



# ASMaS 2023

## The 2<sup>nd</sup> International Conference on Advanced Smart Materials and Structures

June 28<sup>th</sup> – 30<sup>th</sup>, 2023

Ton Duc Thang University, Ho Chi Minh city, Vietnam

<http://asmas2023.tdtu.edu.vn>

### General Information

ASMaS-2023 is organized to create a high-quality academic exchange forum between domestic and foreign scientists on new and advanced research achievements in the fields of science, engineering, and technology.

**Paper Publication Opportunities:** The high-quality papers will be invited to expand and submit to the special issues of **Journal of Intelligent Material Systems and Structures (ISI)**

#### Important Dates

Abstract submission deadline: **February 15<sup>th</sup> 2023**

Full paper submission deadline: **April 15<sup>th</sup> 2023**

Notification of full-paper acceptance: **May 15<sup>th</sup> 2023**

Registration deadline: **May 30<sup>th</sup> 2023**

Conference date: **June 28<sup>th</sup> – 30<sup>th</sup>, 2023**

### Call for Papers

Authors are invited to submit Abstract and Full papers with a maximum length of 6 pages via Conference email at [asmas2023@tdtu.edu.vn](mailto:asmas2023@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

- Neural Networks; Fuzzy Logic; Hybrid Intelligent Models, ...

#### Smart Materials

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

#### Data Science

- Filtering noise & processing data; Evolving-data stream; Big data; Data mining; Deep learning; ...

#### Nonlinear Control, Automation, and Robotics

- Identification; Prediction; Control; Robotics; Biomechanics; ...

#### Computational Mechanics and AI-based applications

- Structural analysis using smart materials; Structural Optimization; Structural health monitoring; AI-based applications for structures; ...

#### Graphene-based Metamaterial and Structures

- Terahertz Solar Absorber; Metasurface; Biosensor; Optical Resonator; Optically Transparent Antenna; ...

#### Data-driven decision-making

- Knowledge graph-based recommendation systems; AI-inspired big data analytics; Failure monitoring of structure using big data; Structural health monitoring and life cycle analysis; Forecasting Model in Smart Grid; ...

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Prof. Seung-Bok Choi, The State University of New York, Korea

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Prof. Le Khanh Chau, Ton Duc Thang University, Vietnam

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