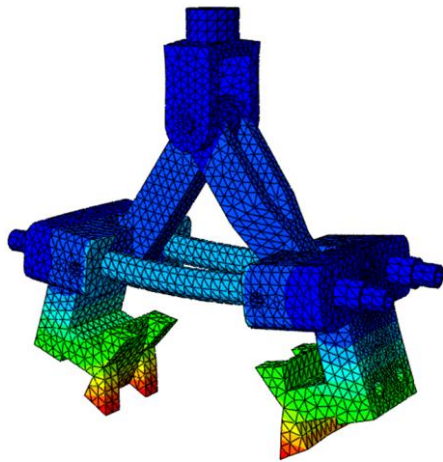


**29<sup>th</sup> Polish-Slovak  
Scientific Conference on  
Machine Modelling  
and Simulations  
MMS 2024**



**3<sup>th</sup>-6<sup>th</sup> September, 2024  
Złoty Potok, Poland**

**Organized under the auspices of the Rector  
of Czestochowa University of Technology**

## First announcement

Dear Colleagues,

The 29<sup>st</sup> International Polish-Slovak Conference on **Machine Modelling and Simulations 2024** continues in Poland and will be held from 3<sup>th</sup> to 6<sup>th</sup> of **September, 2024** in Złoty Potok near Czestochowa.

This international conference was established in 1996 and is held annually since then.

## Scientific Committee

Prof. Jerzy Bajkowski (PL)  
Assoc. Prof. Michał Bembenek (PL)  
Prof. Jozef Bocko (SK)  
Assoc. Prof. Maciej Bodnicki (PL)  
Assoc. Prof. Vladimír Dekýš (SK)  
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Assoc. Prof. Elżbieta Gawrońska (PL)  
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Prof. Michal Hatala (SK)  
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Prof. Janusz Mielniczuk (PL)  
Prof. Bernhard Möglinger (DE)  
Prof. Darina Ondrušová (SK)  
Prof. Mariana Pajtašová (SK)  
Prof. Wiesława Piekarska (PL)  
Prof. Ján Piteľ (SK)  
Prof. Bogdan Posiadała (PL)  
Prof. Milan Sága (SK)  
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Prof. Norbert Sczygiol (PL)  
Assoc. Prof. Ksawery Szykiedans (PL)  
Assoc. Prof. Krzysztof Talaśka (PL)  
Prof. Eva Tillová (SK)  
Prof. Nicolae Ungureanu (RO)  
Assoc. Prof. Milan Vaško (SK)

Prof. Ján Vavro (SK)  
Assoc. Prof. Ján Vavro jr. (SK)  
PhD. Eng. Konrad J. Waluś (PL)  
PhD. Eng. Dominik Wilczyński (PL)  
PhD. Eng. Dominik Wojtkowiak (PL)  
Prof. Zhang Yan (CHN)  
Dr.h.c. Prof. Jozef Zajac (SK)  
Prof. Robert Zalewski (PL)  
Dr.h.c. Prof. Jozef Živčák (SK)

## Organizing Committee

Assoc. Prof. Tomasz Domański - chairman  
Prof. Wiesława Piekarska - honorary chairman  
Assoc. Prof. Piotr Boral  
Assoc. Prof. Elżbieta Gawrońska  
Assoc. Prof. Marcin Kubiak  
PhD. Eng. Robert Dyja  
PhD. Eng. Zbigniew Saternus  
PhD. Eng. Leszek Sowa  
PhD. Eng. Maria Zych

## Main Topics

- Methods and systems in machine design, CAD, CAM and CAE
- Modelling and simulation, structural optimization
- Machine dynamics and multibody systems simulations
- Experimental mechanics, identification and validation
- Modelling of structural materials, composites and nanomaterials
- Physical and chemical properties of materials
- Advanced industrial applications
- Theoretical and applied mathematics and physics in engineering

## Conference Secretariat

**Zbigniew Saternus, PhD. Eng.**

Department of Mechanics and Machine Design Foundations  
Faculty of Mechanical Engineering and Computer Science  
Czestochowa University of Technology  
Dąbrowskiego 73, 42-201 Czestochowa, Poland  
Phone: +48 34 3250649  
E-mail: [mms2024@mmsconf.eu](mailto:mms2024@mmsconf.eu), <https://www.mmsconf.eu>

## Important Dates

- **31 March 2024** - Deadline for registration and abstract submission (**final deadline extended to 15 April 2024**)
- **15 April 2024** - Notification of acceptance
- **10 June 2024** - Deadline for submission of full paper
- **30 June 2024** - Deadline for conference fee payment
- **22 August 2024** – Program conference

## Accommodation & Venue

Accommodation of conference participants will be provided at „Hotel Kmicic Belvedere & SPA”, in Złoty Potok village located in Jura of Kraków-Częstochowa. Hotel Kmicic Belvedere & SPA is located about 40 km from Częstochowa (GPS 50.702951588012645, 19.433240013490472). This hotel is a fully equipped conference and recreation facility with Wellness & SPA zone. There are three fully air-conditioned and well-equipped conference rooms.

<https://www.hotel-kmicic.pl/>



Złoty Potok is a beautifully village located in the northern part Jura of Kraków-Częstochowa. The picturesque scenery encourages active forms of tourism.



The main organizer of the conference is Faculty of Mechanical Engineering and Computer Science, Częstochowa University of Technology, Poland.



<http://www.wimii.pcz.pl>

The faculty has the longest history and the richest traditions among all the faculties of Częstochowa University of Technology. Didactic process and scientific activity are realized in 6 Department: Department of Computer Science, Department of Mechanics and Fundamentals of Machine Design, Department of Mathematics, Department of Thermal Machinery, Department of Technology and Automation, Department of Intelligent Computer Systems. Each department has numerous didactic and research laboratories, provided with modern equipment and computer software.

## Conference fees

Participants	450€ / 2100 PLN (VAT included)
PhD. Students	350€ / 1700 PLN (VAT included)

The conference fee includes:

- *journal publications and book of abstracts*
- *conference materials*
- *participation in all scientific sessions*
- *snacks and coffee*
- *welcome reception and closing banquet*
- *landscape tour*

Accommodation and food are additionally paid by cash or by credit card at venue of a conference (Visa and Mastercard):

- 1600 PLN/person - one participant in a room,
- 1400 PLN/person - two or three participants in a room.

Number of participants is limited. Date of the registration will be decisive.

## Payment

The participation fee payment should be made before **30<sup>th</sup> of June, 2024** via the bank transfer to the account.

### Payment information in € / PLN:

Bank name: BNP Paribas Bank Polska

SWIFT: PPABPLPK

IBAN: PL 06 1750 1211 0000 0000 0416 8728

Details of Payment: Name\_Surname\_MMS2024\_1.0151

Client: Częstochowa University of Technology,  
Dąbrowskiego 69, 42-201 Częstochowa, Poland

## Publications of the papers

Research papers with high scientific value, accepted by journal's Editor after receiving positive peer reviews, will be published in the one of journals, chosen by the participant:

- *Acta Mechanica et Automatica,*
- *Acta Physica Polonica A,*
- *Journal of Applied Mathematics and Computational Mechanics,*
- *Journal of Machine Engineering,*
- *Strojniški vestnik – Journal of Mechanical Engineering.*

There are limited number of papers accepted in each scientific journal. Scientific Committee and Organizing Committee may finally decide whether the article will be suitable for each journal.

## Conference Contributions

Conference contributions will include invited lectures (30 min) and contributed papers (15 min).

The conference languages are English, Slovak, Polish with no simultaneous translation service.

## Presentation contest

Participants will take a part in the contest for the best presentation. Among the work presented during the conference, the jury will select three best presentations. For more information on the contest, visit the conference website <https://www.mmsconf.eu>.