloy Vicente, Antonio Jiménez and Alfonso Mateos

Developing Tools for the Team Orienteering Problem - A Simple Genetic Algorithm
João Ferreira, José A. Oliveira, Guilherme A. B. Pereira, Luis Dias, Fernando Vieira, João Macedo, Tiago Carçao, Tiago Leite and Daniel Murta

OR-based Eco-efficiency Measuring for Economic-ecological Trade-offs Analysis
L. Lauwers and J. Van Meensel

Supply Chain Risk Assessment Applying System Dynamics Approach - Case Study: Apparel Industry
Marzieh Mehrjoo and Zbigniew J. Pasek

APPLICATIONS

FULL PAPERS

Course Opening, Assignment and Timetabling with Student Preferences
Sacha Varone and David Schindl

Management of Emergency Response Teams under Stochastic Demands
Iliya Markov and Sacha Varone

Multi-start Approach for Solving an Asymmetric Heterogeneous Vehicle Routing Problem in a Real Urban Context
José Cáceres-Cruz, Daniel Riera, Roman Buil, Angel A. Juan and Rosa Herrero

The Pareto Frontier for Vehicle Fleet Purchases - Cost versus Sustainability
Daniel Reich, Sandra L. Winkler and Erica Klampfl

A Maintenance-optimal Swapping Policy - For a Fleet of Electric or Hybrid-electric Vehicles
Ahmad Almuhtady, Seungchul Lee, Edwin Romeijn and Jun Ni
The Package Server Location Problem
*Arnaud Malapert, Jean-Charles Régin and Jean Parpaillon*

Faustmann Optimal Pine Stands Stochastic Rotation Problem
*Eduardo Navarrete and Jaime Bustos*

Evaluation of Efficiency of Brazilian Airlines using the MCDEA-TRIMAP Model
*Eliane Ribeiro Pereira, Maria Cecilia de Carvalho Chaves and João Carlos C. B. Soares de Mello*

**SHORT PAPERS**

A Discrete Time Valuation of Callable Financial Securities with Regime Switches
*Kimitoshi Sato and Katsushige Sawaki*

A Linearization Approach for Project Selection with Interdependencies in Resource Costs
*Ali Shafahi and Ali Haghani*

Evidence for the Relationship between Pilot Effectiveness, Surface Anomalies, and Operational Efficiency Data
*Daniel Howell and Sherry Borener*

An Empirical Comparison of DEA and SFA Method to Measure Hospital Units' Efficiency
*George Katharakis, Maria Katharaki and Theofanis Katostaras*

A New Approach to Prevent Deadlock in S³PR Nets with Unreplacable Resources
*Asaftei Timotei and José-Manuel Colom*

Optimal Staffing Policy - A Service System with Stochastic Travel Times
*M. Al-Foraih, P. Johnson, G. Evatt and P. Duck*

Three Dimensional Packing Algorithm with Consideration of Loading and Unloading Order
*Naoki Kobatake, Hidenori Ohta and Mario Nakamori*

Comparison of Two Fuzzy Multi Criteria Decision Methods for Potential Airport Location Selection
*Sedat Belbag, Muhammet Deveci and Ahmet Serhat Uludag*

An Efficient Implementation of a Static Move Descriptor-based Local Search Heuristic
*Onne Beek, Birger Raa and Wout Dullaert*

Stochastic Optimization Model of Fuel Procurement, Transportation and Storage for Coal-Fired Thermal Plants in Hydrothermal Systems
*A. Dias, R. Kelman, F. Thomé, M. Pereira, S. Binato, E. Faria and G. Ayala*

Lagrangian Road Pricing
*Vianney Boeuf and Sébastien Blandin*

Linear Programming Formulation of the Elevator Trip Origin-destination Matrix Estimation Problem
*Juha-Matti Kuusinen, Mirko Ruokokoski, Janne Sorsa and Marja-Liisa Siikonen*

Job Order Assignment at Optimal Costs in Railway Maintenance
*Franziska Heinicke, Axel Simroth, Roberto Tadei and Mauro M. Baldi*

**POSTERS**

Telescope Network Scheduling - Rationale and Formalisms
*Sotiria Lampoudi and Eric Saunders*
Enforcing Liveness in S³PR Nets by Specialization of Resources
Asaftei Timotei and José-Manuel Colom

Equivalence between Two Flowshop Problems - MaxPlus Approach
Nhât Vînh Vo and Christophe Lenté

Scheduling with Tool Switching in Flexible Manufacturing Systems
Selin Özpeynirci and Burak Gökgür

Assessment of Operational Risks Associated to New Product Development - An Application using a Bayesian Networks Method
Tito Armando Rossi Filho, Guilherme Luis Roehe Vaccaro and José António Valle Antunes Junior

A Predictive-Reactive Dynamic Scheduling under Projects’ Resource Constraints for Construction Equipment
Mona Asudegi and Ali Haghani

Decision Support System with Mark-Giving Method
Otilija Sedlak, Marija Cileg and Tibor Kis

The Impact the Price Promotion Has on the Manufacturer’s Performance
Wenting Pan, Yung-Jae Lee and Tina Zhang

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