



## 2<sup>nd</sup> International Conference on Advanced Research in Engineering

October 28, 2022  
Craiova, Romania

The aim of the conference is to provide a platform for researchers, engineers and PhD students involved in the general area of mechanical engineering and industrial engineering as well as robotics, mechatronics and interdisciplinary fields, to exchange their latest research results and exchange views on the future research directions of these fields.



### Organized by

**University of Craiova**  
**Faculty of Mechanics**  
**Doctoral School "Acad. Radu Voinea"**

### Conference Chairs

Prof.dr.eng Daniela Tarnita  
Prof.dr.eng Nicolae Dumitru  
Prof.dr.eng Ilie Dumitru

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Prof.dr.eng. Tarnita Daniela - University of Craiova, Romania  
Prof.dr.eng. Vaida Calin - Technical University of Cluj-Napoca, Romania

### Topics

- Advanced processing technologies in industrial engineering
- Applied Thermodynamics, Heat Transfer. Thermal Systems
- Automotive. Engine and Transmission. Road Safety
- Biomechanics
- Biomedical engineering
- Computer-aided design and manufacturing
- Experimental mechanics
- Mechanisms and Machines Design
- Mechatronics
- Modeling and simulation in mechanical engineering
- Robotics
- Modeling, analysis and simulation of the manufacturing processes
- Technology and engineering management

### Keynote speakers

Prof.dr.eng. **Dorel Banabic** - Technical University of Cluj Napoca, Romania  
Prof.dr.eng. **Giuseppe Carbone** - University of Calabria, Italy  
Prof.dr.eng. **Dumitru Mazilu** - National Institute of Health, USA  
Prof.dr.eng. **Eugen Rusu** - University "Dunarea de Jos" of Galati, Romania  
Prof.dr.eng. **Americo Scotti** - University West, Sweden  
Prof.dr.eng. **Dan Stoianovici** - Johns Hopkins University, USA

### Important Dates

- May 25, 2022 -- Full paper submission
- June 15, 2022 -- Notification of acceptance
- July 15, 2022 -- Submissions of final paper

### Local Organizing Committee

Prof.dr.eng. Tarnita Daniela; Prof.dr.eng. Dumitru Nicolae; Prof.dr.eng. Dumitru Ilie  
Prof.dr.eng. Savu Danut; Prof.dr.eng. Rosca Adrian; Conf.dr.eng. Geonea Ionut  
Eng. Marinache Gabriela

### Presentation and Publication

The conference will be organized **online or mixed** (physical and online), depending on the conditions of the pandemic evolution. The official language of the conference is English. Each paper will be peer reviewed, and the papers selected by the Scientific Committee will be published in journals indexed in international databases: **Acta Technica Napocensis (indexed WOS)- Special Issue; Romanian Journal of Technical Sciences. Applied Mechanics (indexed BDI); Annals of Welding Equipment and Technology (indexed Scopus); Ingineria Automobilului (indexed WOS); Bulletin of the Transilvania University of Brasov, Series I - Engineering Sciences (indexed EBSCO).**

### Registration fee – Free for charge!

For detailed up-to-date information, please visit the conference website:  
Website: <http://mecanica.ucv.ro/CARE2022/index.html>

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