

# Preface

This publication contains papers presented at the 5<sup>th</sup> International Conference on Machining, Materials and Mechanical Technologies (IC3MT 2024) held in Phan Thiet City, Viet Nam, on September 11-15, 2024.

Nowadays, machining, materials and mechanical technology (3M) are greatly impacted by Industrial Revolution 4.0, with the effect translating into various fields of both science and engineering. The IC3MT 2024 conference provided a forum for researchers and experts worldwide to exchange their latest research and findings in machining, materials, and mechanical engineering.

We would like to extend sincere appreciation to all members of the Conference Committee and reviewers who contributed their time and effort to enhance the quality and accuracy of conference submissions. We believe this edition will contribute to the advancement of the dynamic fields of machining, materials, and mechanical technologies.

**Huy-Bich Nguyen**  
Chief Editor

# Committee

## Chairman

VO Khac Thuong, University of Phan Thiet, Viet Nam

## Co-Chairmen

CHEN Jyh-Chen, National Central University, Taiwan

YAMADA Keiji, Hiroshima University, Japan

OHASHI Kazuhito, Okayama University, Japan

## Steering Committee

DINH Phi Ho, University of Phan Thiet, Viet Nam - Chair

NGUYEN Huy Bich, Nong Lam University Ho Chi Minh City, Viet Nam – Co-Chair

LEE Ju-Yi, National Central University, Jhongli, Taiwan

TRAN Tinh, University of Phan Thiet, Viet Nam

NGUYEN Tan Y, University of Phan Thiet, Viet Nam

NGUYEN Duc Khuyen, Nong Lam University Ho Chi Minh City, Viet Nam

NGUYEN Van Lanh, Nong Lam University Ho Chi Minh City, Viet Nam

LE Thanh Long, Ho Chi Minh City University of Technology, Vietnam

NGUYEN Tran Phu, Ho Chi Minh City University of Technology and Education, Vietnam

# Sponsors

The University of Phan Thiet, Viet Nam

Nong Lam University Ho Chi Minh city (NLU), Viet Nam

Japan Society of Precision Engineering (JSPE), Japan

National Central University (NCU), Taiwan

Taoyuan Society of Intelligent Mechanical Engineering, Taiwan

Chinese Society of Mechanical Engineers (CSME), Taiwan