

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 10th 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

June 14. - 16., 2023

<https://konference-fsi.cz/evm2023/en/>

UNIVERZITA J. E. PURKYNĚ V ÚSTÍ NAD LABEM

Fakulta strojního inženýrství



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, Slovak, English**

Conference papers

Selected articles will be published in the magazine MANUFACTURING TECHNOLOGY (SCOPUS and included in the WoS database)

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

(<http://konference-fsi.cz/evm2023/publikace.php>).

Competition for the best contribution by the author of each section. The main author of a contribution under the age of 35 can participate in the competition for the best contribution of the EVM 2023 section (competition for valuable prizes).

Participant fee (with VAT)

Conference fee: 240 EUR

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

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

According to the current exchange rate (**250 EUR**) It is paid in addition to the conference costs directly to the magazine.

Important dates

- by May 2, 2023 - Registration and abstract submission
- by May 9, 2023 - Confirmation of abstract approval
- by June 5, 2023 - Deadline for sending the paper to the proceedings
- by June 19, 2023 - Confirmation of acceptance of the contribution to the proceedings
- by June 13, 2023 - Deadline for payment of the entry fee
- June 14 - 16, 2023 - Date of the conference

Conference venue

Faculty of Mechanical Engineering CEMMTECH building

Department of Machinery and Power Engineering

**Faculty of Mechanical Engineering
Jan Evangelista Purkyně University**

Pasteurova 3334/7
Usti nad Labem
400 96
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