

**THE 42ND INTERNATIONAL
CONFERENCE ON**

MATHEMATICAL METHODS IN ECONOMICS

**SEPTEMBER 11 – 13, 2024
ÚSTÍ NAD LABEM, CZECH REPUBLIC**



CONFERENCE PROGRAMME



JAN EVANGELISTA PURKYNĚ UNIVERSITY IN ÚSTÍ NAD LABEM



JAN EVANGELISTA PURKYNĚ UNIVERSITY IN ÚSTÍ NAD LABEM

Faculty of Science



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MME 2024

The 42nd International Conference on Mathematical Methods in Economics

Welcome to MME 2024

Dear Participants,

It is our great pleasure to welcome you to the *42nd International Conference on Mathematical Methods in Economics (MME 2024)*. This event brings together scholars, professionals, and experts from diverse fields, united by the common goal of exchanging ideas, sharing cutting-edge research, and fostering meaningful collaboration.

Throughout the conference, you will have the opportunity to attend thought-provoking plenary talks, participate in dynamic parallel sessions, and engage with colleagues from across the globe. We have crafted a comprehensive program that not only offers a rich variety of academic sessions but also includes social events to help you enjoy your time here in Ústí nad Labem.

We encourage you to take full advantage of the scientific discussions, explore fresh perspectives, and build lasting connections with fellow participants.

On behalf of the organizing committee, we wish you an inspiring and rewarding conference experience.

Hossein Moosaei
General Chair of MME 2024



The CEMMTECH building, where the conference will take place, from Wednesday, 11th September, to Thursday, 12th September.



The CPTO building, where the conference will take place on Friday, 13th September.

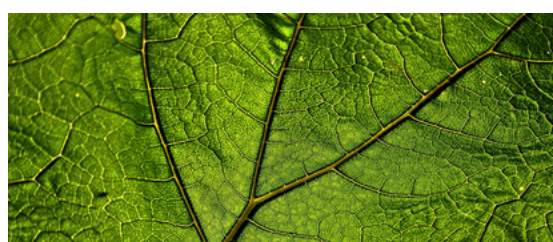
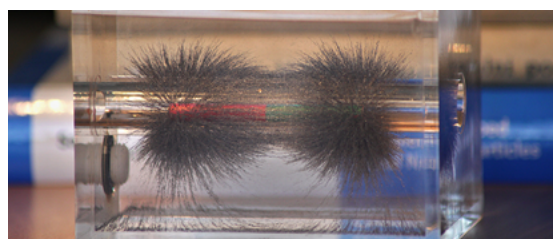


Scientific faculty UJEP

The mission of the Faculty of Science is to encourage learning and develop knowledge in the fields of natural sciences. Its aim is to boost science and research base of UJEP in the field of natural sciences and acquire greater integration in the European research space and international cooperation network.

The next task of the Faculty of Science is to provide higher education at all the three levels (Bachelor, Master, PhD.) both in natural sciences and close technical fields, and also for teachers of natural sciences subjects for the second stage of basic schools and for secondary schools. The faculty prepares graduates in such way that they can find good employment at the employment market, and at the same time, are able to engage in science research.

In the field of science and research, the faculty mainly focuses on computer physics, computer methods and simulations, the problem of methodology of molecular simulation and their application for problems of physics, chemistry and chemical engineering, modelling of energy processes in solar atmosphere with orientation towards eruption physics, further towards the physics of plasmas, plazmochemistry, physics of thin layers and surfaces, research of electrochemical biosensors for environment analysis, microbiology and biology of plants and animals, application geography, environmental geography, country ecology, country synthesis, country planning and instrumental methods in analytical chemistry.



MME 2024

Programme

September

11

Wednesday

8.30–10.00	Registration of participants
10.00–12.30	Opening ceremony and plenary talks
12.30–13.30	Lunch
13.30–15.00	Parallel sessions A
15.00–15.30	Coffee break
15.30–17.00	Parallel sessions B
17.00–17.30	Coffee break
17.30–18.30	Meeting of the Czech Society for Operations Research
18.30–21.30	Welcome evening

September

12

Thursday

8.30–10.00	Parallel sessions C, including PhD students competition Registration of participants
10.00–10.30	Coffee break
10.30–11.30	Parallel sessions D, including PhD students competition
11.30–12.30	Lunch
12.30–12.40	Conference photo
13.30–18.30	Conference trip / Social programme
20.00–23.00	Conference dinner at Krušnohorský Maskaron restaurant in Teplice Ceremony announcing the results of the PhD student's competition

September

13

Friday

8.00–9.30	Morning coffee
8.40–9.20	Guided tour at the Faculty of Science UJEP
9.30–11.30	Parallel sessions E
11.30–12.30	Lunch

PLENARY TALKS

Panos Pardalos

Panos Pardalos was born in Drosato (Mezilo) Argithea in 1954 and earned his degree in Mathematics from Athens University. He received his PhD in Computer and Information Sciences from the University of Minnesota. He is a Distinguished Emeritus Professor in Industrial and Systems Engineering at the University of Florida, and an affiliated faculty member of Biomedical Engineering and Computer Science departments.

A world-renowned expert in global optimization, mathematical modeling, energy systems, financial applications, and data sciences, Pardalos is a Fellow of AAAS, AAIA, AIMBE, EUROPT, and INFORMS. He has received several prestigious awards, including the 2013 Constantin Caratheodory Prize for Global Optimization and the EURO Gold Medal. In 2018-2019, he was awarded the Humboldt Research Award for his lifetime achievements.

Pardalos is a member of several science academies and holds multiple honorary PhDs. He is the founding editor of Optimization Letters and Energy Systems and co-founded International Journal of Global Optimization and Computational Management Science. With over 600 journal papers and 200 books, he is one of the most cited authors in his field and has supervised 71 PhD students. More details can be found at www.ise.ufl.edu/pardalos.

He has delivered lectures and keynotes in over 40 countries worldwide, including the USA, China, Germany, Brazil, and Japan.

**Michal Černý**

Prof. RNDr. Ing. Michal Černý, Ph.D. is a professor of econometrics and operational research at the Department of Econometrics, Faculty of Informatics and Statistics, University of Economics, Prague. He holds degrees in Discrete Mathematics and Optimization from MFF UK and International Economic Relations from VŠE.

His research primarily focuses on specialized optimization problems and their complexity properties. In addition, he works in the statistical analysis of unique data types and models, including streaming data, interval data, and models with partial identification. Prof. Černý serves on the Scientific Council of FSV UK, the Scientific Council of FIS VŠE, and the Probability and Statistics, Econometrics, and Financial Mathematics Board at the Faculty of Economics, University of Economics.

Prof. Černý has led numerous research projects, including "Linear Programming with Inexact Input Data," "Narrow Big Data in Streams and Related Optimization and Identification Problems," and "Argmax-type Estimators from the Viewpoint of Optimization." He has also supervised several outstanding young researchers as a Ph.D. advisor.



1	Registration	8.30 – 10.00	Room: Lobby
2	Chair: Hossein Mossaei	10.00 – 12.30	Room: KC-C213
10.00–10.30	Opening talk Hossein Moosaei (General Chair of the MME 2024) Helena Brožová (President of ČSOV) Pavel Raška (Vice-Rector for Internationalization) Regina Herma (Vice-Dean for External and International Relations)		
10.30–11.30	Plenary talk – Panos Pardalos Artificial Intelligence for Economics and Finance		
11.30–12.30	Plenary talk – Michal Černý Linear Programming: Old and New Results, Old and New Challenges		
3	Lunch	12.30 – 13.30	Menza
4A	Chair: Josef Jablonský	13.30 – 15.00	Room: KC-C213
13.30–13.50	Oleh Kurinnyi and Lukáš Frýd From Petrochemicals to Produce: Unveiling the Fertilizer-Crude Oil Nexus		
13.50–14.10	Markéta Matulová Construction of a new DEA-based Composite Index for Circular Economy Assessment in the EU		
14.10–14.30	Dana Černá Wavelet Method for Pricing One-Stage Expansion Options Under Stochastic Volatility		
14.30–15.00	Josef Jablonský Re-Calculation of Scientometric Indicators of ORMS Journals by Non-Traditional Models		
4B	Chair: Helena Brožová	13.30 – 15.00	Room: KC-210
13.30–13.50	Tomáš Formánek and Jindřich Lacko Accessibility of Public Charging Infrastructure for Electric Vehicles Across Central European Countries: A Geospatial Analysis		
13.50–14.10	Marek Kvet and Jaroslav Janáček Swap Heuristic Parameter Sensitivity		
14.10–14.30	Tereza Chmelová An Approach for Solving Traveling Salesman and Vehicle Routing Problems in MS Excel		
14.30–15.00	Robert Hlavatý, Helena Brožová, Anna Selivanova and Tereza Sedlářová Nehézová Designing Optimal Transportation Patterns for Radiation Incident Recovery		

WEDNESDAY, SEPTEMBER 11, 2024

4C Chair: Dušan Hrabec**13.30 – 15.00****Room: KC-211**

- 13.30–13.50** **Imma Lory Aprea** A Diffused and Thickening Soil Monitoring Model for Evaluating the Impact of Climate Change on Agriculture
-
- 13.50–14.10** **Imma Lory Aprea and Gabriele Sbaiz**
A Neural Network-Particle Swarm Solver for Sustainable Portfolio Optimization Problems
-
- 14.10–14.30** **Nikola Kaspříková** Sentiment Analysis in Press Releases About the Czech Economy by Institutional Stakeholders
-
- 14.30–15.00** **Dušan Hrabec** Adaptive Large Neighborhood Search for Waste Collection: Fleet Size Composition for a Problem with Multiple Waste Fractions and Single Compartment Vehicles

4D Chair: Petr Fiala**13.30 – 15.00****Room: KC-C212**

- 13.30–13.50** **Martin Bod'a, Mariana Považanová, Michal Struk and Michaela Tichá**
Sensitivity of Genders to Economic Fluctuations
-
- 13.50–14.10** **Kevin Nowag** Efficiency Analysis of Grass Seed Multiplication in Germany: A Case Study of the Leading Company
-
- 14.10–14.30** **Jenn-Rong Lin** The Long-Term-Care Caregiver Routing and Scheduling Problem with Considerations of Stochastic Travel Times and Service Times
-
- 14.30–15.00** **Petr Fiala, Renata Majovská and Lorena Caridad López del Río**
Model of Network Interconnections

5 Coffee break**15.00 – 15.30****6A Chair: František Koblasa****15.30 – 17.00****Room: KC-213**

- 15.30–15.50** **Tereza Čapková**
Portfolio Analysis: Exploring Rank Length Metrics
-
- 15.50–16.10** **Petr Pokorný** Profit Allocation in a Multi-Echelon Closed-Loop Supply Chain: A Cooperative Game Theoretical Approach
-
- 16.10–16.30** **Blanka Bazsová and Lucie Chytilová**
Analysis of Traffic Accidents and Weather in the Czech Republic
-
- 16.30–17.00** **František Koblasa and Miroslav Vavroušek**
Flexible Job Shop Scheduling with Setup, Transportation and Planned Machine Idle Time

6B Chair: Jaroslav Janáček		15.30 – 17.00	Room: KC-210
15.30–15.50	Michaela Tichá and Martin Dlouhý A Coalition Formation as a Multicriteria Voting Game		
15.50–16.10	Andrea Galadíková, Marek Kvet and Maroš Janovec Using of the Simulated Annealing in the Decision Support System of the Railway Transport Nodes		
16.10–16.30	Markéta Šindlerová and Miroslav Hudec Exploring Fuzzy Functional Dependencies in Assessing Relationships between Criteria in EU ETS Impacts		
16.30–17.00	Jaroslav Janáček and Marek Kvet On-Line Learning Process for Setting of Heuristic Parameters		

6C Chair: Miroslav Žižka		15.30 – 17.00	Room: KC-211
15.30–15.50	Jiří Hozman and Tomáš Tichý Application of Chooser Options to Valuation of Investment Opportunities		
15.50–16.10	Jana Junová and Miloš Kopa Almost Stochastic Dominance Analysis of Mean-Variance Efficient Portfolios		
16.10–16.30	Pavel Beránek The Impact of Language-Based AI on Wealth Inequality: Insights from Multi-Agent Simulations		
16.30–17.00	Eva Štichhauerová and Miroslav Žižka Application of Conventional DEA and ZSG-DEA Models in University Budget Allocation		

7	Coffee break	17.00 – 17.30	
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8	ČSOV meeting	17.30 – 18.30	Room: KC-322
17.30–18.30	Meeting of the Czech Society for Operations Research		

9	Welcome evening	18.30 – 21.30	Menza
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10A Chair: Michal Černý**8.30 – 10.10****Room: KC-213****PhD student's competition**

8.30–8.50	Qian Gao An Empirical Efficiency Comparison of Downside Risk and Drawdown Risk in Dynamic Portfolio Optimization
8.50–9.10	Robert Szczyrbak Knapsack Problem for Build Spare Parts Stock
9.10–9.30	Michaela Sedláková Impact of Asset Price History on Price Volatility
9.30–9.50	Jan Volný Influence of Weights in Central Weight Vector on Additional Information in SMAA Method
9.50–10.10	Jialei Xiong Exploring Market Attention's Impact on Portfolio Optimization

10B Chair: František Zapletal**8.30 – 10.00****Room: KC-210**

8.30–8.50	Jan Rejthar Choking Hazard: Surviving the Heat of Competitive Counter-Strike
8.50–9.10	Petr Krautwurm Comparing Measures of Product Relatedness on Data from Czech Drugstore Retail Chain
9.10–9.30	Richard Kovárník The Relationship between Investment in Machinery, Employment, and Output of Forestry in Switzerland
9.30–10.00	František Zapletal, Miroslav Hudec, Marek Štěpán, Miljan Vučetić and Nina Barčáková Dependencies Between Criteria and Their Weights: A Reflective Analysis

10C Chair: Ondřej Sokol**8.30 – 10.00****Room: KC-211**

8.30–8.50	Lukáš Malec Applying the FIML Dynamic Structural Model in Tourism Industry
8.50–9.10	Pavel Pražák Discrete-Time Dynamic Exchange Rate Overshooting Model
9.10–9.30	Ondřej Šimpach Improvement of Methods of Fertility Rates Modelling
9.30–10.00	Ondřej Sokol, Vladimír Holý and Jan Pelikán Fractional Orienteering Problem with Mandatory Nodes: Ant Colony Heuristic

11 Coffee break**10.00 – 10.30**

12A Chair: Michal Černý**10.30 – 11.30**Room: **KC-C213****PhD student's competition**

- 10.30–10.50** **Vojtěch Vávra**
Comparison of Python Metaheuristic Packages
-
- 10.50–11.10** **Lukáš Veverka** Refining Fourier Approach with Constrained Parameter Estimation and Penalizing Seasonal Distortions
-
- 11.10–11.30** **Dominik Kavrik** A Comparative Analysis of SVAR and Traditional Filtering Methods in Output Gap Estimation

12B Chair: Lucie Chytilová**10.30 – 11.30**Room: **KC-C210**

- 10.30–10.50** **Benjamin Emmenegger, Miroslav Hudec, Zapletal František, Georgiana Bigea and Edy Portmann** Application of the Three-Level Aggregation Model for Evaluating Opinions Under Hesitance for Fuzzy Voting in Spatial Planning Public Decision-Making
-
- 10.50–11.10** **Dominika Tejnická Bordácsová, Jana Hančlová and Lucie Chytilová**
Generation and Analysis of Intralogistics Solution Scenarios
-
- 11.10–11.30** **Lucie Chytilová and Jana Hančlová**
The Energy Mix in Europe: A Panel Regression Analysis

12C Chair: Diana Bílková**10.30 – 11.30**Room: **KC-C211**

- 10.30–10.50** **Stanislav Letkovský, Sylvia Jenčová, Marta Miškuřová and Petra Vašaničová**
Comparative Analysis of Bankruptcy Prediction Models in Metallurgical Industry: Logistic Regression versus Artificial Intelligence Techniques
-
- 10.50–11.10** **Peter Knížat**
A Panel Analysis of the Economic Determinants of Military Spending
-
- 11.10–11.30** **Diana Bílková**
Welfare or Poverty of Czech Pensioners during the Energy Crisis: A Linear Regression Model

13 Lunch**11.30 – 12.30****Menza****14 Conference photo****12.30 – 12.40****In front of Menza****15 Conference trip****13.30 – 18.30****16 Conference dinner****20.00 – 23.00**

- 20.00–23.00** **Conference dinner at Krušnohorský Maskaron restaurant in Teplice, including the ceremony announcing the results of the PhD student's competition**

17	Morning coffee	8.00 – 9.30	CPTO Lobby
18	Faculty of Science tour	8.40 – 9.20	CPTO Lobby
19A	Chair: Martin Flégl	9.30 – 11.00	Auditorium 02
9.30–9.50	Jana Hančlová, Lucie Chytilová and Dominika Bordácsová Evaluating the Energy and Emission Efficiency of the 27 Countries of the European Union during the 2011–2022 Period Using DEA		
9.50–10.10	Martina Hedvičáková, Martin Pozdílek and Alena Pozdílková Analysis of Labor–Capital Substitution in Industry 4.0 Using the Cobb–Douglas Model: Strategic Decision–Making in Human Resources and Technological Investments		
10.10–10.30	Petr Chládek, Marika Hruběšová, Štěpán Mudra, Martin Polívka and Tomáš Roskovec Analysis of Strategy for the Secretary Problem with Cardinal Function Based on Job Specifications		
10.30–11.00	Martin Flégl, Carmen Lozano, Patrick Joaquín Cruz and Markéta Matulová Assessing Tourism Efficiency in Traditional Beach Touristic Centers in Mexico: Application of Dynamic Two–Stage DEA Model and Fuzzy Time Series Forecasting		
19B	Chair: Vladimír Holý	9.30 – 11.10	Auditorium 03
9.30–9.50	Jaromír Zahradka The Problem of Optimal Delivery of Frozen and Chilled Goods with Given Priority from Multiple Warehouses		
9.50–10.10	Jan Bartoška, Josef Kunhart and Jiří Pilný Extension of Planning Poker by Work Contour Models in Project Management		
10.10–10.30	Tomasz Brzeczek Review on Assortment Selection Problem Integrated with Capacitated Multi–Product Order Optimization		
10.50–11.10	Vladimír Holý Analyzing Determinants of Success in Ice Hockey World Championships		
19C	Chair: Lucie Chytilová	9.30 – 11.20	Auditorium 01
9.30–9.50	Ondřej Novák and Veronika Blašková Level of Efficiency of the Energy Industry in EU Countries		
9.50–10.10	Ondřej Novák and Michaela Staňková Level of Efficiency of the Tertiary Education Sector in the EU		
10.10–10.30	Lucie Chytilová and Hana Štverková A Two–Stage DEA Model for Evaluating the Efficiency of SMEs with Multi–Year Accounting Data		
10.30–10.50	Hossein Moosaei Maximizing Classification Efficiency: Integration of Optimization with Twin Support Vector Machine		
10.50–11.20	Lucie Chytilová and Michal Pažák Measuring and Analyzing the Technical Efficiency of Floorbal Players		
20	Lunch	11.30 – 12.30	Menza

MME **2024**

Navigation informations

Public transport

The conference takes place at the campus of UJEP University in Ústí nad Labem. If you are traveling to Ústí nad Labem by train, you can get off at two stations:

- Ústí nad Labem – hlavní nádraží
- Ústí nad Labem – západní nádraží

If you are traveling through public transport, you must board through the front doors. The doors are opened by pressing the button on the bus wall with the symbol <>. Exiting the bus should be done via any doors, without the front ones, since they are primarily for boarding. To exit at the stop, press the button with the symbol <> or the word "DVEŘE" on the bus handrails when the vehicle stops at the station.



Bus lines

The bus you take will depend on where you're arriving from. Bus numbers are displayed at every bus station.

If you are arriving from *Hlavní nádraží*, head to the bus stop "Mírové náměstí." The buses you should take are 70, 71, 81, 82 or 41 (night bus).

If you are arriving from *Západ*, go to the bus stop "Západní nádraží." Take buses 72 or 73, which will take you to the "Divadlo" stop. From there, you can use the same buses as mentioned before (70, 71, 81, 41).

The bus stop to which you are travelling is called **KAMPUS**



Tickets

You must have a valid ticket for the entire journey. Tickets can be purchased at some of bus stops (for example Mírové náměstí, Divadlo) in a ticket machine (contactless payment or cash) or directly on the bus using the ticket machine in bus near the driver (contactless payment card only).

On the terminal, select zone 101 (Ústí nad Labem, first option) and then the fare type "Obyčejná 45 minut". After paying by card, the ticket will be printed. The ticket is valid for 45 minutes from the time of printing, which is enough to reach the university campus. The price of the ticket is 24 CZK. Tickets purchased outside the terminal need to be validated on the bus using the ticket validation machine.

You can also purchase an SMS ticket by sending an SMS with the text "mdj" to 90206. You may board the bus only after receiving the SMS ticket, which should arrive within 2 minutes. The price of the SMS ticket is 26 CZK.



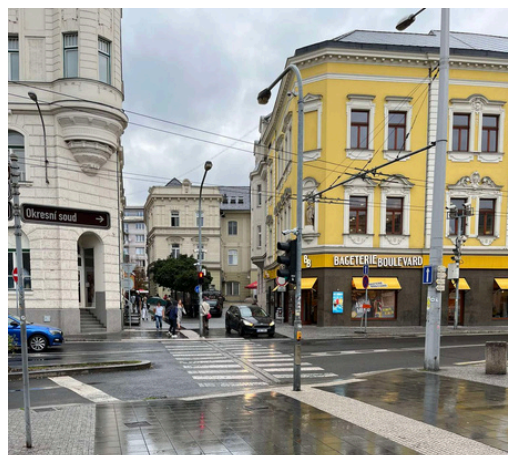
Ticket terminal outside



Ticket terminal in bus

From Ústí nad Labem – hlavní nádraží

Exit the main entrance of the train station and cross the street towards *Mírové náměstí* (the path goes slightly uphill). Cross the road to the bus stops. Look for the stop with bus/trolleybus numbers 70, 71, 81, and 82.



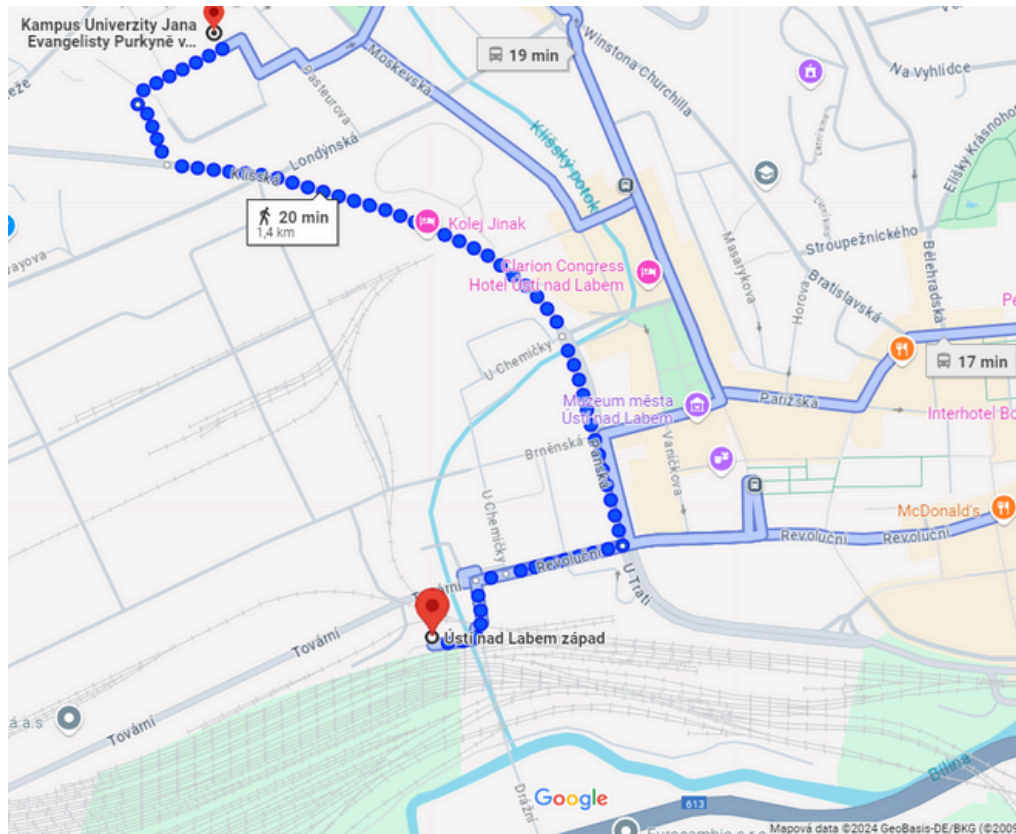
From Ústí nad Labem – západní nádraží

Exit through the main entrance of the train station, and you will find the bus stop right near the entrance. Board trolleybus number 72 or 73. Get off at the next stop, "Divadlo." There, you need to cross the street to find a different bus stop with the same name, "Divadlo," where you can take bus numbers 70, 71, 81, or 82. These buses will take you to the university campus.



Walking directions from Západoú nádraží

Go opposite the train station. You will see a parking lot on your right. Continue straight and veer slightly to the right to reach the main street. From here, turn left and follow the street all the way to the campus.



From the train station, go straight past the gray building.



Cross the parking lot to the opposite side.



At the end of the parking lot, turn left and continue straight on the main street.



Cross the street at the pedestrian crossing. You will need to press the button for the signal and wait for the green light to cross.



After a 5-minute walk, you will see the CPTO building. Cross the street towards the building.



Follow the sidewalk and head towards the CEMMTECH building.

Campus navigation



CEMMTECH building

Conference programme will take place here on Wednesday 11th and Thursday 12th. Your first steps should be here for registration.



Kampus bus stop

Here you will exit the bus.

CPTO building

Conference programme will take place here on Friday 13th.



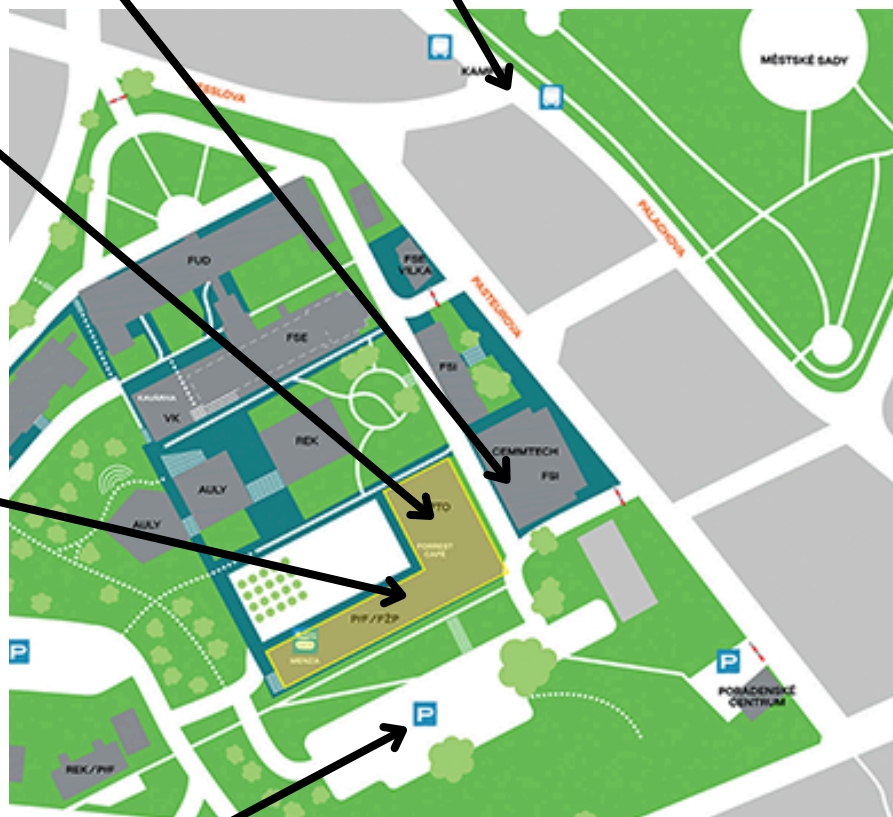
Menza building

Lunches and welcome drink will take place here.



Parking lot

For those with parking agreement.

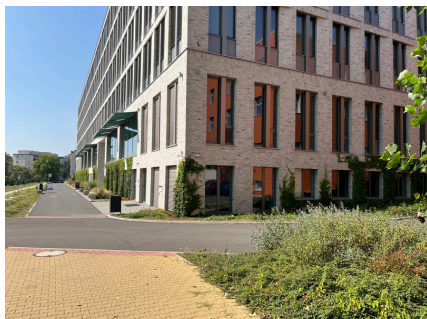


MME **2024**

Organization informations

Registration

Registration takes place in the CEMMTECH building on UJEP campus. When you enter the campus, you will see big grey building CPTO. Just around the corner is orange building CEMMTECH. You can register here on Wednesday 11th and Thursday 12th from 8.30 to 10.00.



CPTO building



CPTO building on the left and CEMMTECH on the right



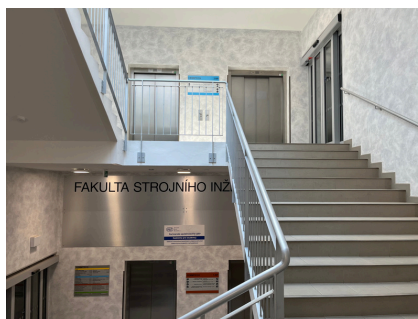
CEMMTECH building

CEMMTECH navigation

The programme in CEMMTECH building takes place on the second floor. From the registration desk go to the staircase from the first floor to second floor. Here are opposite to each other lecture halls and coffee break room. Plenary talks will be held in lecture hall on this floor. Every lecture hall has a room number right beside doors so you can pair it with programme and harmonogram of sessions printed on doors.



Staircase next to registration desk



On the left are lecture halls, on the right coffee break



CPTO building

CPTO navigation

The program in the CPTO building takes place on the first floor. From the entrance, turn left, and you will see three lecture halls. Each lecture hall will have a label, "Auditorium," with a number on the wall next to the door.



Opening ceremony and plenary talks

The opening ceremony and plenary session will take place on Wednesday, September 11th at 10:00, in the lecture room C213 on the second floor in CEMMTECH building.

Opening ceremony will be held by:

- Hossein Moosaei, General Chair of the MME 2024
- Helena Brožová, President of ČSOV
- Pavel Raška, Vice-Rector for Internationalization
- Regina Herma, Vice-Dean for External and International Relations

Plenary speakers will be:

- Panos Pardalos
- Michal Černý



Parallel sessions

Parallel sessions will take place on Wednesday 11th and Thursday 12th on the 2nd floor of the CEMMTECH building and on Friday 13th on the 1st floor of the CPTO building. It is expected that every paper included in the program will be presented. A computer with standard software and a data projector are available. Presentations should take 15 minutes, followed by space for 5 minutes of discussion. The same conditions will apply for the PhD students competition. The committee for this competition is composed of the selected members of the Czech Society for Operations Research.



All the parallel sessions are in the same hallway.

Meeting of the Czech Society for Operations Research

The meeting of the Czech Society for Operations Research is a closed meeting open only to members of the Society and invited guests. The meeting is chaired by Helena Brožová and takes place on Wednesday 11th from 17:30 to 18:30 in room C322 on the 3rd floor of the CEMMTECH building.



ČSOV meeting is on the 3rd floor.

MME **2024**

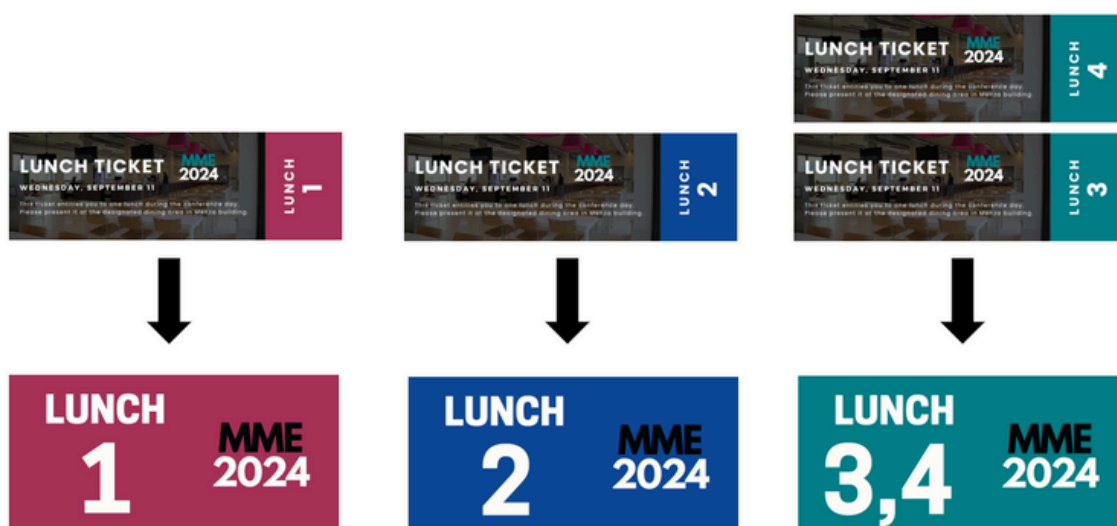
Lunches

LUNCH SERVING

Lunches will be served at Menza building right next to CPTO building.



There are 3 serving stations, each marked with a colored indication and the MME 2024 conference name. To receive your meal, simply go to the serving station that matches the color on your lunch ticket and hand it to the server.



After receiving your meal, feel free to sit wherever you'd like. In case of nice weather, you can even sit outside at the designated tables.

Enjoy your meal!

WEDNESDAY, SEPTEMBER 11

13:30 – 13:30

LUNCH 1

140g Fish & Chips, mashed potatoes, Carrot cream

LUNCH 2

150g Beef in tomato sauce, boiled pasta, Carrot cream

LUNCH 3 ★ **Vegetarian**

120g Variation of leaf salads with vegetables and fried camembert, Carrot cream

LUNCH 4 ★ **Gluten-free**

150g Serbian risotto with pork, pickled cucumber, Carrot cream

THURSDAY, SEPTEMBER 12

11:30 – 12:30

LUNCH 1

150g Beef with garlic, potato dumpling, spinach, Chicken broth with pasta and meat

LUNCH 2

200g Chicken cabbage-meat loaf, mashed potatoes, pickled cucumber, Chicken broth with pasta and meat

LUNCH 3 ★ **Vegetarian**

3pcs Blueberry dumplings with mint and curd, Chicken broth with pasta and meat

LUNCH 4 ★ **Gluten-free**

120g Pasta salad with chicken meat and vegetables, Chicken broth with pasta and meat

FRIDAY, SEPTEMBER 13

11:30 – 12:30

LUNCH 1

120g Burger with pulled pork, steak fries, garlic dip, White bean with sausage

LUNCH 2

100g Gnocchi with chicken meat, leaf spinach and cream, White bean with sausage

LUNCH 3 ★ **Vegetarian**

Vegetable lecho, boiled potatoes, White bean with sausage

LUNCH 4 ★ **Gluten-free**

180g Pork roasted shoulder in village style, potato dumpling, stewed sauerkraut, White bean with sausage

MME 2024

Social programme

Welcome evening, Wednesday 11th September

On Wednesday, 11th September, from 18:30 to 21:30, we invite you to join us for a welcome drink in the Menza building, where food and drinks will be served.

This gathering is a perfect opportunity to meet fellow attendees, engage in stimulating conversations, and build connections that will enhance your conference experience.

We look forward to welcoming you!



Conference dinner, Thursday 12th September

The conference dinner will take place on Thursday, 12th September, at the Krušnohorský Maskaron restaurant in Teplice. The food will be served in the form of a banquet.

The ceremony announcing the results of the PhD student competition will also be held during the dinner.

A bus will be available to transport participants from the conference venue to the restaurant and back. For your convenience, the return bus from Teplice will stop at several bus stations near hotels.



Coffee breaks, Morning coffee, Friday 13th September

Coffee breaks will be served in the room opposite the lecture halls in the CEMMTECH building. Waste disposal containers are also located in this area.

If you'd like to try our premium university coffee, we invite you to visit our ForRest Café, where you can enjoy free premium hot drinks. Simply show your name tag to the barista to place your order.

Morning coffee on Friday, 13th September, from 8:00 to 9:30, will be served only at the ForRest Café, alongside the excursion of the CPTO building, where you will have the opportunity to visit laboratories and selected departments.



THURSDAY, SEPTEMBER 12, 2024

1.Scenic Train Ride on the Humboldt Express to Doubravka Castle

Enjoy a charming journey on the Humboldt tourist train to Doubravka Castle in Teplice. This historical site offers breathtaking views of the surrounding area, perfect for capturing memorable photos. Please note that this excursion includes an exterior visit only, without a guided tour inside the castle

2. Tour of Expositions at the Teplice Botanical Garden

Explore the diverse expositions at the Teplice Botanical Garden. Stroll through beautifully curated outdoor areas that showcase a wide variety of plant species in their natural settings. Additionally, take the opportunity to visit the garden's greenhouses, where you'll find a collection of exotic and rare plants from around the world.

3. Visit to the Teplice Planetarium with a Starry Sky Projection and Presentation

Enjoy a captivating projection of the night sky and a presentation on the wonders of the universe at the Teplice Planetarium.

4. Visit to Duchcov Castle

The Casanova at the Castle tour includes a visit to the armory, the hunting cabinet, the porcelain room, the billiard hall, the rooms of the highest-ranking servants, Giacomo Casanova's apartment, and the library.

5. Tour of the Osek Cistercian Monastery

Explore the historic Osek Cistercian Monastery. Discover its rich architectural heritage, including the stunning Baroque church, cloisters, and tranquil gardens. Learn about the monastery's fascinating history and the life of the Cistercian monks.

6. Excursion to the Osek Brewery

Join us for an excursion to the Osek Brewery, where you will have the opportunity to explore the brewing process of local beers. After the tour, you can visit the brewery's restaurant.

8. Tour of Lehnschafter Mine

Explore the historic Lehnschafter Mine, one of the oldest and most extensive mining sites in the Mikulov ore region near Teplice. Dating back to the 13th century, this mine offers a truly immersive experience, taking you through narrow, hand-dug tunnels and steep medieval staircases. This tour is not for the faint-hearted or those with claustrophobia, mobility issues, or a fear of getting dirty – you will get dirty. The tunnels are narrow, some only 1.2 meters high, and the temperature is around 9°C, so warm clothing and sturdy footwear are essential.

WI-FI CONNECTION INFORMATION



Network name

MME2024

Password

Ujep.2024

To connect to the MME 2024 dedicated Wi-Fi, please select the correct Wi-Fi name (SSID) from the list of available networks and enter the provided password when prompted.

If you need assistance with connecting to the Wi-Fi, feel free to contact the organizers (students in grey shirts) at any time during the conference.