



**September 29<sup>th</sup> – October 1<sup>st</sup> 2021**

**Litomyšl, Castle hill , Czech Republic**

Department of Mechanics, Faculty of Civil Engineering

CTU in Prague

and

Czech Society for Mechanics

Expert Group of Experimental Mechanics

organize

the 59<sup>th</sup> International Scientific Conference

## **Experimental Stress Analysis**

with auspices prof. Ing. Jiří Máca, CSc. – Dean of Faculty of Civil Engineering

### **Conference Objective**

This international conference is mainly focused on sharing professional experience and discussing new theoretical and practical findings. The objective of the conference is to identify the current situation, exchange experience, establish and strengthen relationships between universities, companies and scientists from the field of experimental stress analysis and numerical modelling in mechanical engineering. The conference will host a competition of young scientists (up to 35 years) on the best presented paper and poster. The winners will be financially awarded by the Czech Society for Mechanics and by the University. This year is organized mainly as a meeting after a long time when the meeting was not possible. The aim is to hold a contact meeting. However, the autumn development of the epidemic situation may be caused by the transfer of the conference to the online environment.

The Scientific and Organizing Committee dedicates this year's conference to the memory of Professor František Plánička, Chairman Emeritus of the Experimental Mechanics Expert Group at ČSM, a long-time organizer and regular participant in the Experimental Stress Analysis conference series.

### **Scientific Program**

- Development of experimental methods in mechanics
- Development of experimental methods in biomechanics
- New methods and applications of deformation and stress analysis in mechanical structures
- New methods and applications of deformation and stress analysis in civil and other structures
- Experiment as a tool for the verification of analytical and numerical methods
- Experimental research and prediction of strength, life and operational reliability of structures and devices

- Monitoring of operational loadings and operational states of structures and devices
- Mechanics of advanced materials, composites and 3D print materials
- Methods and means of teaching experimental methods

### Conference Publications

Accepted contributions will be presented in the form of papers or posters. Conference official languages are English, Czech and Slovak. All accepted contributions after peer-review will be send for indexing in Scopus database.

### Important Dates

**30<sup>th</sup> July 2021** – Deadline for online registration (EAN web <https://mech.fsv.cvut.cz/ean> )

**15<sup>st</sup> August 2021** – Deadline for extended abstract submission

**21<sup>st</sup> August 2021** – Notification of abstract acceptance

**31<sup>st</sup> August 2021** – Deadline for the final paper submission

**31<sup>st</sup> August 2021** – Deadline for conference fee payment (Conference Partners web form <https://www.conferencepartners.cz/EAN2021/form>)

### Conference Committee

prof. Ing. Nikolaj Ganev, CSc.

prof. RNDr. Miroslav Hrabovský, DrSc.

prof. Dr. Ing. František Holešovský

prof. Ing. Stanislav Holý, CSc.

prof. Ing. Josef Jíra, CSc.

prof. Ing. Milan Růžička, CSc.

doc. Ing. Peter Frankovský, PhD.

doc. Ing. Radim Halama, Ph.D.

doc. Ing. Róbert Huňady, PhD.

doc. Ing. Tomáš Návrat, Ph.D.

doc. Ing. Iva Petříková, Ph.D.

doc. Ing. Pavel Padevět, Ph.D.

doc. Ing. Miloš Vlk, CSc.

doc. Ing. Robert Zemčík, Ph.D.

Ing. Karel Doubrava, Ph.D.

Ing. Lubomír Houfek, Ph.D.

Ing. Kamil Kolařík, Ph.D.

Ing. Aleš Lufinka, Ph.D.

Dr. Ing. Roman Růžek

Ing. Jaroslav Václavík

### Registration Fee

Conference fee is **6500 CZK** (or 270 EUR). The fee includes conference proceedings (electronic form), participation at scientific events, refreshment and catering during the conference. The fee for accompanying persons is **3500 CZK** (or 150 EUR). This fee includes participation for accompanying persons in events during the conference, refreshments, lunches, dinners.

Bank details and other information for the fee payment will be shown to participants after her/his registration.

### Contact

Doc. Ing. Pavel Padevět, Ph.D.

E-mail: [ean@mauna.cz](mailto:ean@mauna.cz)

Tel.: +420 224 254 484

<https://mech.fsv.cvut.cz/ean>

## **Accommodation**

The Accommodation is arranged by the participants individually. Accommodation options are, for example:

<https://www.zamecke-navrsi.cz/cs/m-42-ubytovani-v-litomysli>