

**Department of machinery and energy
Faculty of Mechanical Engineering
Jan Evangelista Purkyně University
in Ústí nad Labem
and**

Czech Society for Mechanics

Cordially invite you to the 8th International Conference



**EXPERIMENTÁLNÍ A VÝPOČTOVÉ METODY
EXPERIMENTAL AND CALCULATION METHODS**

The conference is held under the auspices
prof. Ing. Stefan Michna, PhD.
Dean of FME UJEP
in **Ústí nad Labem**
Czech Republic
August 30, 2021

<http://www.konference-fsi.cz/evm2021>

Conference Section

- Engineering, robotics and automation
- Energy and electricity

Conference topics

- Development of experimental, numerical and analytical methods in mechanics, biomechanics, thermo and hydromechanics
- New methods and their applications in the analysis of deformations and stresses of machine structures
- Experiment as a tool for verification of analytical and numerical methods
- Experimental research and prediction of strength, service life and operational reliability of structures and equipment
- Tracking and monitoring of operating loads and operating conditions of structures and equipment
- Use of applied mathematics and physics in technology
- Development and application of new methods in engineering technology
- Use of collaborative robots to solve current tasks and processes
- Robotization and its implementation for industrial applications
- New trends in production process control systems in relation to industry 4.0
- Electromobility and hydrogen technologies for transport
- Renewable energy sources and energy storage
- Microgrids and island power systems

Conference language

- Czech, English

Conference papers

Selected articles will be published in the journal MANUFACTURING TECHNOLOGY (SCOPUS)

The paper template and other important information are listed on the conference website:

(<http://konference-fsi.cz/evm2021/publikace.php>).

Competition for the best contribution of the author of individual sections. The main author of the entry up to 35 can participate in the competition for the best contribution of the EVM 2021 section (competition for valuable prizes).

Participant fee (with VAT)

Conference fee: 100 EUR

Ph.D. students have a **10 % discount**, accompanying persons (without publication) have a **20 % discount**.

Publication costs for an article in the journal Manufacturing Technology (Scopus):

According to the current exchange rate (150 EUR) It is paid in addition to the conference costs directly to the magazine.

Important dates

- by September 3, 2021 - Registration and abstract submission
- by 6 September 2021 - Confirmation of abstract approval
- by 14 September 2021- Deadline for sending the paper to the proceedings
- by 16 September 2021 - Confirmation of acceptance of the contribution to the proceedings
- by 30 September 2021 - Deadline for payment of the entry fee and date of the conference

Conference venue

Faculty of Mechanical Engineering
Department of Machinery and Power
Engineering
Na Okraji 1001
Ústí nad Labem
400 96
Czech Republic



Due to the COVID pandemic, this year's conference will take place online

Scientific Committee

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Faculty of Mechanical Engineering, JEPU, Ústí nad Labem, CZ
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Faculty of Mechanical Engineering, University of Žilina, Žilina, SK
- dr hab. inż. Rafał Talar
Faculty of Mechanical Engineering, Poznan University of Technology, Poznań, PL
- doc. Ing. Miloslava Tesařová, Ph.D.
Faculty of Electrical Engineering, UWB in Pilsen, CZ
- doc. RNDr. Tomáš Zdráhal, CSc.

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Faculty of Mechanical Engineering, University of Žilina, Žilina, SK
- Ing. Bc. Vladislav Sít'ář, Ph.D.
Faculty of Mechanical Engineering, JEPU, Ústí nad Labem, CZ
- dr inż. Marcin Suszyński
Faculty of Mechanical Engineering, Poznan University of Technology, Poznań, PL
- Ing. Martin Svoboda, Ph.D.
Faculty of Mechanical Engineering, JEPU, Ústí nad Labem, CZ
- Ing. Jan Štěrba, Ph.D.
Faculty of Mechanical Engineering, JEPU, Ústí nad Labem, CZ

Professional guarantor of the conference

Ing. Martin Svoboda, Ph.D.

- +420 475 285 532 martin.svoboda@ujep.cz
Faculty of Mechanical Engineering, JEPU, Ústí nad Labem, CZ

Chairman of the organizing committee

Ing. Vít Černošlávěk

- vit.cernohlavek@ujep.cz
Faculty of Mechanical Engineering, JEPU, Ústí nad Labem, CZ

Preparatory and organizing committee

Ing. Jan Štěrba, Ph.D.

Ing. Martin Kantor, Ph.D.

Ing. Bc. Vladislav Sít'ář, Ph.D.

Conference Secretariat

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