

# Preface

It is with profound honor and enthusiasm that we present the conference proceedings of the esteemed 2024 4<sup>th</sup> International Conference on Electronic Information Engineering and Computer Science (EIECS 2024). This prestigious event marks a significant milestone in the realm of electronic information engineering and computer science, bringing together an exceptional gathering of experts, scholars, researchers, and industry professionals from across the globe.

The rapid development of electronic information engineering and computer science has profoundly impacted contemporary society and technological advancements. As pivotal frontier technologies in the high-tech domain, these fields exhibit forward-looking and pioneering characteristics, playing a crucial role in academic research, industrial upgrading, fostering innovative consciousness, and guiding the development of future societies. EIECS 2024 aims to serve as a platform for international collaboration, academic exchange, and the showcasing of the latest research achievements in these critical areas.

The scale and international reach of EIECS 2024 are truly remarkable. With about 300 experts and scholars from prestigious institutions such as Hong Kong University of Science and Technology, University of Science and Technology of China, Hong Kong Polytechnic University, Southern University of Science and Technology, University of Chile, City University of New York, and University of Macau, among others, the conference facilitates in-depth dialogues and intellectual collisions on the two core topics electronic information engineering and computer science. This diverse and international assembly of minds delves into the latest research hotspots, innovative achievements, and inspiring application examples within the field, sparking profound academic debates and providing fresh perspectives and inspirations for future research and practice.

The conference agenda is meticulously crafted to facilitate comprehensive and engaging discussions. Keynote speeches, delivered by renowned experts such as IEEE Fellow James Tin-Yau KWOK (Hong Kong University of Science and Technology), IEEE Fellow Zuqing Zhu (University of Science and Technology of China), and IEEE Fellow Qing Li (Hong Kong Polytechnic University), among others, provides valuable insights into the forefront technological achievements and application prospects within electronic information engineering and computer science. These speeches generate intense interest and lively discussions among the attendees. Moreover, the oral presentations and poster exhibitions are particularly noteworthy components of the conference. They provide a platform for participants to present their research findings and engage in interactive discussions with fellow attendees.

EIECS 2024 also emphasizes the importance of international collaboration and academic exchange. The conference serves as a bridge, connecting researchers from different countries and cultures, fostering intellectual exchanges and collaborative opportunities. The proceedings of this conference, compiled herein, represents a valuable resource for researchers, scholars, and practitioners in the field of electronic information engineering and computer science. The insights and innovations presented here will undoubtedly shape the future trajectory of these fields, impacting various sectors such as communications, computer science and engineering, artificial intelligence, control systems, and beyond.

In conclusion, the 2024 4<sup>th</sup> International Conference on Electronic Information Engineering and Computer Science has been a resounding success, achieving its aim of fostering international collaboration, promoting academic exchanges, and showcasing the latest research achievements in the field. We are deeply grateful to all participants, speakers, and organizers for their invaluable contributions to the success of EIECS 2024. We look forward to the continued growth and impact of this esteemed conference in the future.

The Committee of EIECS 2024

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