Preface

The CIIA 2024 represents a collective effort and institutional commitment towards excellence. In this second edition we addressed themes of automation and sustainable production, receiving 47 scientific articles from 148 authors of various nationalities, including Argentina, Brazil, Chile, Colombia, Ecuador, Spain, India, Peru, and Russia. These articles were rigorously reviewed by blind peer reviewers from different educational institutions and research centers.

The contributions highlight the importance of hybrid energy systems and technologies for their optimization, aiming to effectively mitigate climate change and diversify the use of natural resources. In this context, contemporary technologies play a crucial role in ensuring a productive transition that generates wealth for society. Emphasizing the use of artificial intelligence over traditional methods to improve yields in the agro-industrial sector, enabling the detection of unnecessary movements or excessive use of resources. In the industrial sector, the use of scanning and computer vision technologies for classification is highlighted due to their precision.

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