Preface

The 1st "Conferencia Internacional de Ciencia, Tecnología e Innovación" (1st International Conference on Science, Technology and Innovation, CONICIETI) was successfully held on May 29-30, 2024, in Tegucigalpa, Honduras, at the Universidad Tecnológica Centroamericana (UNITEC). This inaugural event brought together a diverse community of experts and leading researchers in the fields of science, technology, and innovation. The conference provided a forum for active discussions and insightful presentations on various aspects of these emerging fields.

In this publication, we carefully compiled the high-quality peer-reviewed articles presented at CONICIETI 2024 and selected due to the comprehensive coverage of recent advancements in technology, technical systems, design, and industrial management practices. This selection focuses, in particular, on the following main topics:

- 1. Measurements, Sensing and Monitoring;
- 2. Robotics;
- 3. Engineering Management.

This edition will be of great use to many specialists involved in modern industrial production.

We thank all the authors, reviewers, and participants who collectively contributed to this publication and extend our special regards to the Research Department at the Universidad Tecnológica Centroamericana (UNITEC) and other partner institutions and organizations for their support of CONICIETI 2024.

We will continue our efforts to inspire researchers to contribute to the advancement of science, technology, and innovation through future editions of CONICIETI.

Regards, CONICIETI Organizing Committee

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