

# *Mathematical Methods in Economics (MME 2021)* 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 2021, the 39<sup>th</sup> International Conference on Mathematical Methods in Economics was organised in the city of Prague from 8 to 10 September.<sup>3</sup> In addition to the local organiser (the Faculty of Economics and Management, Czech University of Life Sciences, Prague), leading organisers of the MME conference are the Czech Society for Operations Research (CSOR) and the Czech Econometric Society.

The total number of participants in this year's MME conference was almost 120. Due to the Covid-19 pandemic, several participants chose virtual attendance. Participants came from the Czech Republic, United Kingdom of Great Britain and Northern Ireland, China, Poland, the Netherlands, Mexico, Canada, and Slovakia. The programme started with an opening ceremony, where the Chair of the Organising Committee, Robert Hlavatý, introduced the main programme and all of the facilities. After that, the plenary session started with two exciting lectures. The first one, titled *Specification and Estimation of the Effect of Climate on Crop Supply Using Spatial Panel Data*, was presented online by Professor Stephen Clark from the Dalhousie University in Canada. Professor Alessio Ishizaka from the Neoma Business School in France delivered online the second plenary talk about *Visual management tool for multi-criteria decision methods*. After the plenary session, the conference was divided into four parallel sessions. The total number of presentations was more than 80. All accepted papers are published in the *Proceedings of the MME 2021*. 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. Eight best-selected papers were presented at the conference in two special sessions and the evaluation committee decided on the winners. The six best papers were awarded after a conference dinner at the Galaxie hotel. Jan Vávra (Charles University, Prague, Czech Republic), with his paper 'GLMM Based Segmentation of Czech Households Using the EU-SILC Database', was the winner of the competition. Karel Kozmik (Charles University, Prague, Czech Republic), with his paper 'Robust First Order Stochastic Dominance

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<sup>3</sup> More at: <<https://mme2021.czu.cz/en>>.

in Portfolio Optimization', ranked second. Petr Vejmelka (Charles University, Prague, Czech Republic) ranked third with his paper 'State-space modeling of claims reserves in non-life insurance'. Anlan Wang (Technical University of Ostrava, Czech Republic), David Neděla (Technical University of Ostrava, Czech Republic), and Xiaoshan Feng (Technical University of Ostrava, Czech Republic) won the remaining three awards.

The conference was organised at a very good level. All sessions took place in the Faculty of Economics and Management. The welcome evening took place in the hall of the Faculty of Economics and Management.

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 three possible trips. A trip to the Mayrau Mining Museum in Vinařice, which is situated nearby Kladno. A trip to the Old Sewage Treatment Plant in Prague near Stromovka Royal Game Reserve, where participants saw the original technology of wastewater treatment. And a trip to Únětice brewery with beer tasting. The conference dinner took place at the Galaxie hotel near the university campus of the Czech University of Life Sciences, with a barbecue.

This year's annual meeting of the CSOR decided that the 40<sup>th</sup> MME conference will be organised in the city of Jihlava by the College of Polytechnics Jihlava, on 7–9 September 2022.