

Brno University of Technology
Faculty of Mechanical Engineering

and

Czech Society for Mechanics
Expert Group of Experimental Mechanics

organize

The 57th International Conference Experimental Stress Analysis

Hotel Harmonie, Luhačovice
Czech Republic, June 3–6, 2019

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.

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
- Methods and means of teaching experimental methods