

2nd CEACM MSF



24-26 June, 2026
Budapest, Hungary



CONFERENCE INFORMATION

Welcome the 2nd CEACM MSF conference held in Budapest, Hungary, on 24-26 June 2026! In this leaflet you will find information about the conference venue, program and events, the city, Budapest University of Technology and Economics (BME) which hosts the event, and the Central European Association for Computational Mechanics (CEACM).

About Budapest

Budapest was officially formed in 1873 from the merger of Buda, Pest, and Óbuda, but its history spans over two millennia, from Celtic settlements to a modern European capital. (see <https://en.wikipedia.org/wiki/Budapest>)

The area of present-day Budapest was first settled by Celtic tribes in the 4th century BC. Around AD 100, the Romans founded Aquincum, which became the capital of the province of Pannonia Inferior. After the Romans were expelled in the 5th century, the region was ruled by the Huns, Avars, and other tribes until the Magyars (Hungarians) arrived in 896, establishing permanent settlements.

By the 12th century, Buda and Pest began to develop as separate towns, benefiting from settlers from France, Germany, and Wallonia. Buda became the capital of the Kingdom of Hungary in the 14th century and flourished under King Matthias Corvinus (1458–1490). The late 17th and 18th centuries saw recovery and prosperity under Habsburg rule, with Buda and Pest gradually expanding. On 17 November 1873, the three cities of Buda, Pest, and Óbuda were united to form Budapest. The city experienced rapid growth, including the opening of continental Europe's first underground metro in 1896. Budapest suffered during World War II, followed by Soviet occupation and Communist rule, and witnessed the 1956 Hungarian Revolution. In the latter half of the 20th century, reconstruction and modernization transformed Budapest into a cultural and economic hub. Budapest is now the political, cultural, and economic center of Hungary, known for its historic architecture, the Danube River, and UNESCO World Heritage sites. Its long history reflects a blend of Celtic, Roman, medieval Hungarian, Ottoman, and Habsburg influences, making it a vibrant European capital.



Tourist information

Budapest has plenty of attractions and touristic events. See more details in [Budapest Travel & Tourism Guide - Tourist information of Budapest Hungary](#)

Budapest University of Technology and Economics

The Budapest University of Technology and Economics (BME) is one of the oldest technical higher education institutions in Hungary. The direct predecessor of the Budapest University of Technology and Economics is the Institutum Geometrico-Hydrotechnicum, founded in 1782, which was the first institute in Europe to train engineers in university structure. (Further details at <https://www.bme.hu/en>.) The Faculties of BME are



Faculty of Civil Engineering

Founded: 1782



Faculty of Mechanical Engineering

Founded: 1871



Faculty of Architecture

Founded: 1873



Faculty of Chemical Technology and Bio technology

Founded: 1873



Faculty of Electrical Engineering and Informatics

Founded: 1949



Faculty of Transportation Engineering and Vehicle Engineering

Founded: 1951



Faculty of Natural Sciences

Founded: 1998



Faculty of Economic and Social Sciences

Founded: 1998

Nobel Prize winners associated with BME

Over the years, BME has many distinguished scholars, including Nobel laureates, Olympic champions acquiring the knowledge and inspiration that laid the foundation for their groundbreaking achievements worldwide. Our Nobel Prize Winners:

- Dénes Gábor** Hungarian physicist, mechanical engineer, electrical engineer, who was a student at BME between 1918 and 1920. In 1947 he invented holography, for which he was awarded the Nobel Prize in Physics in 1971.
- György Oláh** Professor of chemistry György Oláh received his doctorate from BME in 1949 and was awarded the Nobel Prize in Chemistry in 1994 "for his contribution to carbocation chemistry".
- Jenő Wigner** Physicist Jenő Wigner enrolled at BME in 1920. He was awarded the Nobel Prize in 1963 for "advancing the theory of nuclei and elementary particles".
- Ferenc Krausz** Ferenc Krausz graduated in electrical engineering from BME in 1985. In 2023, he was awarded the Nobel Prize in Physics for the first attosecond pulse of light to be produced and measured.

Central European Association for Computational Mechanics



The Central European Association for Computational Mechanics (CEACM) association is a non-profit organization, which was established at the University of Leipzig in 1992. The members of CEACM are the national chapters of the following Central European countries: Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Hungary, Slovakia, Slovenia. More information on CEACM [here](#).

2nd CEACM MSF – Multiscale Modeling of Solids and Fluids

The main idea of this conference series is to provide a platform for recent advances from mechanics and applied mathematics in a currently very active research domain of multi-scale modelling and computations in solid and fluid mechanics. The latter involves methods which bridge phenomena taking place at multiple scales in space and time and which ought to be placed in interaction or accounted for simultaneously in order to provide the most reliable explanations.

This class of problems calls for the development and combination of different analytical tools (homogenization, asymptotic analysis) and computational methods (parallel computing, stochastic analysis) in order to advance the field towards currently relevant nonlinear applications. A number of different schools have developed in various domains of fluids and solids, both in mathematics and mechanics, with sometimes very little or no interaction between them.

It is an explicit goal of this thematic conference, in the true spirit of CEACM, to bring these different communities together, and thus provide a sound basis for a fruitful exchange of ideas among them.

The conference seeks also to provide a platform for learning from some of the worlds' leading specialists in analysis and design of complex engineering structures and systems, coming from aerospace, civil and mechanical engineering, material science, and in the design and analysis of numerical algorithms from applied mathematics. The main goal is elaborating the multi-field and multi-physics approach, which has significantly modified previously firm frontiers among these traditional engineering disciplines.

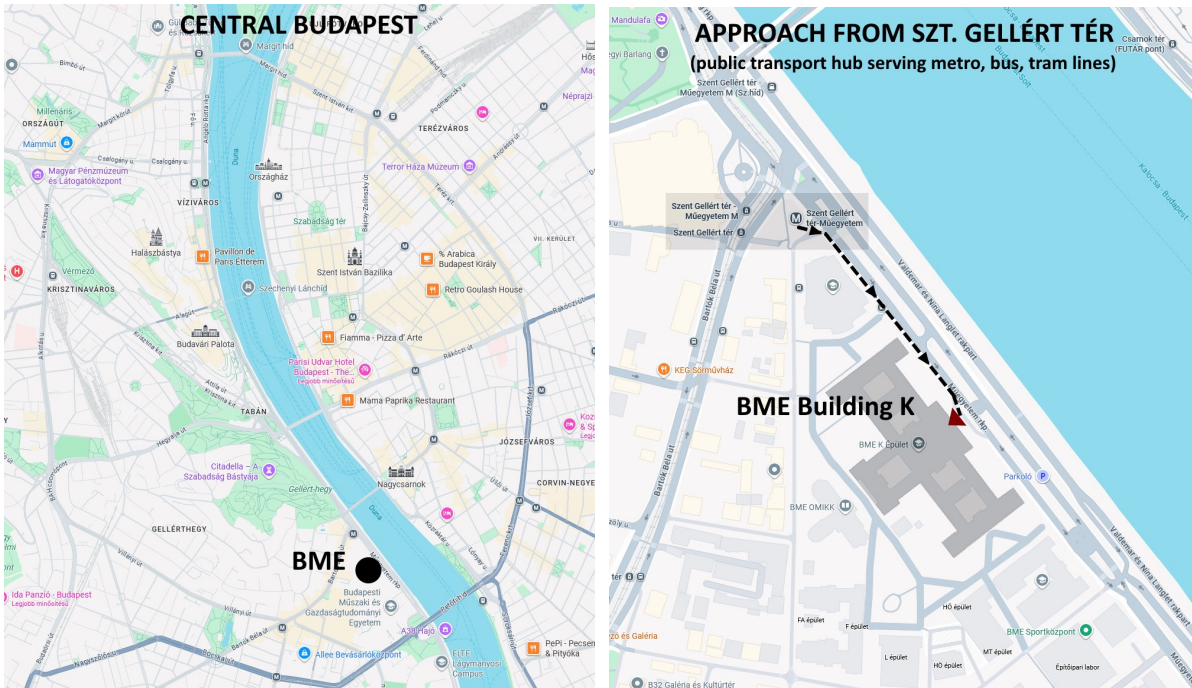
Proceedings and special issue

- Accepted abstracts are published online and available in mobile app as well.
- Accepted mini-papers will be included in the proceeding of conference upon signing a copyright agreement. Each paper will receive a DOI and be archived by the National Technical Information Centre and Library (OMIKK) at BME.
- Authors of all presented papers are invited to submit **original contributions** for the Special Issue of *Periodica Polytechnica – Civil Engineering*, the SJR Q2 ranking journal of the Faculty of Civil Engineering, indexed in WoS, Scopus, Scimago, etc. The details of these submissions will be sent the presenters later.

Conference venue

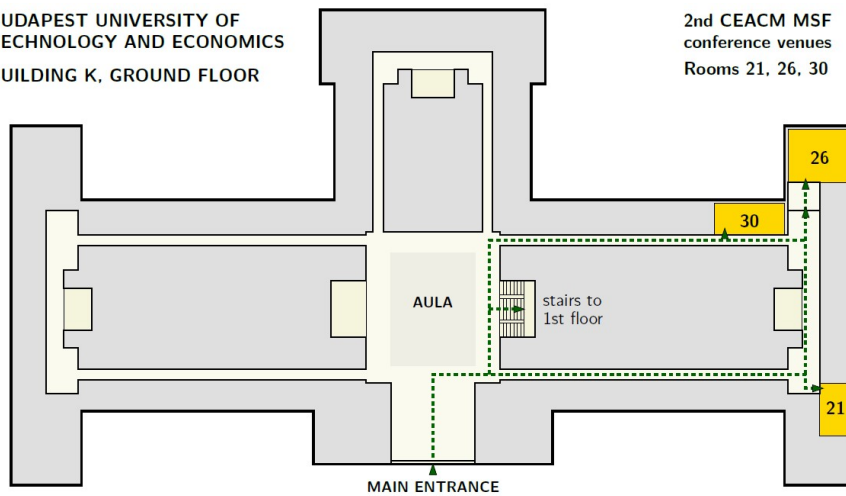
The 2nd CEACM MSF – Multiscale Modeling of Solids and Fluids Conference will be held at the Faculty of Civil Engineering, Budapest University of Technology and Economics (BME), in the Central Building (Building K). Street address of the venue is, Műegyetem rkp. 3. Budapest, Hungary.

The figures below show the location of BME in central Budapest, the most convenient approach to Building K from Szt. Gellért tér, an important public transport hub serving metro, bus, and tram lines, and a schematic diagram of Building K with the locations of the lecture rooms.



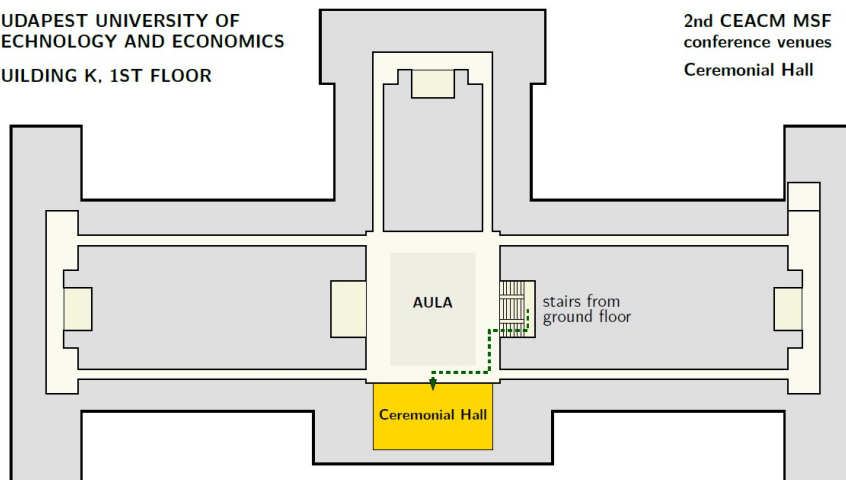
**BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
BUILDING K, GROUND FLOOR**

**2nd CEACM MSF
conference venues
Rooms 21, 26, 30**



**BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
BUILDING K, 1ST FLOOR**

**2nd CEACM MSF
conference venues
Ceremonial Hall**



Instructions for chairs and presenters

Keynote lectures are allotted 40 minutes in total consisting of 35 minutes for the presentation and 5 minutes for questions/comments and answers. All keynote lectures are to be broadcasted at the university system.

Oral presentations in the sessions are allotted 20 minutes each including the presentation in 15 minutes followed by questions and answers in 5 minutes.

A data projector and a laptop are provided in the conference lecture rooms (**21, 26** (Oltay Lecture Room), and **30**), all located on the ground floor of Building K as shown in the figure. All keynote and short-lecture presenters are requested to upload their presentation .pptx or .pdf files from a portable device (e.g. USB stick) in the room of their presentation during the break before the session, or 30 minutes before the start of the day's program. The use of own computers is not provided due to possible technical compatibility issues and the strict time schedule of the presentations. The room coordinators assist authors in uploading the presentation files.

Registration desk and services

The registration desk will be located in the area in front of the **Oltay Room (26)** of the Faculty Civil Engineering, where the main events of the conference are held, and it will be open as scheduled in the conference program. Name badges provided at registration are required for entry to all conference events and should be worn throughout the conference events.

WiFi internet access is provided for the participants via Eduroam if they are eligible. Further information on WiFi options can be requested on site.

Catering is provided in the breaks between the sessions. Coffee breaks for each morning and afternoon during the conference program, as well as lunch on June 24 and 25, are included for all registered participants.

Welcome Reception

All registered participants are cordially invited to the Welcome Reception on the first conference day (24 June) hosted by Conference Organizers. The Welcome Reception will take place at the lobby of the main conference room (Oltay Room) on Wednesday, June 24 from 17:40 to 19:30. The reception will provide a unique networking opportunity for the participants and will enable all to become acquainted with colleagues and invited speakers from all around the world.

Conference Banquet and Award Ceremony

The Gala Dinner will be held on Thursday, June 25, at 19:30 at the Ceremonial Hall on the 1st floor in Building K. The Gala Dinner is included for regular participants in the conference fee. Sponsored participants have to buy ticket. Further details will be provided at the desk. During the Gala Dinner different CEACM Awards will be conferred.