

The Fifth Workshop on Computer Modelling in Decision Making (CMDM 2020)

Program

Version: 1.1

MSK time zone

November 26, 2020

Time	Speakers	Title
09.30–09.45	Connecting	
09.45–10.00	Opening	
10.00–11.30	Plenary Talks (moderator: Vladimir Balash)	
10.00–10.45	Dmitry Frolov, Susana Nascimento, Trevor Fenner, Alex Vlasov and Boris Mirkin	Discovery of general meanings in text collections: lifting fuzzy thematic clusters in a domain taxonomy
10.45–11.30	Dmitry Pavlyuk	Public transport demand: a data-driven case study of Riga (Исследование спроса на общественный транспорт: пример Риги)
11.30–11.40	Intermission	
11.40–13.00	CMDM Workshop: Session A (moderator: Vladimir Balash)	
11.40–12.00	Alexey Vlasov, Andrew Khomchenko, Alexey Faizliev, Sergei Mironov and Alexey Grigoriev	Empirical Analysis of the Genetic Algorithm for Finding Central Vertices in Large Graphs
12.00–12.20	Sergei Sidorov	Quantitative Analysis of Friendship Paradox for Complex Networks
12.20–12.40	Anastasia Stepanova	Clustering geotagged data with the k-MXT-W algorithm
12.40–13.00	Irina Veshneva and Galina Chernyshova	The scenario modeling of regional competitiveness risks based on the Chapman-Kolmogorov equations
13.00–14.00	Intermission	
14.00–15.00	Панельная дискуссия на тему: «Риски дивергенции финансового рынка и реальной экономики» (модератор: Н.П. Гришина)	
15.00–15.10	Intermission	

15.10–16.50	CMDM Workshop: Session B (moderator: Alexey Faizliev)	
15.10–15.30	Elena Ilyina and Leonid Saraev	Predicting the dynamics of the maximum and optimal profits of innovative enterprises
15.30–15.50	Alla Yakunina, Alexey Mitrofanov, Elena Ermakova, Sergey Yakunin, Eugene Korobov and Yulia Semernina	Making decisions on issuing sub-federal bonds: key factors modeling
15.50–16.10	Anna Firsova and Alexander Tsylin	Assessment of structural changes in the spatial innovative development of Russian regions
16.10–16.30	Svetlana Mikhilova, Irina Shulunova and Marina Baldanova	Development of models, algorithms, and software for forecasting the population of the region
16.30–16.50	Alexander Saraev and Leonid Saraev	Mathematical models of the development of industrial enterprises, with the effect of lagging internal and external investments

November 27 ноября, 2020

Time	Speakers	Title
10.00–11.30	Plenary Talks (moderator: Sergei Sidorov)	
10.00–10.45	Островская Е. А., Мамонтов Д. С., Спиридонов К. А.	Региональная конвергенция в России: подход на основе географически взвешенной регрессии
10.45–11.30	Балаш В. А., Файзлиев А. Р.	Использование моделей миграции кредитных рейтингов для оценки вероятности дефолта заемщиков
11.30–11.40	Intermission	
11.40–13.30	CMDM Workshop: Session C (moderator: Sergei Sidorov)	
11.40–12.10	Viacheslav Sirotin and Ksenia Alexeeva	Study of Russian Households Income Differentiation with Various Inequality Measures
12.10–12.40	Ekaterina Liskina and Elena Davydova	Econometric modeling of economic factor's impact on the labor force per capita
12.40–13.10	Marina Arkhipova and Valeriya Rogovchenko	Impact of healthcare innovation on the population's well-being in Russia
13.10–13.30	Aneek Saha	The Use of Return on Equity as a Criterion for Stock Selection in the Indian Equity Markets
13.10–14.00	Intermission	

14.00–15.20	CMDM Workshop: Session C (модератор: В.С. Попов)	
14.00–14.20	Ksenia Bodyagina, Maksim Zhigalov and Vadim Krysko	Improving multimaterial structures using topological optimization and the modified SIMP method
14.20–14.40	Oksana Blinkova, Dmitrij Kondratov, Yuliya Kondratova, Lev Mogilevich and Victor Popov	Modeling the vibrations of the elastic plate interacting with a layer of viscous compressible fluid and making a decision
14.40–15.00	Kirill Spiridonov	An algorithm for solving a convex optimization problem with a constraint on cardinality
15.00–15.20	Victor Popov, Alexander Chernenko, Elizaveta Popova, Dmitry Kondratov and Lev Mogilevich	Mathematical Modeling of Circular Sandwich Plate Interaction with Viscous Liquid Layer for Predicting Its Hydroelastic Response