



**Deadline for full papers: 30.10.2019**

**FEES: Participants: 250 LEI / 2 papers**  
**Additional papers: 50 LEI / paper**  
**PhD students: 100 LEI / paper**  
**Accompanying persons: 100 LEI / person**  
**Sight-seeing program: 150 LEI / person**

**Conference site:**

**<https://sites.google.com/view/comatcomec/home>**



## TOPICS

- Mechanics of Solids
- Calculus Methods in Mechanics of Solids
- Advanced Mechanics in Robotics;
- Tribology and Micro-Nano Systems;
- Optimal Design of the Mechanical Systems.
- Acoustics and Vibrations
- Indoor ambient acoustics;
- Acoustics systems of road, air and rail
- Vibrations of structural systems
- Mechanical vibrations of technological equipment
- Isolation and dissipation systems for seismic actions on buildings, bridges and viaducts
- Mathematical Modelling in Mechanics of Solids.
- Experimental Methods involved in validation of Computational Methods
- Finite Element Method, Boundary Element Methods, Mesh less Methods, Multiscale Methods, Optimization Methods and Sensitivities, Discretization Methods, Mathematical Foundations, High Performance Computing, Inverse Problem, Visualization;
- Experimental Methods involved in Computational Solid Mechanics (Material Modelling, Finite Deformations and Localization, Micromechanics and Multiscale Modelling, Nanomechanics, Nonlinear Analysis of Structures, Multibody Dynamics and Robotics, Composite Structures, Structural Optimization);
- Experimental Methods applied in Composites Materials and Industrial Engineering Applications;
- Experimental Methods applied in Biomechanics (Biosolid Modelling, Modelling of Biofluids, Multiscale Modelling, Medical Imaging and Modelling, Medical Applications);
- General Engineering problems solved by mean of Classical and Modern Experimental Methods.
- Innovative structural systems;
- Sustainability and life-cycle
- Composite Materials and Application

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**The 43<sup>rd</sup> International Conference  
on MECHANICS OF SOLIDS  
ICMS 2019**

**The 8<sup>th</sup> International Conference on  
COMPUTATIONAL MECHANICS  
AND VIRTUAL ENGINEERING  
COMEC 2019**

**ICMS COMEC 2019  
21-22 NOVEMBER 2019  
BRAŞOV**



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