



ROMANIAN ACADEMY OF TECHNICAL  
SCIENCES

ROMANIAN SOCIETY OF APPLIED  
MECHANICS – SRMTA

ROMANIAN ACOUSTIC SOCIETY  
„TRANSILVANIA” UNIVERSITY OF BRAŞOV.  
Department of MECHANICS

The 42<sup>th</sup> International Conference  
on “Mechanics of Solids, Acoustics  
and Vibrations” - ICMSAV 2018

The 7<sup>th</sup> International Conference on  
“Advanced Composite Materials  
Engineering” - COMAT 2018

The 2<sup>nd</sup> International Conference  
“Experimental Mechanics in  
Engineering” – eMECH 2018

**DEADLINES:** Deadline for max. 200  
words abstract submission: 5.10. 2018.  
Deadline for full papers: 20.10.2018  
**FEES:** 200 LEI (max. 2 papers). Additional  
papers 50 LEI/paper.



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**TOPICS**

- Composite Application in Automotive Engineering;
- Ceramic Matrix Composites;
- Environment and Renewable Energy;
- Composites in Civil Engineering;
- Composites in Transportation;
- Damage and Fatigue of Composites and Applications in Automotive Industry;
- Fibres; Modelling; Nanocomposites;
- Fracture and Failure in Composites;
- Mechanical Properties of Composites;
- Metal Matrix Composites; Interface;
- Natural Composites – Biomaterials;
- Non-Destructive Testing of Composites;
- Polymer Matrices; Smart Composites;
- Composite Materials in Biomechanics Industrial Applications;
- Material behaviour including bond, durability, fatigue and long-term performance
- Fabrication, processing and testing methods; Full-scale testing;
- Analysis and design;
- Structural shapes and fully composite systems with Applications in Automotive Engineering;
- Innovative structural systems;
- Sustainability and life-cycle cost;
- Mathematical Modeling in Mechanics of Solids
- Acoustics systems of road, air and rail
- Vibrations of structural systems
- Soil behavior analysis



It is held in honor of the 70th birthday of  
Professor **Polidor BRATU**

**25-26 OCTOBER 2018**

**BRAŞOV**

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