

Wednesday 9th of September

Opening & Plenary sessions

09:00 - 11:45, KA104

Vojtěch Spáčil, František Zapletal	Opening ceremony
Christa Cuchiero	Dynamic universal approximation and optimal control for non-Markovian systems via signature stochastic differential equations
Stefan Trück	Who Sets the Price? Mathematical Models of Price Formation, Flexibility and Strategic Bidding in Electricity Markets

Parallel session I, 13:00 - 14:45

Room KA320 Session I: Sport and Decision Making

Chair: *Michal Černý*

Miroslav Hudec, Miljan Vučetić, David Ulmann and Hanna Kristín Skaftadóttir	Asymmetric evaluation of experts opinions considering their relevancies to the evaluated proposals or candidates
Michal Černý and Vladimír Holý	Some stochastic properties of Elo and related rating systems in sports statistics
Vojtěch Šimůnek, Helena Brozova and Jan Saro	Fuzzy Multi-Attributes decision model for Athletes Position Suitability
Nour Safar	Exchange-Rate Regimes and Monetary Policy in Oil-Dependent Economies with Informality: An Agent-Based Approach
José Rodea-Zamudio, Martin Flegl, Enrique Delahoz-Domínguez and Eusebio Vargas Estrada	Evaluating Strikers and Forwards in the Bundesliga with a Two-Stage Decision-Making Framework

Room KA321 Session II: DEA and Efficiency

Chair: *Josef Jablonský*

Rohemi Zuluaga-Ortiz, Carlos Garcia-Yerena and Enrique Delahoz-Domínguez	A DEA-Bootstrap Framework for Assessing Educational Quality in Industrial Engineering Programs
Carlos Enrique Garcia-Yerena, Rick Acosta-Vega and Enrique Delahoz-Domínguez	Assessing Value Added in Physical Education and Sports Degree Programs in Colombia Using Data Envelopment Analysis
Josef Jablonsky	Two-Stage Serial DEA Models: A Review and Super-Efficiency Extensions for Complete Ranking
Martina Kuncová and Roman Fiala	Performance Dynamics of Czech Breweries: An Updated DEA-Based Assessment
Eva Hrabovská and Markéta Matulová	Assessing SDG 11 Efficiency in Czech Regions: An Iterative BoD-DEA Approach with Weight Restrictions

Parallel session II, 15:15 - 17:00

Room KA320		Session III: Mathematical Optimization Theory
Chair: <i>Milan Hladík</i>		
Miklós Pintér and Bernard Cornet	The nonvacuity of the core: an alternative proof for Schmeidler's theorem	
Elif Radová Garajová , Miroslav Rada and Milan Hladík	Enumerating Weakly Optimal Solutions in 0–1 Interval Linear Programming	
Robert Hlavatý	Mitigating Conflict in Fair Sharing via Resource Design	
Milan Hladík	How Robust Is Your Solution? Simultaneous Tolerance Analysis in Linear Programming	
David Bartl	Farkas' Lemma and the Bondareva-Shapley Theorem in the Infinite Case	
Room KA321		Session IV: Scheduling, Projects and Optimization
Chair: <i>Miroslav Rada</i>		
Josef Kunhart and Jan Bartoška	Metrics in Scrum: A quantitative model for evaluating metrics utilization in Scrum teams	
Tomas Subrt , Jan Bartoska, Josef Kunhart, Irena Strausova and Simona Huguet	Weekday and Daytime Influence on Work Contours in Projects	
Monika Matoušková and Martin Branda	Fixed Interval Scheduling with Heterogeneous Machines with Random Delays - Distributionally Robust Case	
Miroslav Rada	Mixed-Integer Programming for Conference Scheduling at Scale	
Vaclav Skala	Radial Basis Functions: Analytical Characterization of Polynomial Augmentation and Bias Identification	
Meeting of the Czech Society for Operations Research		
17:30 - 19:00, KA320		

Thursday 10th of September

Parallel session III + PhD Competition, 08:30 - 10:15

Room KA220 PhD Competition I: Financial Markets

Chair: *František Zapletal*

Comming soon

Room KA210 Session V: Sustainability and System Dynamics

Chair: *Pavel Pražák*

Daniel Benedikt, Jan

Rydval, Milan Houška and System Dynamics Model of Carbon Agriculture as a Complex Problem
Mira Mauleshova

Pavel Pražák, Josef Toman
and Andrea Ševčíková

System Dynamics Model of Carbon Agriculture as a Complex Problem

Ladislava Míková, Pavlína
Forstová Kuráňová and
Václav Friedrich

Structural Modelling of Sustainability Perception: Triangulation of
Survey Data and Regional Indicators

Han Bui, Thao Le, Thuy Vo
and Zdeněk Zmeškal

Digital development, governance quality, and income inequality:
empirical evidence from Vietnamese provinces

Ondřej Sokol and Lukáš
Frýd

Does energy efficiency enhance technical efficiency in agriculture?

Room KA211 Session VI: Transport and Emergency Systems

Chair: *Jaroslav Janáček*

Eva Štichhauerová and
Miroslav Žižka

The Impact of Competition and Quality on the Efficiency of Integrated
Transportation Systems

Lýdia Gábrišová, Jaroslav
Janacek and Marek Kvet

Price of Inertia in Emergency Medical System Adjustment

Jaroslav Janacek and
Marek Kvet

Minimal Change of Ambulance Deployment to Reach Given Quality of
Service

Marek Kvet and Jaroslav
Janacek

Ambulance Fleet Minimization without Loss of System Quality

Tomáš Majer, Dalibor
Gonda and Ivana
Ondrušová

Counting passengers in public transport buses using door optical
sensors

Parallel session IV + PhD Competition, 10:45 - 12:30

Room KA220	PhD Competition II: Quantitative Methods and Optimization
Chair: <i>František Zapletal</i>	

Comming soon

Room KA210	Session VII: Statistics, AI and Empirical Modelling
-------------------	--

Chair: *Robert Hlavatý*

Jan Saro and Vojtěch Šimůnek	Explainable Artificial Intelligence for Dairy Cow Classification: A Neural Network Approach with SHAP and LIME Interpretability
-------------------------------------	---

Jana Heckenbergerová and Barbora Kovářová	Structural Factors Influencing AI Copyright Literacy: A Quantitative Analysis from an Academic Survey Study
--	---

Ján Kobida and Ľubica Bartová	Missing Data and Inference in Survey-Weighted Ordered Logistic Models
--------------------------------------	---

Markéta Šindlerová, Jaroslav Urminský, Jakub Černoch and Ondřej Melecký	Legitimacy–Cost Gap in Reshoring: Evidence from Central Europe
--	--

Kateřina Stanovská	Logistic Regression Approach to Modeling Operational Risk in Non-Financial Institutions
---------------------------	---

Room KA211	Session VIII: Operations, Supply and Optimization
-------------------	--

Chair: *Adam Borovička*

Tomasz Brzęczek	Seasonality and trend in multiproduct inventory testing and cost modelling
------------------------	--

František Koblasa and Miroslav Vavroušek	Integrated job shop scheduling and bin packing problem
---	--

Farouk Ligali , Dušan Hrabec and Lars Magnus Hvattum	Comparative Analysis of Mathematical Programming and Metaheuristic Approaches for the Vehicle Routing Problem with Multiple Soft Time Windows
---	---

Adam Borovička	Gradual optimizing a sustainable investment portfolio: sequential mean-semivariance-ESG model
-----------------------	---

Friday 11th of September

Parallel session V, 09:00 - 10:25

Room KA210	Session IX: Macroeconomics and Regional Economics
Chair: <i>Jana Hančlová</i>	
Radmila Krkošková, Zuzana Neničková and Lucie Waleczek Zotyková	The Impact of GDP, Inflation, Industrial Employment, and Trade Openness on Foreign Direct Investment in the Visegrad Group Countries
Jana Hanclova, Lucie Chytilova and Jakub Illík	Dynamic relationship of green economics: renewable energy consumption, CO2 emissions, real GDP and oil prices in European Union countries
Jakub Illík	Strategic Behavior under Production Quotas: The Case of OPEC
Michaela Chocholata	Spatial Patterns of Household Internet Access in EU Regions: An ESDA Approach

Room KA211	Session X: Finance and Financial Markets
Chair: <i>Quang Van Tran</i>	
Quang Van Tran and Karel Brůna	Predicting of Realized Volatility of Bitcoin and Ethereum with Sample Entropy
Petra Vašaničová, Sylvia Jenčová, Martina Košíková, Marta Miškuřová and Kateryna Melnyk	Convergence and Differentiation in Slovak Spa Enterprises: A Cluster Analysis of Financial Indicators
Petra Skřípková and David Neděla	Systemic risk detection using return scenario generation and moving averages: Implications for portfolio selection
Krzysztof Piontek and Maria Mach-Król	Choosing a Value-at-Risk UC Backtest across Standard Tolerance Levels: An Exact-Size Power Analysis

Room 220	Session XI: Contributions of doctoral students
Chair: <i>František Zapleta</i>	

Comming soon

Parallel session VI, 10:55 - 12:20

Room KA210	Session XII: Applied Econometrics and Real Estate
Chair: <i>Nikola Kaspříková</i>	
Jan Kalina and Kristýna Dvořáková	Robust Regression of Human Resources and Labor Market Dimensions of TTDI
Jaromir Zahradka and Jaroslav Marek	Modeling number of advertisements and asking prices of flats with von Mises distributions and regression analysis: Moravian-Silesian Region 2018–2025

Alena Pozdílková and Martin Pozdílek	Regional Apartment Price Disparities in the Czech Republic: Clustering, Supply Elasticity, and Labour Market Analysis with a Focus on the Moravian-Silesian Region
Nikola Kaspříková	Predicting Prices and Discovering Structure in Magic: The Gathering Card Data
Room KA211	Session XIII: Quantitative and Structural Modelling
Chair: <i>Roman Smirnov</i>	
Sabina Szymczak	Composite-based analysis of the relationship between economic and social upgrading
Roman Smirnov	Fractional Economic Dynamics: Deriving Production Functions via Caputo-Type Memory Invariants
Anton Hovana , Peter Trebuňa, Milan Edl and Jaromír Cais	Mathematical Foundations of Modern Scientometric Indices
Lucie Šikudová , Dušan Hrabec and Lars M. Hvattum	A Systematic Review and Meta-Analysis of the Value of Stochastic Solution in Routing Problems with Stochastic Demands
Room 220	Session XII: Quantitative Finance and Optimization
Chair: <i>Vít Procházka</i>	
Vladimír Holý	Granularity-Adjusted ACD Model for Trade Duration Heaping in Foreign Exchange Markets
Jakub Neugebauer	Comparison of Bootstrap Methods in Robust SSD Portfolio Optimization
Vít Procházka	Dynamic Cutting Stock Problem
Martin Čekal	Reinforcement Learning for Perpetual Futures Market Making
Closing ceremony	
12:20 - 12:30, KA220	
František Zapletal	Closing ceremony