



ASMaS 2024

The 3rd International Conference on
Advanced Smart Materials and Structures
03 – 05, July, 2024

Ton Duc Thang University, Ho Chi Minh city, Vietnam

<http://asmas2024.tdtu.edu.vn>

General Information

ASMaS-2024 is organized to create a high-quality academic exchange forum between domestic and foreign scientists on new and advanced research achievements in the field of science, engineering, and technology.

Paper Publication Opportunities: The high-quality papers will be invited to expand and submit to the special issues of the following journal: Journal of Intelligent Material Systems and Structures (JIMSS). JIMSS is a prestigious journal listed in the Web of Science (WoS) database (impact factor: 2.7).

Important Dates

Abstract Submission deadline: **April 15th 2024**

Full paper submission deadline: **May 15th 2024**

Notification of full-paper acceptance: **May 30th 2024**

Registration deadline: **June 15th 2024**

Conference date: **July 03rd to 05th, 2024**

Call for Papers

Authors are invited to submit Abstract and Full papers with a maximum length of 10 pages via Conference email at asmas2024@tdtu.edu.vn. The submission should describe original research works in topics and technical areas of interest including but not being limited to the following:

Mathematical Models and Methods:

- Neural Networks; Fuzzy Logic; Hybrid Intelligent Models; ...
- Analytical Methods;
- Numerical Methods: Finite Element, Meshfree, Isogeometric Analysis, and other methods.

Smart Materials:

- Electrorheological and Magnetorheological Fluids; Magnetorheological Materials;
- Shape Memory Alloys; Piezoelectric Materials; Electro-Active Polymers; ...

Smart and Functionally Graded Structures:

- Beam, Plate and Shell Structures;
- Analytical Methods;
- Numerical Methods.

Nonlinear Control, Automation, and Robotics:

- Identification;
- Prediction;
- Control;
- Robotics;
- Bio-mechatronics.

Data-driven Computational Mechanics and Machine Learning:

- Knowledge graph-based recommendation systems;
- AI-inspired big data analytics;
- Failure monitoring of structure using big data;
- Structural health monitoring and life cycle analytics;

- Forecasting model in smart grid.

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Keynote Speaker

Prof. Weihua Li, University of Wollongong, Australia

Prof. Julius Kaplunov, Keele University, United Kingdom

Prof. Le Khanh Chau, Ton Duc Thang University, Ho Chi Minh City, Vietnam

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• Co-Chairs:

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