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VIETNAM NATIONAL UNIVERSITY, HANOI

INSTITUTE OF MECHANICS
VIETNAM ACADEMY OF SCIENCE AND TECHNOLOGY

PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON
**ENGINEERING MECHANICS
AND AUTOMATION**
(ICEMA 2021)

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Engineering Mechanics and Automation plays a vital role in nearly every industry, from aerospace and automotive to energy, manufacturing, robotics, and biotechnology. In the past decade, Engineering Mechanics and Automation have experienced substantial improvements with a change of focus in terms of scale, span, and applications. Besides, new requirements in terms of design efficiency have become more and more important, pushing to relevant improvements in terms of new methods and advanced approaches. In such circumstance, the 6th International Conference on Engineering Mechanics and Automation (ICEMA - 2021) will be organised at University of Engineering and Technology on November 14, 2021.

The aim of the conference is to provide an international forum for scientific researchers in the technologies and applications of Engineering Mechanics and Automation. The Conference also aims to provide a chance for exchange of experiences and international collaboration in these fields. The scope of the conference includes, but not limited to, the following topics:

- Fundamental Issues of Fluid Mechanics
- Mechanics with Climate Change and Environment
- Industrial and Environmental Fluid Mechanics
- River and Sea Dynamics
- Fundamental Issues of Mechanics of Solids
- Mechanics of Composite Materials and Structures.
- Fracture Mechanics and Fatigue
- Mechanics of Soil, Rocks and Porous Medium
- Technical Diagnostics
- Linear and Nonlinear Oscillations
- Dynamics of Multi-body Systems
- Nonlinear Dynamics and Chaos
- Mechanics of Machines and Mechanism
- Computational Mechanics
- Industrial Automation
- CAD/CAM/CNC Systems
- Control Strategies and Algorithms
- Design Automation
- Intelligent Systems
- Machine Tools and Machinery
- Manufacturing Process Control
- Mechatronics Engineering
- Rapid Prototyping
- Civil Engineering and Transportation Technology

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