



Ekonomická  
fakulta  
Faculty  
of Economics

Jihočeská univerzita  
v Českých Budějovicích  
University of South Bohemia  
in České Budějovice

---

# Conference Practical Book

---

37<sup>th</sup> International Conference on  
Mathematical Methods in Economics 2019

České Budějovice | September 11–13, 2019



# Welcome

The organizers of the 37<sup>th</sup> International Conference on Mathematical Methods in Economics (MME 2019) are honoured to host this annual conference at the University of South Bohemia in České Budějovice, the Czech Republic. The MME 2019 is a premier event in the fields of Operations Research and Econometrics in the Czech Republic, organized under the auspice of the Czech Society for Operations Research, the Slovak Society for Operations Research, and the Czech Econometric Society. It brings together researchers and practitioners in the industrial and institutional sectors sharing recent theoretical and applied results.

The local organization committee and programme committee look forward to welcome you to České Budějovice for exciting and inspiring days together at MME 2019!

## Local Organizing Committee

Michal Houda (chair)	Klára Vocetková
Jana Klicnarová	Ludvík Friebel
Nikola Soukupová	Richard Mikitin
Milada Holoubková	Martina Matějčková

# České Budějovice

České Budějovice were founded in 1265 by King Ottokar II of Bohemia in the center of a valley of the Vltava River, in order to create a counterbalance to the powerful noble House of Rosenberg playing an important role in the region since the end of the 12<sup>th</sup> century. Nowadays, with 95,000 habitants, it is the largest city in South Bohemia and 7<sup>th</sup> largest city of the Czech Republic. It plays the role of natural centre of the South Bohemian region from many point of view, including political, commercial or cultural area.

Since the foundation, the city was famous especially for its brewery tradition. The largest brewery, Budweiser Budvar, was founded in 1895 and immediately build up its name around the world. The second brewery, Budweiser Bürgerbräu (Samson), is even older, founded in 1795 by the German-speaking burghers of the city. There are several other small breweries in the city, one of them even as the part of the Faculty of Agriculture of the University of South Bohemia.

Apart from the brewery tradition, the city offers many other interesting attractions as architectural monuments around the large Ottokar II Square, including the 16<sup>th</sup> century Black Tower and Gothic Church of the Presentation of the Blessed Virgin Mary (the oldest building in the town). You may visit the Museum of South Bohemia (founded 1877) holding a large collection of historic books, coins, weapons and other articles, or the Museum of the Horse-Drawn Railroad Line connecting České Budějovice to Linz (the second oldest public line in continental Europe, constructed from 1824 to 1832).

The near surrounding of the city also deserves your attention: the Tudor-style castle in Hluboká nad Vltavou (10 km), UNESCO World Heritage Sites Holašovice (16 km) and Český Krumlov (22 km), or the spa town Třeboň (22 km).

## University of South Bohemia

The University of South Bohemia in České Budějovice was founded in 1991 following the long tradition of educating teachers and university experts in various fields of agricultural production, theological studies and the tradition of fish farming and fisheries. Nowadays it consist of eight faculties coupling nearly 10,000 students and 1,000 academic and research workers.

The conference is organized by the Faculty of Economics, established in 2007 but holding the tradition of economic university education in České Budějovice

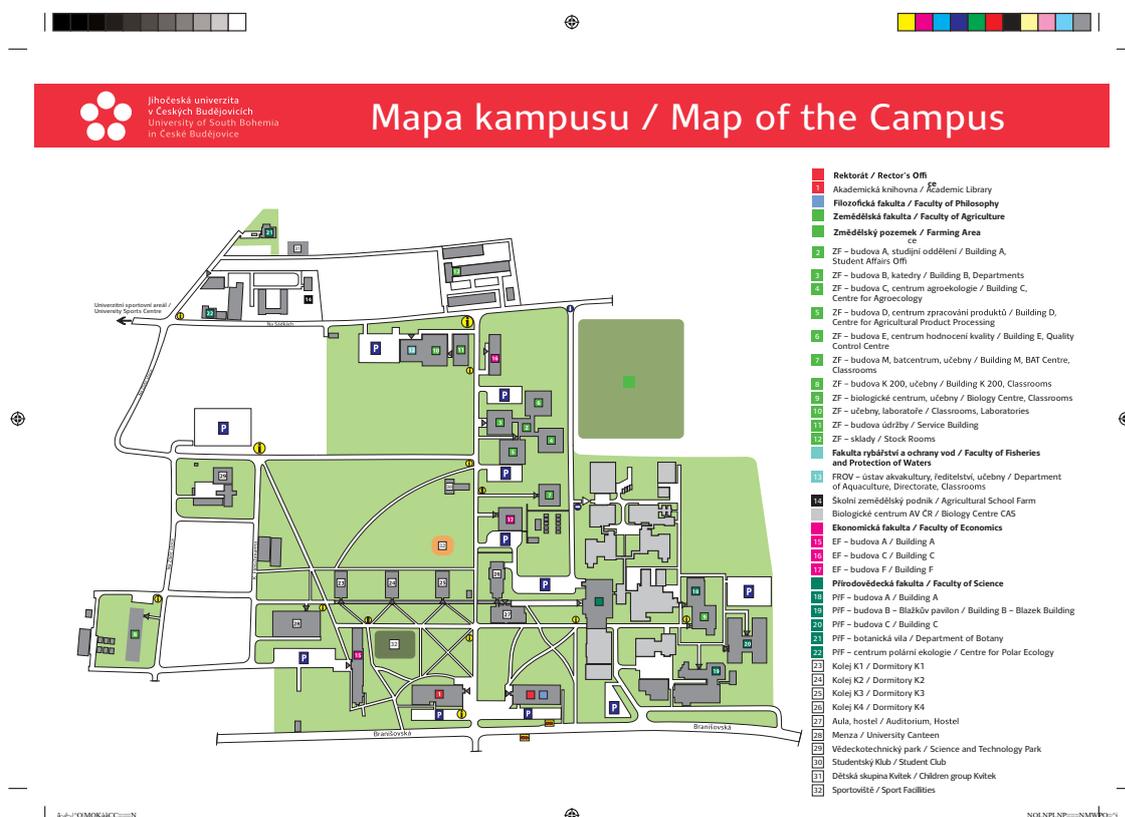
developed since the 1960's. The Faculty of Economics represents a significant educational and research institution which establishes an independent and creative environment supporting the knowledge of economic disciplines, the creation of innovations, and transfer and capitalisation of knowledge based on the mutual cooperation of teachers, students and representatives of the business sphere and public institutions from South Bohemia, the Czech Republic and from abroad.

On behalf of the conference crew, we hope you will enjoy the conference, the university, and your stay in České Budějovice!

# Venue, Maps, and Transportation

## Conference Venue

The faculty, and the conference place, is located at the central university campus *Čtyři Dvory*. The map of the university campus can be downloaded at [https://www.jcu.cz/o-univerzite/zazemi-a-sluzby/kampus/mapa\\_kampusu.pdf](https://www.jcu.cz/o-univerzite/zazemi-a-sluzby/kampus/mapa_kampusu.pdf).



All the plenary and regular sessions will take place in the **building F** (building no. 17 on the map). Other places related to the conference:

- Building A (no. 15): Tuesday's early registration
- University Canteen "Menza" (no. 28): lunches, welcome evening
- Parking places (accessible for conference participants): in front of Building A (no. 15) and behind the Science and Technology Park (no. 29)



# Social Events

## Welcome Evening

The Welcome Evening starts on Wednesday 11 at **19:00** in the ground floor of the University Canteen "Menza". Follow the map of the campus (building no. 28). During the evening, you can enjoy an accompanying music production of traditional South Bohemian sounds. The Welcome Evening is planned to end around 22:00. Take the opportunity to discuss various professional and social matters with your colleagues and friends!

## Conference Trip

The organizers are proud to invite you to the conference trip to the **Kleť Mountain**. The trip includes the commented visit of the Kleť Observatory and the conference dinner at the Kleť Restaurant.

### Kleť Mountain

Kleť is, with its 1084 metres, the biggest mountain of the Blansker Forest, located in South Bohemia between České Budějovice, Český Krumlov, and Prachatice. It is a favorite target of the tourist from over the region to a great nature (being promoted a nature reserve from 1956), nice views from the Joseph Tower (built 1822–1825 as the first stone watchtower in Bohemia), or technical monuments as the aerial funicular, astronomical observatory, TV transmitter, or the highest located sundial in the Czech Republic (installed 1973).

### Kleť Observatory

Founded in 1957, it is the one of few natural science centers of Southern Bohemia. It benefits especially from the advantageous climate conditions and the location more than 500 m above all the neighbouring cities without lighting pollution. The scientific program specializes to the follow-up astrometry of near earth and other unusual objects observations in which the observatory belongs to the most successful observatories in the world. In 1978, the minor planet 2199 was named Kleť as the tribute to the effort of Kleť's researchers.

## Trip Organization

The transport from České Budějovice to Krasetín is organized by buses. The meeting point is the front of the **building A** of the Faculty of Economics (building no. 15 on the map of the campus). The buses will leave the meeting point at **13:45** – please be on time there. Shortly after, one of the buses will also make the stop at the “Na Sádkách” street (convenient for those staying at hotels in the city center), between the ICZ building and the bus parking “Na Dlouhé louce”.

The buses will arrive at Krasetín, namely at the parking station of the bottom station of the **Kleť aerial funicular**. Most of the participants will take the funicular to the top of the mountain. The funicular does *not* have closed cabins – *don't forget to take a windbreaker* for the case of windy weather and lower temperatures.

Optionally, you may take approximately 5 km long hiking from Krasetín to the top of the mountain – in that case, equip yourself with appropriate clothing and shoes. For an overview of possible routes, follow this link to the tourist map of the Kleť surrounding. You may also join and follow one of our organizers who will hike too and choose the right way for you.

At the top, the commented visit of the **observatory** is prepared for all the participants. Due to the capacity of the observatory, the participants will be split into two groups. The two sessions start at **15:15** and **16:00**. Feel free to enjoy the Kleť surrounding in the remaining time.

*We apologize the non-Czech speaking participants* – for technical reasons, the commentary in the observatory will be held in the Czech language only. Nevertheless, you may still visit the observatory and exploit the English version of its official website where many information about the observatory and its scientific program is provided in English and German.

## Conference Dinner

The trip continues with the dinner prepared for the participants in the restaurant of **Theresa's Chalet**. The chalet was build in 1925 next to the Joseph Tower, and holds the name after its patron, Theresa von Schwarzenberg. Nowadays, it serves as the tourist base, pension, hostel, and the restaurant for the general public.

The dinner will start approximately at **16:45**. After the dinner, the funicular will be run again to take the participants down back to the bus parking at Krasetín. Unfortunately, the funicular can operate only at daylight, so it is necessary to leave the restaurant in time. The funicular will go down **from 18:30 to 19:15**. Next, the buses will leave Krasetín at 19:15 and 19:30 and will come to České Budějovice around 20:00. Then, you can enjoy yourself the night life in the city center, tasting for example the famous Budweiser beer ...

# Practical Information

## Programme and Abstracts

The conference abstract book together with an updated version of the schedule, and the conference proceedings will be available online at the conference website. To save the money and the resources, we do not provide neither the abstract book nor the conference proceedings in printed form – if you anyway need either one, please inform the organizers immediately by e-mail.

## Contributions

Every standard presentation will take **20 minutes including 2 minute discussion**. Please obey these rules in order to prevent unsuitable time delays. The chair of the session is responsible to notify the speaker if the time is approaching the time limit.

We provide a computer with PDF/Powerpoint viewers attached to a beamer. Internet connection is also available. Bring your presentation before the start of the section to our staff which will be present at every lecture room during the conference. If you require your own laptop to be connected to beamer, please inform the organizers by e-mail in advance to ensure this possibility.

The chairs of each session are mentioned in the time schedule – please check in advance if you are in concern. The role of the chair is to ensure that all the speakers are present at the beginning of the session, that their presentation are uploaded, and to manage individual presentation of the speakers. The working language of the conference is English.

## Coffee Breaks and Lunches

Coffee breaks will be served in Room F1 of the building F according to the time schedule of the conference.

The lunches for all days of the conference (soup, main dish, salad, beverage) are served on the 1st floor in the University Canteen “Menza” (building no. 28). The lunch time is also indicated by the time schedule.

## **WiFi**

*Eduroam* network is accessible in the university campus to those with a username and password for the eduroam service. Otherwise, ask for the help at the registration desk.