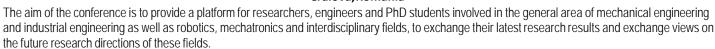


# **CARE 2022**

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











### 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

#### International Scientific Committee

Prof.dr.eng. Alexandru Catalin - Transilvania University of Brasov, Romania Prof.dr.eng. Balc Nicolae - Technical University of Cluj-Napoca, Romania

Prof.dr.eng. Benga Gabriel - University of Craiova, Romania Prof.dr.eng. Bica Marin - University of Craiova, Romania Prof.dr.eng. Bizdoaca Nicu- University of Craiova, Romania

Prof.dr.eng. Burnete Nicolae - Technical University of Cluj-Napoca, Romania

Prof.dr.eng. Calbureanu Madalina - University of Ćraiova, Romania Prof.dr.eng. Carbone Giuseppe – University of Calabria, Italy

Prof.dr.eng. Chiru Anghel - Transilvania University of Brasov, Romania

Prof.dr.eng. Clenci Adrian- University of Pitesti, Romania Conf.dr.eng.Copilusi Cristian - University of Craiova, Romania

Prof.dr.eng. Cristea Luciana - Transilvania University of Brasov, Romania

Conf.dr.eng. Craciunoiu Nicolae - University of Craiova, Romania

Prof.dr.eng. Doicin Cristian Vasile - Politehnica University of Bucharest, Romania

Prof.dr.eng. Doroftei Ioan - Transilvania University of Brasov, Romania

Prof.dr.eng. Dumitru Ilie - University of Craiova, Romania Prof.dr.eng. Dumitru Nicolae - University of Craiova, Romania Conf.dr.eng. Geonea Ionut - University of Craiova, Romani Prof.dr.eng. Gruionu Lucian - University of Craiova, Romania

Prof.dr.eng. lordachita Iulian - Johns Hopkins Whiting school of engineering, US

Prof.dr.eng. Jaliu Codruta - Transilvania University of Brasov, Romania

Prof.dr.eng. Marghitu Dan- Auburn University, US

Prof.dr.eng. Marin Mihnea - University of Craiova, Romania

Prof.dr.eng. Mereuta Elena - "Dunarea de Jos" University of Galati, Romania

Prof.dr.eng. Pires Ines – Technical University of Lisbon, Portugal

Prof.dr.eng. Pisla Doina - Technical University of Cluj-Napoca, Romania Conf.dr.eng. Racila Laurentiu – University of Craiova, Romania

Conf.dr.eng. Rosca Adrian Sorin - University of Craiova, Romania Prof.dr.eng. Rusu Eugen - "Dunarea de Jos" University of Galati, Romania

Prof.dr.eng. Savu Danut - University of Craiova, Romania Conf.dr.eng. Savu Sorin - University of Craiova, Romania Prof.dr.eng. Saracin Ion - University of Craiova, Romania

Prof.dr.eng. Scutelnicu Elena - "Dunarea de Jos" University of Galati, Romania

Prof.dr.eng. Selisteanu Dan - University of Craiova, Romania

Prof.dr.eng. Stan Cornel – West Saxon University of Zwickau, Germany

Prof.dr.eng. Stanescu Marius - University of Craiova, Romania Prof.dr.eng. Tabacu Ion- University of Pitesti, Romania 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

#### 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; Annals of Welding Equipment and Technology (indexed Scopus);

Romanian Journal of Technical Sciences. Applied Mechanics (indexed BDI); Ingineria Automobilului (indexed WOS); Bulletin of the Transilvania University of Brasov, Series I-Engineering Sciences (indexed EBSCO)

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

# Correspondence address

Prof.dr.eng. Daniela Tarnita Conference CARE\_2022

Email: care2022.conference@gmail.com