

Wednesday

■ WB-03

- 1 - **Multi-objective capacitated facility location problem: A case study of Tehran earthquake**
Mahdi Shavarani
- 2 - **2-Echelon Optimization Model for Urban E-Grocery Operations**
Tim Kammann, Agathe Kleinschmidt, Sören Schindler, Max Leyerer, Marc-Oliver Sonneberg, Michael H. Breitner
Paper moved from session WC-03
- 3 - **Determining the influence of truck appointment systems at container terminals on truck arrival patterns of related logistics nodes**
Ann-Kathrin Lange, Anne Schwientek, Carlos Jahn

Cancellation

Developing a novel decision model for sustainable design and optimization of logistics networks and an application on renewable energy systems

Sebnem Yilmaz Balaman

Cancellation

Intelligent Matheuristic based on lagrangian hyperheuristic method for Hub Location Routing Problem

Kassem Danach, Shahin Gelareh, Rahimeh Neamatian Monemi

■ WB-04

- 1 - **A Graph Theoretic Approach to Solve Special Knapsack Problems in Polynomial Time**
Carolin Rehs, Frank Gurski
 - 2 - **The Graph Segmentation Problem**
Stephan Schwartz, Leonardo Balestrieri, Ralf Borndörfer
Cancellation
- The Induced Star Partition of Graphs**
Shalu M A, Vijayakumar S, Sandhya T P

■ WB-22

- 1 - **Driven by change? EV drivers' acceptance and perceived productivity at Deutsche Post DHL**
Stefanie Wolff, Reinhard Madlener
- 2 - **Airline fleet planning with CO2 emission targets under consideration of retrofit options**
Karsten Kieckhäfer, Christoph Müller, Thomas Spengler

Cancellation

Electric vehicle fleet in delivery service: Analysis of battery lifetime and optimization of charging process

Ilka Schöneberger

Title change:

■ WB-23

Wednesday, 11:00-12:30

HFB—B

CANCELLED: Game Theory and Economics

Cluster: Game Theory and Experimental Economics

Invited session

Chair: Mark Francis Rogers

Title change:

■ WC-03

Wednesday, 13:30-15:00

WGS—103

Cancelled: Terminal Operations

Cluster: Logistics and Freight Transportation

Invited session

Chair: Ann-Kathrin Lange

■ WC-19

- 1 - **Overtime planning and safety stock placement in production networks**
Tarik Aouam

Cancellation

Lot sizing, production control rules, and safety stock placement in production networks

Kunal Kumar, Tarik Aouam

Cancellation

Integrated work-in-process (WIP) minimization and safety stock placement in production networks

Foad Ghadimi, Tarik Aouam

■ WC-20

- 1 - **Optimal Randomized Ordering Policies for a Capacitated Two-Echelon Distribution Inventory System**
Taher Ahmadi
- 2 - **Window Fill Rate with Compound Arrival and Assembly Time**
Michael Dreyfuss
- 3 - **A solution procedure for joint optimization of reorder points in n-level distribution networks using (R,Q) order policies**
Christopher Grob, Andreas Bley, Konrad Schade

Cancellation

Improving after sales operations in automotive industry

Sema Kiran, F. Tevhide Altekin

■ WC-23

- 1 - **An Efficient and Truthful Algorithm for Fair Scheduling on Related Machines**
Ruini Qu, Bo Chen
Paper moved from session WB-23
- 2 - **How Additional Exit Affect the European Union's Power Distribution**
Mark Francis Rogers, Dóra Gréta Petróczy, László Kóczy

Cancellation

An Electronic Market Model for Online Secondary Book Markets

Ali Haydar Ozer

■ WC-25

- 1 - **Benefits and Limitations of Simplified Transient Gas Flow Formulations**
Felix Hennings, Tom Streubel

Cancellation

A multi-objective approach to natural gas transmission networks with heterogeneous compressor units

Hasan Basri Tosun

3 - The Value of Diversified Infrastructure in the European Natural Gas Market Using Chance Constrained Programming

Philipp Hauser

■ WD-01 has moved to WD-24

Title change:

■ WD-01

Wednesday, 15:30-16:15

WGS—101

Cancelled: Semi-Plenary Panos M. Pardalos

Cluster: Semi-Plenaries

Invited session

Chair: *Stefan Wolfgang Pickl*

■ WD-24 has moved to WD-01

■ WD-24 has moved from WD-01

Wednesday, 15:30-16:15

HFB—C

Semi-Plenary Marco Lübbecke

Cluster: Semi-Plenaries

Invited session

Chair: *Thorsten Koch*

1 - Optimization meets Machine Learning

Marco Lübbecke

■ WE-03

1 - Multi-Commodity Two-Echelon Vehicle Routing Problem with Time Windows

Fardin Dashty Saridarq, Nico Dellaert, Tom van Woensel, Teodor Gabriel Crainic

2 - Vehicle Scheduling vs. Vehicle Routing: Efficient network flow-based mathematical models and contrasts in structure and practical requirements

Taieb Mellouli

Cancellation

Preemptive Goal Programming for Daily Shipment Planning: A Case Study

Uğur Eliiyi, Sel Ozcan, Deniz Türsel Eliiyi, Ezgi Acar, Atacan Peker

■ WE-25

1 - A Large-scale Spatial Open-source Electricity Market Model Using the Julia Language

Jens Weibezahn, Mario Kendziorski, Jan Zepter

2 - Reducing computing times in optimizing energy system models- challenges and opportunities

Felix Cebulla, Karl-Kien Cao, Manuel Wetzel, Frederik Fiand, Hans Christian Gils

Cancellation

Minimal Feasible Model Representation for Unit Commitment Problems

Christoph Thurner

Thursday

Title change:

■ TA-19

Thursday, 9:00-10:30

RBM—3302

Case Studies in Operations Management

Cluster: Production and Operations Management

Invited session

Chair: *Seyedreza Rahnamay Touhidi*

1 - Clustering the auto-part manufacturing companies based on the product value criteria (case study)

Houshang Taghizadeh, Mostafa Ziyaei Hajipirli

2 - Agility indices to selecting contractors in outsourcing projects (case study)

Seyedreza Rahnamay Touhidi, Mostafa Ziyaei Hajipirli

■ TA-22

1 - Sustainable tourism destination selection under the effect of digital economy

Erdem Aksakal

2 - Multiobjective Spatial Optimization: The Canadian Coast Guard

H.a. Eiselt, Amin Akbari, Ronald Pelot

Cancellation

How Frequent Flyers Choose Airlines: Case of Turkey

Ozay Ozaydin

■ TB-12

Cancellation

Recent news – IBM Decision Optimization Portfolio

Hans Schlenker

2 - IBM Decision Optimization cloud offering

Sebastian Fink

3 - Designing and building new aircrafts case study

Sofiane Oussedik

■ TB-15

1 - Integration of Order Acceptance into Optimization-Based Order Release models

Pia Netzer, Stefan Haeussler, Hubert Missbauer

2 - Analysis of machine use in sport center in Medellin, Colombia

Yony Fernando Ceballos, Salomé Naranjo, Carlos Hernandez

Cancellation

Determination of Employee Requirements in a Service System Using Simulation Based Optimization

Gokalp Yildiz, Seyda Topaloglu Yildiz

Title change:

■ TB-16

Thursday, 11:00-12:30

RBM—1102

CANCELLED: Miscellaneous

Cluster: Production and Operations Management

Invited session

Chair: *Gabriel Trazzi*

■ TD-03

Cancellation

Rail car inventory routing in chemical industry

Thomas Kirschstein

2 - **Complexity of railway freight shunting - overview and new results**

Ronny Hansmann

Cancellation

Scheduling a plant railway system in real time with approximation algorithms

Carsten Moldenhauer

Friday

■ FC-10

1 - **Balanced Optimization with vector costs — a computational study**

Annette Ficker, Frits Spieksma, Gerhard J. Woeginger

2 - **A FPTAS for the parametric knapsack problem**

Sven Krumke, Michael Holzhauser

Cancellation

An Approximation Algorithm for the Capacitated Location Routing Problem

Felix J. L. Willamowski

■ FC-22

1 - **Evaluating of e-Commerce Risks in the Framework of Capital Asset Pricing Model**

Gökçe Candan

2 - **A novel bi-objective safety-first model for portfolio optimization**

Amir Abbas Najafi, Tahere Hayati

Cancellation

Mapping the use of multicriteria methods applied to public security

Marcio Basilio, Helder Costa, Valdecy Pereira