



CESARE'24

Coordinating Engineering for Sustainability and Resilience

Timisoara, Romania, 29-31 May 2024

First Announcement

Organized by

Politehnica University of Timisoara
Department of Steel Structures and Structural Mechanics



Romanian Academy



In cooperation with

University of Birmingham



**Jordan University of
Science and Technology**





SCOPE AND OBJECTIVE

The Organizing Committee is pleased to announce the 4th International Conference "Coordinating Engineering for Sustainability and Resilience" CESARE 2024 co-organized by the Steel Structures and Structural Mechanics Department of the Politehnica University of Timisoara, in co-operation with the Romanian Academy, the School of Engineering of the University of Birmingham and Faculty of Engineering of the Jordan University of Science and Technology.

The CESARE 2024 Conference is devoted to the presentation of the most recent results and to the discussion of key issues concerning the contribution of Coordinating Engineering to Sustainability and Resilience in modern and future built environment, constructions, and infrastructure.

One of the main goals of CESARE 2024 is to promote an exchange of ideas that inspires innovative research paths and fosters new collaborative endeavors. We expect CESARE 2024 to have an impact on the future research and development activity in all topics included in the program. You are warmly invited to actively participate in the Conference.

TOPICS

In particular, the CESARE 2024 topics will cover the following topics, but not limited:

- Structural materials
- Structural engineering
- Structural robustness
- Earthquake engineering
- Fire engineering
- Risk assessment
- Impact of climate change on the built environment
- Sustainable resilience of systems in the built environment
- Building physics
- Environmental engineering
- Smart cities
- Circular economy
- Sustainable product design
- Design strategies for product design and engineering
- Innovation in materials, products and systems
- Integration of renewable energy at building and small urban area scales
- Restoration and rehabilitation of monuments and historical buildings
- Sustainable infrastructures
- Wind energy structures
- Facade engineering
- Green technology for civil engineering
- Green buildings
- Waste management





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LANGUAGE

English will be the official language for both oral and printed contributions.

PROCEEDINGS

Authors are invited to submit 200-300 words abstracts of papers on the topics listed above between now and the deadline given below. The abstracts should clearly highlight the aims and conclusions of the respective studies. Both abstracts and full papers will be reviewed by outstanding experts in the field and the procedure will conform to the standards required for peer-reviewed conference papers. All accepted papers will be presented during working sessions. Oral presentation is the unavoidable condition for the publication of a paper in the Proceedings. The Proceedings will be published in an outstanding publishing house. The publication of an international journal special issue is also being considered – it would include full-length versions of selected papers presented at the Colloquium. The email address is CESARE2024@upt.ro.

IMPORTANT DATES

Abstract submission:	30 th June 2023
Abstract acceptance:	15 th July 2023
Full paper submission:	15 th December 2023
Peer review:	15 th January 2024
Full paper acceptance:	31 st January 2024
CESARE'24:	29 th – 31 st May 2024

CITY OF TIMIȘOARA

The oldest settlements in Timisoara area are more than 7500 years old. The first documentary evidence of Timisoara dates from 1212, under the name of Castrum of Tymes (Timis fortress). The first stone fortress was built between 1307 and 1315 on the orders of Hungarian king, Carol Robert, Prince of Anjou. In 1552 Timisoara fortress was conquered by the Ottoman army and the whole surrounding area was transformed into an Ottoman province. On 1716, the Austrian Habsburg troops led by Prince Eugene of Savoya have liberated the city which later became a free imperial city in December 1781. In 1918, in accordance with the Versailles peace treaty, the Timisoara City and Banat Province became part of Romania. In the 20th century Timisoara became a metropolis with more than 400000 inhabitants that concentrate the economical, commercial, demographic and cultural interest of a large area, in this part of Romania. On December 16th 1989 Timisoara was the place where the anti-Communist revolution started.

CONTACT

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