Wednesday 13th September 2017	
Morning Coffee	***9:30-10:00***
Room: **J3**; Chair: **J. Plavka**; Assistant: **T. Kopecký**	**13:00-14:40**
D. Bílková: Wages in the Czech Regions: Comparison and Wage Distribution Models	13:00
M. Molnárová: Robustness of interval Monge matrices in max-min algebra	13:20
D. Černá: Wavelet Method for Pricing Options with Stochastic Volatility	13:40
J. Plavka: Efficient algorithms for X-simplicity and weak (X,lambda)-robustness of fuzzy matrices	14:00
V. Finěk: Implicit-explicit scheme combined with wavelets for pricing European options	14:20
Coffee break	***14:40-15:15***
Room: **J3**; Chair: **M. Dorda**; Assistant: **T. Kopecký**	**15:15-16:55**
L. Beranek, P. Hanzal: Price comparison sites and their influence on e-commerce processes	15:15
H. Myšková: Interval Max-min Matrix Equations with Bounded Solution	15:35
E. Draženská: Solvability of interval max-plus matrix equations	15:55
D. Teichmann, **M. Dorda**, D. Mocková: Transportation Problem Model Supplemented with Optimisation of Vehicle Deadheading and Single Depot Parking	16:15
	16:35
Room: **J6**; Chair: **J. Kukal**; Assistant: **L. Kutíková**	**13:00-14:40**
P. Vašaničová, E. Litavcová, S. Jenčová: On Modelling of the Development of Turnover in Services in Slovak	13:00
J. Kukal, Q. Van Tran: Multidimensional Alpha Stable Distribution in Model Parameter Estimation Algorithms	13:20
T. Formanek, R. Hušek: Spatial panel data models - stability analysis with application to regional	13:40
M. Cerny, M. Rada, V. Holy, O. Sokol: On the limit identification region for regression parameters in linear regression with interval-valued dependent variable	14:00
R. Hendrych, **T. Cipra**: On Comparing Prediction Accuracy of Various EWMA Model Estimators	14:20
Coffee break	***14:40-15:15***
Room: **J6**; Chair: **K. Szomolányi**; Assistant: **L. Kutíková**	**15:15-16:55**
O. Šimpach, M. Pechrová: User versus Automatic Selection of Models in Actuarial Demographics: The Impact on the Expected Development of the Probability of Death in the Czech Republic	15:15
J. Kalina, B. Pestova: Robust Regression Estimators: A Comparison of Prediction Performance	15:35
A. Wójcik, K. Warzecha: The level of implementation of Europe 2020 Strategy headline areas in European Union countries	15:55
P. Jirsak, V. Skocdopolova, P. Kolar: Optimisation in a Wholesale Company: A Supply Chain Design Problem	16:15
K. Szomolányi, M. Lukáčik, A. Lukáčiková: Long-Run Elasticity of Substitution in Slovak Economy: The Low-Frequency Suply System Model	16:35
Room: **J12**; Chair: **T. Talášek**; Assistant: **J. Budina**	**13:00-14:40**
P. Berka: Fuzzy Discretization for Data Mining	13:00
E.Mielcova: Expected Coalition Influence under I-Fuzzy Setting: The Case of the Czech Parliament	13:20
J. Stoklasa, T. Talášek: Linguistic approximation of values close to the gain/loss threshold	13:40
J. Talašová, J. Stoklasa, P. Holeček, T. Talášek: Mathematical support for human resource management at universities	14:00
K. Piasecki: Expected return rate determined as oriented fuzzy number	14:20
Coffee break	***14:40-15:15***
Room: **J12**; Chair: **R. Perzina**; Assistant: **J. Budina**	**15:15-16:55**
T. Talášek, J. Stoklasa: Distance-based linguistic approximation methods: graphical analysis and numerical experiments	15:15
M. Kvet, J. Janacek: Struggle with Curse of Dimensionality in Robust Emergency System Design	15:35
M. D. Stasiak: Wave relations of exchange rates in binary-temporal representation	15:55
R. Perzina, J. Ramík: Generalized Dynamic Simulation Model of Rating Alternatives by Agents with	16:15
P. Rotterová, O. Pavlacka: Decision Matrices under Risk with Fuzzy States of the World and Underlying Discrete Fuzzy Probability Measure	16:35

The slot available for each paper is 20 minutes: 15 minutes for the presentation + 5 minutes for discussion

Room: **J13**; Chair: **M. Žižka**; Assistant: **M. Macinka**	**13:00-14:40**
K. Tureckova, E.Kotlánová: Concept of Income Inequality Gap	13:00
V. Frajtová, H. Brožová: AHP and ANP analysis and selection of appropriate management methods	13:20
B. Šicková: Long steps in IPM and L1-regression	13:40
M. Žižka: Use of Malmquist Index in Evaluating Performance of Companies in Cluster	14:00
M. Mojzeš, J. Kukal: Bayesian Study on When to Restart Heuristic Search	14:20
Coffee break	***14:40-15:15***
Room: **J13**; Chair: **M. Kuncová**; Assistant: **M. Macinka**	**15:15-16:55**
N. Pelloneová, E. Štichhauerová: Competitiveness Evaluation of Czech Republic Regions with Data Envelopment Analysis	15:15
V. Kaňková: Optimal Value of Loans via Stochastic Programming	15:35
M. Kuncová, V. Picková: Optimization Model for the Employees' Shifts Schedule	15:55
Š. Peško, T.Majer: Transit coordination in bus-railway networks	16:15
M. Horniaček: Critical Period Method for Approximate Solution of a Discrete Discounted Stochastic Program	16:35
Room: **A3**; Chair: **M. Dlouhy**; Assistant: **M. Pechánek**	**13:00-14:40**
L. Chytilová, J. Hanclova: Comparison of efficiency results for financial institutions using classical DEA	13:00
J. Jablonsky: Benchmarking of countries at Summer Olympic Games using two-stage DEA models	13:20
H. Brožová, J. Rydval: Modelling synergy of the complexity and criticalness factors in the Project management	13:40
M. Dlouhy: A DEA-Based Inequality Measure: Application to Allocation of Health Resources	14:00
M. Košíková, A. Šenková, E. Litavcová, R. Bielik: Spa tourism in Slovakia - analysis of defined aspects	14:20
Coffee break	***14:40-15:15***
Room: **A3**; Chair: **P. Fiala**; Assistant: **M. Pechánek**	**15:15-16:55**
A. Borovička: Selection of the Suitable Building Savings in the Czech Republic Using Multicriteria Evaluation Method	15:15
A. P. Balcerzak, M. B. Pietrzak: TOPSIS with Generalized Distance Measure GDM in Assessing Poverty and Social Exclusion at Regional Level in Visegrad Countries	15:35
A. Rajda-Tasior: The Concept of Mixed Method Study for Risk Assessment in Manufacturing Processes	15:55
J. Bartoška, T. Subrt, P. Kučera: Modification of the EVM by Scenarios	16:15
P. Fiala: Game theory models of co-opetition	16:35
Room: **A4**; Chair: **L. Kristoufek**; Assistant: **R. Cvejn**	**13:00-14:40**
T. Stachurski, T. Żądło: On the impact of correlation between variables on the accuracy of calibration estimators	13:00
L. Kristoufek, M. Vosvrda: Herding, minority game, market clearing and efficient markets in a simple spin	13:20
P. Volf: Analysis of Truncated Data with Application to the Operational Risk Estimation	13:40
K. Mičudová, **L. Lukáš:** Early Exercise Premium and Boundary in American Option Pricing Problem	14:00
K. Echaust, A. Lach: Goodness-of-Fit Tests for Truncated Distributions – The Empirical Study	14:20
Coffee break	***14:40-15:15***
Room: **A4**; Chair: **L. Lukáš**; Assistant: **R. Cvejn**	**15:15-16:55**
Z. Kučerová, **J. Poměnková**: The Role of Credit Standards as an Indicator of the Supply of Credit	15:15
L. Lukáš: Correlation Structure of Underlying Assets Affecting Multi-asset European Option Price	15:35
M. Svoboda, M. Gangur: Using of Markov chains with varying state space for predicting short-term of the share price movements	15:55
H. M. Broulíková, V. Sládek, M. Arltová, J. Černý: Use of Simulation Methods for Evaluation of Alzheimer's disease early detection in Czechia	16:15
M. Pietrzak, E. Łaszkiewicz, A. Balcerzak, T. Meluzín, M. Zinecker: Identification of the Direction of Changes	16:35

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