

2<sup>nd</sup> International Conference on Mathematical Modelling in Mechanics and Engineering ICME2024 aims to bring together leading academic scientists, researchers, and research scholars to exchange and share experience and research results on various aspects of mathematical modelling in mechanics and engineering. It will bring an interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, theories, and algorithms, as well as practical challenges encountered and solutions adopted in the fields of Classical Mechanics, Solid and Fluid Mechanics, Computational Mechanics, Biomechanics, Applied Mathematics and Physics, Structural Mechanics and Engineering.

The ICME2024 conference will be held on the premises of the Mathematical Institute of the Serbian Academy of Sciences and Arts (Kneza Mihaila 36, 11000 Belgrade, Serbia) and online via the available platforms of the Mathematical Institute of the Serbian Academy of Sciences and Arts.

**Participation at this event is free of charge**

#### ORGANIZING COMMITTEE

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## Mathematical Institute of the Serbian Academy of Sciences and Arts



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#### Submission

The official language of the ICME2024 will be English. Authors have to use the **Word template** for abstract preparation. The extended abstracts for proposed presentations should be written in English. Abstracts prepared according to the conference requirements should be submitted before **May 20<sup>th</sup> 2024**, to the conference E-mail:

[icme@mi.sanu.ac.rs](mailto:icme@mi.sanu.ac.rs)

#### Publications

ICME2024 conference accepts original, previously unpublished works. All submitted abstracts will be reviewed by the International Scientific Committee. Accepted contributions will be published in the Book of Abstracts. The full papers of the selected contributions will be published after the review process in Web of Science and SCOPUS indexing journals.

<https://www.mi.sanu.ac.rs/~icme/icme2024/>



**Mathematical Institute of the Serbian  
Academy of Sciences and Arts**  
**Belgrade, 12 - 14 September, 2024.**

2nd International Conference on  
Mathematical Modelling in  
Mechanics and Engineering

**Extended deadline for  
abstract submission  
May 20th 2024**

#### **Co-organizers:**

- Faculty of Mechanical Engineering, University of Belgrade
- Faculty of Mechanical and Civil Engineering in Kraljevo, University of Kragujevac
- Scientific Society for Engineering Design, Simulations and Innovations (EnDIS)

## Topics:

The main topic of the conference covers contributions to mathematical modelling in all areas of mechanics and engineering, especially in:

- General Mechanics
- Solid and Fluid Mechanics
- Computational Mechanics
- Nonlinear Mechanics
- Biomechanics
- Mechanics of Machines and Mechanisms
- Control and Robotics
- Mechanical and Aerospace Engineering
- Civil Engineering
- Materials Engineering
- Wave Propagation in Mechanical Systems and Metamaterials
- Applied Mathematics and Physics
- Artificial Intelligence in Engineering
- Interdisciplinary and Multidisciplinary Engineering Problems

## Special sessions:

- **Fluid Mechanics**

dedicated to Academician Prof. dr Vladan Djordjevic

- **Reanalysis and Simulation of Mechanical Systems** (Chairs: Prof. Nataša Trišović, Prof. Wei Li)

- **Mechanics of Materials**

(Chair: Prof. Marina Trajković Milenković)

## „Prof. Vladan Djordjevic“ award

Authors aged up to 35 of contributions in the field of fluid mechanics presented in person are eligible for the “Prof. Vladan Djordjevic” award for young scientists. The laureate of the award will be announced at the conference’s closing ceremony.

## INTERNATIONAL SCIENTIFIC COMMITTEE

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- Prof. Bojana Rosić (Netherland)
- Prof. Milan Bižić (Serbia)
- Prof. Ana Pavlović (Italia)
- Dr Snežana Vulović (Serbia)
- Prof. Jelena Svorcan (Serbia)
- Prof. Đorđe Čantrak (Serbia)
- Dr Ivana Atanasovska (Serbia)



## Plenary Speakers:

- Academician Prof. Teodor Atanacković, Serbian Academy of Sciences and Arts, Serbia
- Prof. Emil Manoach, Institute of Mechanics, Bulgarian Academy of Sciences, Bulgaria
- Prof. Saša Kenjereš, Delft University of Technology, Netherlands
- Prof. Miha Brojan, Faculty of Mechanical Engineering, University of Ljubljana, Slovenia
- Prof. Vasilios Spitas, National Technical University of Athens, Greece
- Prof. Wei Li, School of Mathematics and Statistics, Xidian University, China

## Invited Speakers:

- Prof. Lobna Said, School of Engineering and Applied Science, Nile University, Egypt
- Dr Ana Pavlović, Alma Mater Studiorum University of Bologna, Italy
- Prof. Valery Pylypchuk, Wayne State University, USA
- Prof. Vitomir Racić, Faculty of Civil Engineering, University of Belgrade, Serbia
- Prof. Raúl Martínez Cuenca, Universitat Jaume I, Spain
- Dr. Dharmendra Tripathi, National Institute of Technology, Uttarakhand, India
- Prof. Dragoslav Šumarac, State University of Novi Pazar, Serbia

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