

<b>Room 107</b>	<b>Chair: Ladislav Lukáš</b>	<b>13:00 – 14:40</b>
<b>J. Kalina and Z. Pitra</b>	How to down-weight observations in robust regression: A metalearning study	13:00
<b>P. Volf</b>	Problem of competing risks with covariates: Application to unemployment study	13:20
<b>V. Kaňková</b>	Multi--Objective Optimization Problems with Random Elements; Survey of Approaches	13:40
<b>J. Stoklasa, T. Talášek and P. Luukka</b>	On consistency and coverage measures in the fuzzified set-theoretic approach for social sciences: dealing with ambivalent evidence in the data	14:00
<b>L. Lukáš</b>	Multi-asset options with different payoff functions	14:20
Coffee break		14:40 – 15:10
<b>Room 107</b>	<b>Chair: Helena Brožová</b>	<b>15:10 – 16:50</b>
<b>S. Hašková</b>	A Contribution to the Application of the Fuzzy Approach to the Economic Analyses	15:10
<b>A. Łyczkowska-Hanćkowiak and K. Piasecki</b>	Two-assets portfolio with trapezoidal oriented fuzzy present values	15:30
<b>A. Borovička</b>	Effect of risk measure on the portfolio composition made by modified fuzzy mean-variance model: Real case with open unit trusts	15:50
<b>E. Pošpiech</b>	Multi-criteria Portfolio Selection with Fuzzy Weights of the Criteria – Comparison of Selected Approaches	16:10
<b>M. Škoda and H. Brožová</b>	The order of contacts to be called after an emergency situation - fuzzy multicriteria decision-making approach	16:30
<b>Room 108</b>	<b>Chair: Josef Jablonský</b>	<b>13:00 – 14:40</b>
<b>M. Kuncová and J. Sekničková</b>	Usage of Weights in MCEA Methods Based on DEA Results	13:00
<b>M. Rada, O. Sokol and M. Cerny</b>	Efficiency of agricultural farms measured by data depth and DEA: comparison and empirical study	13:20
<b>L. Chytilová</b>	Measuring the Efficiency of Customer Satisfaction with DEA models	13:40
<b>M. Pieter</b>	Decision analysis and multi-criteria evaluation using complex DEA models	14:00
<b>J. Jablonský</b>	Alternative approaches for efficiency evaluation in multi-stage serial DEA models	14:20
Coffee break		14:40 – 15:10
<b>Room 108</b>	<b>Chair: Tomáš Cipra</b>	<b>15:10 – 16:50</b>
<b>W. Orzeszko and S. Bejger</b>	Nonparametric prediction of indices from the Central European stock exchanges	15:10
<b>Q. Van Tran and J. Málek</b>	GARCH models with NIG innovations for stock market indices	15:30
<b>R. Hřebík, J. Kukul and J. Jablonsky</b>	SOM with Diffusion Modelling in Stock Market Analysis	15:50
<b>S. Wanat and A. Denkowska</b>	Measuring systemic risk in the European insurance sector using copula-DCC-GARCH model and selected clustering methods	16:10
<b>R. Hendrych and T. Cipra</b>	Common Shock Approach to Default Risk of Reinsurance: Solvency II Framework	16:30

<b>Room 109</b>	<b>Chair: Jaroslav Ramík</b>	<b>13:00 – 14:40</b>
<b>V. Sukač and O. Pavlačka</b>	Fuzzy consensus in group decision-making model using absolute-type evaluations	13:00
<b>O. Pavlačka and V. Sukač</b>	Fuzzy Decision Matrix in Case of Two Risk Factors	13:20
<b>J. Plavka</b>	Interval subeigenvectors of fuzzy matrices	13:40
<b>T. Talášek and J. Stoklasa</b>	Ordering of fuzzy quantities with respect to a fuzzy benchmark - how the shape of the fuzzy benchmark and the choice of distance/similarity affect the ordering	14:00
<b>J. Ramík</b>	Condition of Order Preservation in Pairwise Comparisons Matrix With Fuzzy Elements	14:20
Coffee break		14:40 – 15:10
<b>Room 109</b>	<b>Chair: Tomáš Šubrt</b>	<b>15:10 – 16:50</b>
<b>M. Staňková and D. Hampel</b>	Efficiency Comparison in the Development of Building Projects Sector	15:10
<b>T. Jedlanova, J. Bartoska and K. Vyskocilova</b>	Semantic model of Management in Student Projects	15:30
<b>L. Roubalová, D. Hampel and L. Viskotová</b>	Technological Progress at the Sectoral Level: the Sato Production Function Approach	15:50
<b>M. Pietrzak and B. Ziemkiewicz</b>	Cluster Analysis of Digital Economy in the old European Union Countries	16:10
<b>J. Bartoška, T. Subrt and P. Kučera</b>	Resource Allocation and Motivation Strategies in Project Management	16:30
<b>Room 110</b>	<b>Chair: Milan Vlach</b>	<b>13:00 – 14:40</b>
<b>A. Dvořáčková, D. Teichmann and D. Mocková</b>	Facility Location Problems with Semi-fixed Costs and Time Availability	13:00
<b>P. Fiala and R. Majovska</b>	MODELING OF SUPPLY NETWORK COORDINATION	13:20
<b>A. Kubišová</b>	Algebraic and graphic comparison of crisp, interval and fuzzy approach to solving linear programming problems	13:40
<b>K. Sladký</b>	Risk-sensitive and Mean Variance Optimality in Continuous-time Markov Decision Chains	14:00
<b>M. Vlach and H. Brozova</b>	Remarks on De Novo approach to multiple criteria optimization	14:20
Coffee break		14:40 – 15:10
<b>Room 110</b>	<b>Chair: Štefan Peško</b>	<b>15:10 – 16:50</b>
<b>H. Myšková</b>	Strongly tolerance solvability of max-plus interval matrix equations	15:10
<b>R. Hlavatý and H. Brozova</b>	Matrix games with uncertain entries: A robust approach	15:30
<b>M. Molnárová</b>	Possible and universal robustness of special classes of matrices with inexact data	15:50
<b>L. Frýd and P. Štourač</b>	The Value Premium of Skewness in the Existence of Cross-section Dependence	16:10
<b>Š. Peško</b>	Matrix Rearrangement Problem with Partially Fixed Entries	16:30

<b>Room 308</b>	<b>Chair: Miloš Kopa</b>	<b>13:00 – 14:40</b>
<b>M. D. Stasiak and K. Piasecki</b>	Exchange rate modelling with use of relative binary representation	13:00
<b>B. Francová</b>	Valuation of bonds on the international bond markets	13:20
<b>K. Piasecki and A. Łyczkowska-Hanćkowiak</b>	Japanese candles for financial portfolio	13:40
<b>J. Pekár, I. Brezina and I. Brezina Jr</b>	Portfolio selection model based on Drawdown performance measure	14:00
<b>M. Kopa</b>	Endogenous randomness and first--order stochastic dominance in portfolio optimization.	14:20
Coffee break		14:40 – 15:10
<b>Room 308</b>	<b>Chair: Miroslav Žižka</b>	<b>15:10 – 16:50</b>
<b>A. Tłuczak</b>	Comparison of decision variants with elements of the reference system (BIPOLAR method) in the selection process of suppliers	15:10
<b>A. Szmit and M. Szmit</b>	Modeling of survivability of enterprises created under the Human Capital Operational Programme - a case study	15:30
<b>P. J. Moya Fernández, J. F. Muñoz Rosa, E. Álvarez Verdejo and H. Skalská</b>	Analysis of the performance of control charts in the presence of assignable causes	15:50
<b>L. FriebeL and J. FriebeLová</b>	Stochastic modelling of provisions in company providing loans	16:10
<b>M. Žižka</b>	Assessment of Cluster Benefits to Increase Financial Performance of Companies: Malmquist Index Approach	16:30