

Preface

In the era of rapid technological advancements, the fusion of electronic information engineering and computer technology has emerged as a pivotal force driving innovation and transformation across various sectors. The 2024 4th International Conference on Electronic Information Engineering and Computer Technology (EIECT 2024) stands as a testament to this convergence, gathering leading experts, researchers, scholars, and industry professionals from around the globe to delve into the latest research trends and future directions in this dynamic field.

The EIECT 2024 was organized with the mission to foster international collaboration, share groundbreaking discoveries, and discuss the practical applications of electronic information engineering and computer technology. The event, attracting about 300 delegates from around the world, was hosted in the vibrant city of Shenzhen, renowned for its cutting-edge technological innovations. This year's conference continued the EIECT tradition of "Sharing and Exchanging," encouraging open dialogue and the dissemination of knowledge among attendees.

The conference proceedings compiled herein represents a distillation of the intellectual wealth shared during EIECT 2024. It encapsulates the essence of groundbreaking research, innovative methodologies, and insightful discussions that took place over the three-day event. The papers included in this volume cover a wide array of topics, ranging from advanced communication systems and signal processing to artificial intelligence and machine learning, embedding systems, and others. Each contribution has undergone rigorous peer review to ensure its academic merit and relevance, reflecting the high standards set by the EIECT conference series.

One of the highlights of EIECT 2024 was the keynote speeches delivered by esteemed experts in their respective fields. These presentations not only provided an overview of the current landscape but also offered invaluable insights into the future trajectory of electronic information engineering and computer technology. Renowned scholars such as Professor Pingyi Fan, IET Fellow, from Tsinghua University, Professor Weigang Hou from Chongqing University of Posts and Telecommunications, Professor Bin Liao from Shenzhen University, and Associate Professor Congduan Li from Sun Yat-sen University, shared their profound knowledge and unique perspectives, enriching the conference's academic discourse.

The impact of EIECT 2024 on contemporary research is profound. By bringing together experts from diverse backgrounds, the conference facilitated cross-disciplinary collaboration, sparking new ideas and innovative solutions to complex problems. This paper volume serves as a valuable resource for researchers, educators, and practitioners seeking to stay abreast of the latest developments in electronic information engineering and computer technology. It offers a snapshot of the current research frontier, guiding future explorations and advancements in these fields.

Furthermore, the publication of the proceedings volume extends the reach of the conference, making the valuable insights and research findings accessible to a wider audience. By archiving these contributions, we ensure that the knowledge shared at EIECT 2024 continues to inspire and inform future generations of scientists and engineers.

In conclusion, the 2024 4th International Conference on Electronic Information Engineering and Computer Technology has successfully fulfilled its mission of fostering international academic exchange and promoting innovation in electronic information engineering and computer technology. The conference proceedings, embodying the wealth of knowledge and ideas presented during the event, will undoubtedly serve as a cornerstone for future research and development in these crucial fields. We hope that the readers of the proceedings will find them as inspiring and enlightening as we did during the conference.

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