43rd International Conference on *Mathematical Methods in Economics (MME 2025)*

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The 43nd International Conference on Mathematical Methods in Economics took place at Tomas Bata University in Zlín from September 3 to 5. This annual event serves as a traditional meeting point for academics and professionals from both universities and industry who share an interest in the theory and applications of operations research and econometrics.[2]

The conference was organized by a team from Tomas Bata University, led by Dušan Hrabec and David Tuček, in cooperation with the Czech Society for Operations Research.

This year's conference received over 70 submissions and welcomed more than 80 active in-person participants from countries including the Czech Republic, Slovakia, Norway, and China. Accepted peer-reviewed papers were published in the *Proceedings of the MME 2025*.

The event opened with three invited lectures. The first was delivered by Professor Stein W. Wallace from the Department of Business and Management Science at NHH Norwegian School of Economics, a renowned expert in stochastic programming. His talk focused on situations where standard deterministic optimization models fall short, necessitating the use of stochastic programming.

The second invited speaker was Professor Milan Hladík from the Department of Applied Mathematics at the Faculty of Mathematics and Physics, Charles University. He discussed interval linear programming and its applications across various domains.

The final invited lecture was given by Tomáš Pajonk, a graduate of the Faculty of Informatics and Statistics at the Prague University of Economics and Business, and currently the owner and senior developer at Solvertech, a company specializing in transportation planning optimization. His presentation highlighted practical challenges the company addresses, primarily various forms of the vehicle routing problem, along with the standard transportation problem. His presentation brought a welcome dose of practical insight to a conference largely centered on theoretical topics.

As per tradition, the conference featured a PhD student competition sponsored by the Czech Society for Operations Research, offering a prize of 10 000 czk. This year's winner was Jakub Neugebauer from the Prague University of Economics and Business, recognized for his paper titled *A Vector-Based Weight Adjustment Algorithm for Portfolio Optimization Boosting Genetic Algorithm Efficiency*. Second place also went to the Prague University of Economics and Business, awarded to Petr Krautwurm for his paper *Revisiting the Almost Ideal Demand System with Respect to Substitutability and Complementarity: Suitability for Simulating Consumer Behavior*. Third place was claimed by Erik Kočandrle from the Faculty of Mathematics and Physics at Charles University, for his work *Mean-CVaR Portfolio Choice Problem With Endogenous Randomness*.

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[2] More at: <*https://mme2025.utb.cz*>.

In addition to the standard sections, a new segment titled *Discussion Table* was introduced at the MME conference. This interactive forum brought together academics and industry professionals to exchange insights and best practices on teaching the Data Envelopment Analysis (DEA) methodology and designing robust DEA models for high-quality efficiency assessments.

The conference program also included guided tours to iconic landmarks of Zlín's Baťa heritage, including the Baťa Institutes and the Baťa Skyscraper, known for its unique office elevator – a spacious 6×6 meter cabin that once served as the mobile office of the company's director. The conference dinner, accompanied by live music, was held at the historic Baťa Villa, where participants also had the opportunity to join a guided tour.

The next edition, the 44th MME Conference, is scheduled to take place at Vysoká škola báňská – Technical University of Ostrava from 9 to 11 September 2026.