

# *Mathematical Methods in Economics (MME 2022)*

## International Conference

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The Mathematical Methods in Economics (MME) conference has a very long history and tradition. It is one of the most important scientific events organised in the Czech Republic in the field of operational research, econometrics, mathematical economics, and related research areas. In 2022, the 40<sup>th</sup> International Conference on Mathematical Methods in Economics was organised in the city of Jihlava from 7 to 9 September. In addition to the local organiser (the Department of Economic Studies, College of Polytechnics, Jihlava), leading organisers of the MME conference are the Czech Society for Operations Research (CSOR) and the Czech Econometric Society.<sup>3</sup>

The total number of participants in this year's MME conference was more than 80. Several participants chose virtual attendance, which was also possible this year. Participants came from the Czech Republic, Italy, China, Poland, Finland, Lithuania and Slovakia. The programme started with an opening ceremony, where the Chair of the Organising Committee, Martina Kuncová, introduced the main programme and all the facilities. After that, the plenary session started with two exciting lectures. The first one, titled *Labour Market Composite Indexes: Formulation, Estimation and Implications*, was presented by Doctor Jan Brůha from Czech National Bank. Professor Sebastiano Vitali from the University of Bergamo delivered the second plenary talk about *Stochastic optimization and stochastic dominance in Asset and Liability Management models*. After the plenary session, the conference was divided into three parallel sessions. The total number of presentations was more than 70. All accepted papers are published in the *Proceedings of the MME 2022*. As in previous years, they have been submitted for indexing in the Web of Science CPCI database.

It has been a long tradition for PhD students to compete for the best paper during MME conferences. The competition is organised and honoured by the CSOR. All submitted papers were peer-reviewed, and the programme committee further evaluated the papers with positive referee reports. Six best-selected papers were presented at the conference in a special session, and the evaluation committee decided on the winners. The five best papers were awarded after a conference dinner at Radniční restaurant. Lukáš Veverka (Prague University of Economics and Business, Prague, Czech Republic), with his paper 'The Optimal Settings of Genetic Algorithm for Variable Selection in a Non-linear Time Series Model', was the winner of the competition. Anna Selivanova (Czech University of Life Science, Prague, Czech Republic), with her paper 'Application of System Dynamics model of recovery', ranked second.

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<sup>3</sup> More at: <https://mme2022.vspj.cz>.

Petr Pokorný (Prague University of Economics and Business, Prague, Czech Republic) ranked third with his paper 'Reverse Channel Competition in Dual Sustainable Closed-Loop Supply Chain'. David Neděla (Technical University of Ostrava, Czech Republic) and Michal Tomíček (Technical University of Liberec, Czech Republic) won the remaining two awards.

The conference was organised at a great level. All sessions took place in the renovated buildings of the College of Polytechnics Jihlava. The welcome evening took place in the new hall of the College of Polytechnics Jihlava.

An essential part of all conferences is a social programme that offers many opportunities to discuss various problems in an informal environment. The organisers have prepared various combinations of several trips: a guided tour of the Zoo Jihlava, a guided tour of the church of St. Jacob, a guided tour of Jihlava Underground, Brewery, Gustav Mahler House or Gate of Holy Mother. The conference dinner took place at Radniční restaurant on Masaryk square.

This year's annual meeting of the CSOR decided that the 41<sup>st</sup> MME conference would be organised in the city of Prague by the Prague University of Economics and Business, the Faculty of Informatics and Statistics, the Department of Econometrics on 13–15 September 2023.