Monday

**MA-05**

Cancellation
A longitudinal DEA study on financial performance evolutions in the automotive supply network
Marcus Brandenburg

2 - A Multiobjective Approach to Solve Container Ship Loading Planning Problem with Uncertainty
Ricardo Coelho Silva

3 - Strategic decision support for the Bi-objective Location-Arc Routing Problem
Sandra Huber

**MA-23**

1 - Techniques for analysing the Hegselmann-Krause dynamics
Edvin Wedin

2 - Opinions and diplomacy in the presence of uncertain confidence radii
Jörg Rambau, Andreas Deuerling

Cancellation
Bounded Confidence, Radical Groups, and the Decreasing Open-Mindedness of "Normal" Agents
Rainer Hegselmann

**MA-25**

1 - Engaging with behavioural OR: On methods, actors, and praxis
L. Alberto Franco, Raimo P. Hämäläinen

2 - Path Dependence in Operational Research — How the Modeling Process Can Influence the Results
Tuomas Lahtinen, Raimo P. Hämäläinen

3 - Manipulating Expert Risk Perception through Visual Information Format
Ross Ritchie

Cancellation
How to Choose and Combine OR/MS Methods
Jane Christie

**MA-54 has moved from MB-54**

Monday, 10:30-12:00
Building PA, Room B

**Projection methods in optimization problems 1**
Cluster: Convex Optimization

*Invited session*
Chair: Simeon Reich
Chair: Rafał Zalas

1 - Convergence rates for projection algorithms with convex semi-algebraic constraints
Matthew Tam, Jon Borwein, Guoyin Li

2 - On strongly convex functions of higher order
Attila Gilanyi, Nelson Merentes, Kazimierz Nikodem, Zsolt Pales

3 - On recent development on linear convergence of alternating projections
Hieu Thao Nguyen, Russell Luke

**MB-13**

1 - Workload Balancing in the Context of Multi-period Service Territory Design
Matthias Bender, Anne Meyer, Stefan Nickel

2 - Long-Haul Routing in Hub Network
Olli Bräysy, Birger Raa, Wout Dullaert

Cancellation
Exact and Heuristical Algorithms for the Traveling Salesperson Problem with Multiple Time Windows and Hotel Selection
Volkmar Sauerland, Anand Srivastav

4 - The (Over) Zealous Snow Remover Problem
Kaj Holmberg

**MB-48**

1 - Effects of forecasting abilities in a transfer pricing model
Arno Karrer

2 - Biased Innovation Investment
Jingbin He, Bo Liu

Cancellation
Mitigating the risk of supply-side uncertainty creating Reverse Bullwhip Effect: A System Dynamics Approach
Manish Shukla

**MB-54 has moved to MA-54**

**MB-54 has moved from MC-54**

Monday, 10:30-12:00
Building PA, Room B

**Projection methods in optimization problems 2**
Cluster: Convex Optimization

*Invited session*
Chair: Simeon Reich
Chair: Rafał Zalas

1 - Zero-convexity, perturbation resilience, and subgradient projections for feasibility-seeking methods
Daniel Reem, Yair Censor

2 - Projection Methods and Constraint Shape
John Chinneck

3 - The variable metric forward-backward splitting algorithm under mild differentiability assumptions and line searches
Saverio Salzo

4 - Weak, strong and linear convergence of a double-layer fixed point algorithm
Rafał Zalas

**MC-09**

1 - Manufacturing of vias using DSA Technology: an integer programming approach
Dehia Ait-Ferhat, J. Andres Torres, Vincent Juliard, Gautier Stauffer

Cancellation
Off-line Algorithms for Multi-Objective Scheduling Problem Applied to Embedded Vision Systems
Khadija Hadj Salem, Yann Kieffer, Stéphane Mancini

3 - Application management on a heterogeneous microserver system
Lilia Zaourar, Jean Marc Philippe

MC-17
1 - Uniform Traffic Coordination in Arteries
Mariusz Kaczmarek
2 - Optimization of traffic counting point for the estimation of traffic demand using the flow capturing model
Yoichi Shimakawa, Hiroyuki Goto
Paper moved to session TD-21
Modelling traffic jams caused by slow vehicles on secondary roads
Tom Maertens, Willem Melange, Sabine Wittevrongel, Joris Walraevens

MC-20
1 - Optimal location of charging infrastructure for electric and gas fuelled vehicles
Cristina Corchero, Oriol Serch, Sara Gonzalez-Villafranca
2 - Multi-period location of flow intercepting portable facilities of an ITS
Antonio Sforza, Claudio Sterle, Annunziata Esposito Amidei
3 - The maxisum and maximin-maxisum HAZMAT routing problems
Vladimir Marianov, Andrés Bronfman, Germín Paredes-Belmar, Armin Lüer-Villagra
Paper moved from session WC-27
4 - PPP motorway ventures — An optimization model to locate interchanges with social welfare and private profit objectives
Hugo Repolho, Antonio Antunes, Richard Church

MC-41
Cancellation
Measuring systemic risk in financial networks via bootstrap percolation in inhomogeneous random graphs
Thilo Meyer-Brandis, Nils Detering, Konstantinos Panagiotou
2 - Modeling and Measuring Systemic Risk
Stefan Weber
3 - Systemic risk measures from a duality point of view
Cagin Ararat, Birgit Rudloff

MC-54 has moved to MB-54

MC-54 has moved from WC-54

Monday, 12:30-14:00
Building PA, Room B
Implicit splitting methods for convex optimization
Cluster: Convex Optimization
Invited session
Chair: Dirk Lorenz

1 - Relaxed and inertial preconditioned Douglas-Rachford splitting method
Hongpeng Sun, Kristian Bredies
2 - Line Search for Averaged Operator Iteration
Pontus Giselsson
3 - A Forward-Backward Quasi-Newton algorithm for minimizing the sum of two nonconvex functions
Panagiotis Patrinos, Andreas Themelis, Lorenzo Stella

MC-56
Cancellation
Deploying Optimization Applications, O.R. in Action!
Alex Fleischer

MD-14
Cancellation
How to Apply Network Simplex Algorithm to the Steiner Minimal Tree Problem - a Motivating Example
Badri Toppur
2 - A Mixed Integer Linear Programming Model for Capacity Allocation and Shift Scheduling in a Multi-Product, Multi-Resource Environment for Multiple Periods
Ensar Kelez, Gorkem Yilmaz
3 - Mathematical Programming Based Solution Approaches for Classification Problems in Data Mining
Müge Acar, Refail Kasimbeyli
4 - Restructuring Warehouse Locations: An Optimization Model
Pablo Benalcazar, Jacek Kamiński

MD-23
1 - On the similarity of central nodes in complex and sparse networks
Sergey Shvydun
2 - Algebraic operators for the improvement of centrality indices
Valter Senna, Hernane Pereira, Andre Chastinet
3 - Influence estimation in networks by long-range interactions
Natalia Meshcheryakova
Paper moved from session WC-27
4 - Overlapping Kernel-Based Community Detection with Node Attributes
Elisabetta Fersini, Enza Messina

MD-33
1 - Enhancing Rule Ensembles with Smoothing Splines and Constrained Feature Selection: an Application in Bankruptcy Prediction
Koen W. De Bock
2 - Automated Blood Vessel Detection and Pathological Changes Identification in Eye Fundus Images
Jolita Bernatavičienė, Gintautas Dzemyda, Alvydas Paunksnis, Giedrius Stabingis, Povilas Treigys
3 - Data Analysis Method for Facility Breakdown Prediction in the Semiconductor Manufacturing Process
Youngji Yoo, Jun-Geol Baek
Paper moved from session WB-36

4 - Estimation in Partially Linear Regression Models Based on Regression Spline under Right Censored Data
Ersin Yılmaz, Dursun Aydın

MD-47

1 - Impact of Knowledge Sharing-Based Online Customer Complaint Handling on Enterprise Product Sales - A Simulation Analysis
Siyu Luo, Shaqiu Cai, Shimiao Jiang

2 - Effects of Transfer Policies and Layout Structures in Automotive Body Shops Considering Multi-products
Dug Hee Moon, Yesel Num, Yang Woo Shin

3 - Application of a New Method for Sampling from Partially Specified Distributions in the Assessment of Indeterminate Power Systems
Paresh Date, Mohsen Mohammadi, Gareth Taylor

Paper moved to session WC-47

Inventory Decisions with Dependent Demand Using Simulation
Sang-Won Kim

Tuesday

TA-10

1 - Energy Resource Selection Using Analytic Hierarchy Process: Case of Black Sea Region in Turkey
Ata Çırak, Didem Cinar

2 - Choose a medium-sized warship to be built in Brazil: a multicriteria approach
Marcos Santos, Rubens Oliveira, Sergio Baltar Fandino, Ernesto Rademaker Martins, Jonathan Ramos, Glauco da Silva

3 - AHP model for quality of life analysis: A case of Czech administrative regions
Josef Jablonsky

Paper moved from session WC-10

4 - Stakeholder Prioritization using AHP: A Sustainability Marketing Perspective
Vinod Kumar

TA-21

1 - Determination of frequencies, vehicle capacities and passenger assignment in dense Railway Rapid Transit networks
David Canca, Eva Barrena, Alicia De Los Santos Pineda, Jose Luis Andrade

2 - Passenger Demand considerations in Rapid Transit Networks Timetabling
Eva Barrena, David Canca, Francisco A. Ortega Riejos

Cancellation
The Preventive Signaling Maintenance Crew Scheduling Problem for European Railway Traffic Management system(ERTMS)
Shahrzad Mohammadpour

4 - A public transit network design model considering redistribution of services and depot location during disruptions
Luis Cadarso, Esteve Codina, Laureano Fernando Escudero, Angel Marín

TB-06

1 - ELECTRE TRI-nB: A new multiple criteria ordinal classification method
José Rui Figueira, Eduardo Fernandez, Jorge Navarro, Bernard Roy

2 - Multicriteria selection based on lexicographical filter
Yves De Smet, Jean-Philippe Hubinont, José Rui Figueira

Cancellation
Pre-aggregation functions and ordered directionally monotone functions
Francisco Javier Fernandez Fernandez, Humberto Bustince, Edurne Barrenechea, Javier Montero, Radko Mesiar, Anna Kolesarova, Mikel Sesma

4 - Interactive Multiobjective Optimization guided by Dominance-based Rough Set Approach for portfolio facility location problems
Maria Barbati, Salvatore Greco

TB-12

1 - Linear Complexity Algorithms for Compact Routes in the VRP
Philip Kilby, Dan Popescu

2 - Crowdshipping in PDPTW - Effects of Different Compensation Schemes
Lars Dahlé, Marielle Christiansen, Henrik Andersson

3 - Is Electric Commercial Vehicle a Cost-effective Alternative to Diesel Truck in Urban Delivery?
Jane Lin, Wei Zhou

Paper moved from session TC-12

4 - The Vehicle Routing Problem with inconsistency constraints
Maaike Hoogeboom, Wout Dullaert, David Lai

TB-29

1 - Behavioural implications of goal setting in standardised back-office tasks: An experimental investigation
Ann-Kathrin Hirzel, Michael Leyer

2 - Strategic Options for Financial Sustainability in Brazilian metrological laboratories
Mischel Carmen N. Belderrain, Rafael Ichihara, Alberto Paucar-Caceres

3 - Regional development strategy: use of the DEMATEL method.
Magdalena Wagner

Paper moved from session WB-25

4 - Which Drivers Should Transport Your Cargo? Empirical Evidence from Long-haul Transport
Jelle de Vries, Debjit Roy, René de Koster

TB-33

1 - Identifying Quasi Equally Informative Subsets in Multi-objective Feature Selection Problems for Classification
Gulsah Karakaya, Stefano Galelli, Selin Damla Ahpasaoglu, Riccardo Taormina

2 - Machine Learning Approaches towards Knowledge Extraction and Exploitation of Fleet Data
Subanatarajan Subbiah, Alexis-Sarda Espinosa, Sascha Rosbach, Simone Turrin
3 - Kernel LDA-based Rotation Forest for Improvement of Classification performance
Dong Hwan Kim, Seung Hwan Park, Jun-Gool Baek

Paper moved from session WB-21

4 - Performance of Big Data Business Analytics
Marijana Zekic-Susac, Adela Has

TC-12
1 - An adaptive large neighbourhood search heuristic for an inventory routing problem for liquefied natural gas distribution
Yousef Ghiami, Emrah Demir, Tom Van Woensel, Marielle Christiansen, Gilbert Laporte

Paper moved to session TB-12
The Vehicle Routing Problem with inconsistency constraints
Maiake Hoogeboom, Wout Dullaert, David Lai

TC-14
1 - Numerical Solutions to Global Mixed Integer Nonlinear Optimization Problems
João Lauro Faco’, Ricardo Silva, Mauricio Resende

2 - A MINLP model for the Hydro-Scheduling Problem. The Case of a Head-dependent Cascaded Reservoir System
Javier Diaz, Luis Moreno

3 - Piecewise Affine Policies for Two-stage Robust Optimization under Demand Uncertainty
Omar El Housni, Aharon Ben-Tal, Vineet Goyal

Cancellation
Optimal design technique for obtaining solutions to second order response functions
Idorenyin Etukudo

TC-17
1 - The Repair Kit Problem with positive lead times and ordering costs
Ruud Teunter

2 - The influence of quality inspections on the optimal safety stock level
Gudrun Kiesmuller, Danja Sonntag

3 - An inventory control model for modal split transport: A tailored basesurge approach
Chuanwen Dong, Sandra Transchel, Kai Hoberg

Paper moved from session WC-27
4 - Feasibility of Product Innovation: Issues and Challenges for Indian Society
Sadia Samar Ali, Rajbir Kaur

New session:
■ TC-38
Tuesday, 12:30-14:00
Building BM, 1st floor, Room 109M
GUEST-OR: Linking Lean Business and OR
Cluster: Workshops and roundtable
Invited session
Chair: Guido Perboli

1 - GUEST-OR: Linking Lean Business and OR
Guido Perboli
MS&OR specialists managing real projects work in multi-disciplinary teams and multi-stakeholder environments. On the one hand, this process is a source of innovation for the MS&OR community. On the other hand, it touches a scientific nerve: how can we transfer our results to non-OR people? How can we describe to non-OR people a mathematical model or a heuristic solution, and be sure that we are solving their problems? How can we reduce the time needed to move from the first meeting to the delivery of the solution while reducing backtrackings? This workshop introduces GUEST-OR, a Lean business methodology developed for MS&OR projects, and discusses two case-study applications of GUEST-OR to real case studies. The analysis of the KPIs shows how, the overall effort in time and human resources needed to converge to a factual implementation of the projects can be reduced up to 40%. Those workshop participants with experience of practice will be invited to discuss how this compares with their own current approaches and outcomes. The workshop will be of interest to practitioners wishing to explore how OR professionals can improve project and client management, and to compare experiences, as well as to people with less experience of practice who would like help in designing their relationship with the problem-owners.

TD-14
1 - Generalized vehicle routing formulation for mass rescue operations in ocean waters
Rui Deus, Luís Gouveia

2 - Maritime traffic disruptions in liner ship fleet deployment models: an application to the Suez and Panama canals
Manuel Herrera Rodriguez, Per Agrell, Casiano Manrique-de-Lara-Peñate

3 - Dealing with uncertainty in a maritime inventory routing problem
Filipe Rodrigues, Agostinho Agra, Marielle Christiansen, Lars Magnus Hvattum

Paper moved from session WC-38
4 - Considering uncertainty in the berth allocation problem
Xavier Schepler, Dominique Feillet, Nabil Absi, Eric Sanlaville

TD-18
Cancellation
Towards efficient design of a multiproduct batch plant in the chemical blending industry
Trijntje Cornelissens, Floor Verbiest, Johan Sprinrael

2 - Optimal Production Strategy in a Production Firm with Committed Lead Time
Taher Atmadi, Zambal Atan, Ton de Kok, Ivo Adan

3 - Modified Holt Winters Forecasting Method
Hanife Taylan, Güzçan Yapor
4 - Incorporating Collaborative Freight Transport Operations in an Urban Context: First Insights from the Agricultural Products Sector in the Metropolitan Area of Milan
Theodora Trachana, Giuseppe Galli, Vasilieos Zeimpekis, Enrico Pastori, Eleni Zampou

■ TD-21
1 - Delay data analysis for railway scheduling
Josephine Reurer, Natalia Kliewer

2 - Measuring production efficiency and service effectiveness of multi-mode metro-transit: A network DEA model
Chao-Chung Kang

3 - Efficient Update of the Traffic Graph
Pravesh Bhiyani, Sakshi Taneja

Paper moved from session MC-17

4 - Modelling traffic jams caused by slow vehicles on secondary roads
Tom Maertens, Willem Melange, Sabine Wittevrongel, Joris Walraevens

Title change:

■ TD-25
Tuesday, 14:30-16:00
Building BM, ground floor, Room 19

Behavioural issues in multicriteria decision making
Cluster: Behavioural Operational Research
Invited session
Chair: Jyrki Wallenius
Chair: Pekka Korhonen

1 - Voting Advice Model
Jyrki Wallenius, Tommi Pajala, Pekka Korhonen, Pekka Malo, Ankur Sinha, Akram Dehnokhalaji

2 - Judgments of importance revisited: What do they mean?
Tommi Pajala, Pekka Korhonen, Jyrki Wallenius

3 - Some thoughts of choosing criteria for decision problems
Abdulaz Keshvari, Pekka Korhonen, Jyrki Wallenius

4 - Logit, CES, and Rational Inattention
Andrei Matveenko

■ TD-39
1 - Ski injury risk segmentation based on massive skier transportation data
Boris Delibasic, Mihija Suknović

2 - Does text analytics fit text analytics needs?
Isabelle Linden, Anne Wallemacq

3 - Early Rapid Prognostic System for Sepsis
Shuaiyu Yao, Jian-Bo Yang, Dong-Ling Xu

Cancellation
Effects of Biased News on Willingness of Social Media Users to Support Governments’ Initiatives)
Lucia Rivainceira

■ TD-48
1 - Optimization of Leakage in Water Distribution Networks Using Pressure Reducing Valve
Ezgi Köker, A. Burcu Altan-Sakarya

2 - Convex Relaxation for Water Distribution Systems
Gratien Bonvin, Sophie Demassey

3 - Soft Classification of Satellite Data for Snow Mapping by using Multivariate Adaptive Regression Splines
Semih Kuter, Zuhal Akyurek, Gerhard-Wilhelm Weber

Paper moved from session WB-48

4 - Probabilistic forecasts for short-term wind power generation using Singular Spectrum Analysis and Conditional Density Kernel
Reinaldo Souza, Soraide Aguilar, Jose Pessanha, Fernando Luiz Cyriño Oliveira, Luiz Fernando Lorey

Wednesday

New session:

■ WA-39
Wednesday, 8:30-10:00
Building WE, 1st floor, Room 107

Robot Process Automation: Threat or Opportunity
Cluster: Workshops and roundtable
Invited session
Chair: Piotr Grzywacz

1 - Robot Process Automation: Threat or Opportunity
Piotr Grzywacz

Robotic Process Automation (RPA) becomes a priority topic for decision makers around the world. It leads to dramatic reduction of costs, whilst improving service levels, data quality and reducing risks. Robots deliver repetitive, high-volume tasks efficiently, while people build relationships, provide subjective judgement, deliver exception tasks, manage change and improve their organizations. The workshop will be a place, where practical application of RPA will be discussed and presented based on real-life business cases. The participants will also have an opportunity to resolve an example RPA introduction case. The workshop is dedicated to business practitioners as well as scientists interested in business application of software robotics in different sectors of economy. We also offer an opportunity to discuss the future of robotic process automation. No pre-requisite knowledge or experience are required. Understanding of business process complexity as a valuable nice-to-have criterion.

■ WA-53
Cancellation
Assembly line balancing in the footwear industry
Parisa Sadeghi, Rui Rebelo, Jose Soeiro Ferreira

2 - Automated Design of Heuristic-Based Solution Approaches for Lot-Sizing Problems
Luis Filipe Araujo Pessoa, Bernd Hellingrath, Fernando Buarque de Lima Neto

3 - Minimizing Non-Machining Times in Automatic Tool Changers
Fehmi Burcin Oszoydan, Adil Baykasoglu

■ WB-09
1 - Prediction of Customer Loyalty for Online Retailers
Birol Yüceoglu, S. Ilker Birbil, Işıl Öztürk

2 - The validity analysis on major factors of customer satisfaction
Sisi Cui, Peng Zhang, Wei Yu, Hong Seung Ko

3 - Term-structure analysis of hidden order in the limit order book: evidence from the E-Mini S&P 500
Pongsutti Phuensane, Julian Williams
In this talk I will present a review of management science research on individual differences in work rate variability, from its beginnings in time and motion studies, to current day behaviorally-based research. Both empirical descriptive research, and prescriptive models and their applications will be reviewed. I will draw out unresolved issues related to (1) the nomological network of individual differences in work rate variability, which appears to be different from the nomological network of individual productivity (mean work rate), and (2) the consequences of individual variability on group productivity, which appears to depend on the way group work is organized, and the time-urgency of work. I will offer three propositions related to these unresolved issues, and present preliminary results from two experiments which provide mixed support for these propositions.

**Cancelling**

**Multi-Objective Two-Stage Grey Transportation Problem Using Utility Function with Goals**
Sankar Kumar Roy, Gurupada Maity, Gerhard-Wilhelm Weber

**WB-13**

**Cancelling**

**Genetic Selective Hyper-Heuristic for the Vehicle Routing Problem with Pickup Delivery**
Abbas Tahini

2 - **A New Formulation for the Close Open Mixed VRP**
R. Aykut Arapoglu, Abdurrahman Yildiz

3 - **Heuristic algorithm for arrival times with driver hours of service in truck transport**
Gideon Mbiedyenyuy

4 - **A novel matheuristic approach based on sets of independent moves in CVRP problems**
David Di Lorenzo, Tommaso Bianconcini, Alessandro Lori, Fabio Schoen, Leonardo Taccari

**WB-21**

1 - **Variable Structure Optimal Control Problem with Delay and Its Application in Compram Method**
Akaki Arsenashvili

2 - **A Heuristic Approach for Welfare-oriented Periodic Food Recovery and Distribution Problems**
Hanna Grzybowska, DivyaJayakumar Nair, David Rey

3 - **Group Decision Support by Hierarchical Clustering from the Viewpoint of Ignorance of a Decision Maker**
Tomoe Entani

Paper moved to session TB-33

**Performance of Big Data Business Analytics**
Marijana Zekic-Susac, Adela Has

**WB-25**

1 - **An Inventory System with Quasi-hyperbolic Discounting Rate**
Xiaobo Zhao, Yung Zhou, Jinxing Xie

2 - **Forecasting Temporal Changes in Biases**
Sundara Natarajan Panchanathan, Rahul R Marathe

3 - **Trust-Aware Decision Support Mechanism for Supply Chains**
Diego de Siqueira Braga, Bernd Hellingrath, Fernando Burquerque de Lima Neto

Paper added to session

4 - **Individual differences in work rate variability: review and propositions**
Kenneth Doerr, Graduate School of Business and Public Policy, Naval Postgraduate School, 555 Dyer Road, 93943, Monterey, CA, United States, kndoerr@nps.edu

In this talk I will present a review of management science research on individual differences in work rate variability, from its beginnings in time and motion studies, to current day behaviorally-based research. Both empirical descriptive research, and prescriptive models and their applications will be reviewed. I will draw out unresolved issues related to (1) the nomological network of individual differences in work-rate variability, which appears to be different from the nomological network of individual productivity (mean work rate), and (2) the consequences of individual variability on group productivity, which appears to depend on the way group work is organized, and the time-urgency of work. I will offer three propositions related to these unresolved issues, and present preliminary results from two experiments which provide mixed support for these propositions.

**WB-36**

1 - **On Temporal Density Extrapolation Using Kernels**
Georg Krempel, Marianne Stecklina

2 - **Recent Advances in Modern Swarm and Evolutionary Algorithms**
Roman Senkerik

Paper moved to session MD-33

**Estimation in Partially Linear Regression Models Based on Regression Spline under Right Censored Data**
Ersin Yilmaz, Dursun Aydn

**WB-41**

Paper moved from session WC-41

1 - **A Multi-criteria Decision Approach for Drugs for Rare Diseases Assessment**
Sarah Ben Amor, Abdallah Neily

2 - **Multi-criteria Optimisation and Decision-making in Radiotherapy**
Sebastiaan Breedveld, Rens van Haveren, Linda Rossi, Steven van de Water, Tine Arts, Abdul Wahab Sharfo, Mischa Hoogeman, Wlodzimierz Ogryczak, Ben Heijmen

3 - **Using Clinical Data to Predict Surgical Overtime: An Artificial Neural Networks—based Method**
Jun-Der Leu

Paper moved to session WC-41

**Combining Patient Therapy Adherence and Preference Models for Patient-centered Therapy Evaluation**
Szymon Wilk, Dympna O’Sullivan, Martin Michalowski, Wojtek Michalowski, Marc Carrier, Hugh O’Sullivan

**WB-48**

1 - **On the optimal participation in electricity markets of wind power plants with battery energy storage systems**
F-Javier Heredia, Cristina Corchero, Marlyn Dayana Cuadrado Guevara

2 - **Using Different Clustering Techniques in Artificial Neural Network for Wind Speed Estimation**
Kadiyie Ergun, Melike Sultan Karasu Asnaz

3 - **Valuing demand responsiveness - using houses as batteries to store electricity**
James Corbishley

Paper moved to session TD-48

**Probabilistic forecasts for short-term wind power generation using Singular Spectrum Analysis and Conditional Density Kernel**
Reinaldo Souza, Soraida Aguilar, José Pessanha, Fernando Luiz Cyrino Oliveira, Luiz Fernando Lorey

**WC-10**

1 - **A Hybrid DEMATEL and ANP SWOT Analysis for A Local Case of University, Industry and Government Interactions**
V. Alpagut Yavuz
2 - Mathematical model for evaluating artistic work outcomes
Jana Talasova, Jan Stoklasa, Pavel Holeček

3 - Using ANP - TOPSIS methods for route selection of monorail in Ankara
Mustafa Hamurcu, Tamer Eren
Paper moved to session TA-10
Stakeholder Prioritization using AHP: A Sustainability Marketing Perspective
Vinod Kumar

[WC-12]
1 - A choice-based optimization approach in flexible mobility on demand
Shadi Sharif Azadeh, Michel Bierlaire
Cancellation
Choice-based demand in eCommerce
Alwin Haensel

3 - Revenue management capacity control optimization with aggregated non-parametric choice behaviour
Thibault Barbier, Miguel Anjos, Fabien Cirinei, Gilles Savard

4 - A new mathematical formulation to integrate supply and demand within a choice-based optimization framework
Meritxell Pacheco Paneque, Shadi Sharif Azadeh, Michel Bierlaire

[WC-27]
1 - Programming Air Freight Subject to Conditions - Airstrips and Airplanes to Humanitarian Logistics in a Natural Disaster
Fernando Crespo
Paper moved to session TC-17
Feasibility of Product Innovation: Issues and Challenges for Indian Society
Sadia Samar Ali, Rajbir Kaur
Paper moved to session MD-23
Overlapping Kernel-Based Community Detection with Node Attributes
Elisabetta Fersini, Enza Messina
Paper moved to session MC-20
PPP motorway ventures — An optimization model to locate interchanges with social welfare and private profit objectives
Hugo Repolho, Antonio Antunes, Richard Church

[WC-38]
1 - An Algorithm for a Bi-objective Parallel Machine Problem with Eligibility, Release Dates and Delivery Times of the Jobs
Jacques Teghem, Manuel Mateo, Daniel Tuyttens, Daniel Tuyttens

2 - The New Method of Sub-Neighborhood Generation in Discrete Optimization Problems
Mieczysław Wodecki, Wojciech Bożejko

3 - A robust approach for an integrated production scheduling and delivery routing problem
Jean-Charles Billaut, Azeddine Cherif, Christian Artiges
Paper moved to session TD-14
Considering uncertainty in the berth allocation problem
Xavier Schepler, Dominique Feillet, Nabil Absi, Eric Sanlaville

[WC-41]
1 - Performance-based Contracts to Promote Quality Provision in Breast Cancer Treatment
Salar Ghamat, Greg Zaric, Hubert Pun
Paper moved from session WB-41

2 - Combining Patient Therapy Adherence and Preference Models for Patient-centered Therapy Evaluation
Sezmyon Wilk, Dympna O’Sullivan, Martin Michalowski, Wojtek Michalowski, Marc Carrier, Hugh O’Sullivan
Paper moved to session WB-41
A Multi-criteria Decision Approach for Drugs for Rare Diseases Assessment
Sarah Ben Amor, Abdallah Nefli

[WC-47]
1 - Robust Multi-Product Pricing Optimization with Experiments
Cong Cheng

2 - Integration of Robust Optimization and Monte Carlo Simulation for Maximum Capability Evaluation of Gas Transmission Network under Disruptions
Trung Hieu Tran, Simon French, Rhys Ashman, Edward Kent, Steven Hopkins

3 - Scenario Aggregation using Binary Decision Diagrams for Stochastic Programs with Endogenous Uncertainty
Utz-Uwe Haus, Marco Laumanns, Carla Michini
Paper moved from session MD-47

4 - Inventory Decisions with Dependent Demand Using Simulation
Sang-Won Kim

[WC-51 has moved to WC-54]
[WC-54 has moved to MC-54]
[WC-54 has moved from WC-51]

Wednesday, 12:30-14:00
Building PA, Room B

Efficient algorithms for mathematical imaging applications
Cluster: Convex Optimization
Invited session
Chair: Kristian Bredies

1 - An inexact variable metric line-search algorithm for convex and non-convex optimization
Ignace Loris

2 - Convergence and stability of Inertial Forward-Backward
Charles Dossal

3 - A globalized semismooth Newton method for nonsmooth problems
Andre Milzarek, Michael Ulbrich