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Lei Chen**
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Preface

The Second International Symposium on Computer Applications and Information Systems (ISCAIS 2023) took place on 24-26 March 2023 in Chengdu, China (hybrid form). ISCAIS exists as an international annual conference which tries to meet the needs for various kinds of information systems and has been established as a high-quality international conference.

Taking “bringing together global wisdom in scientific innovation to promote high-quality development” as its theme, the Conference aimed to promote the development of the field of computer science, expand the international scientific and academic exchange channels, promote scientific innovation on a global scale, and enhance academic cooperation between China and foreign countries. It also aimed to encourage the exchange of information on research frontiers in different fields, connect the most advanced academic resources at home and abroad, turn research results into industrial solutions, and bring together talents, technologies and capital to boost development.

The Conference was attended by more than 80 participants and hosted four keynote speeches, as well as various oral and poster presentations. The Second ISCAIS consisted of different and diverging workshops and thus covered various research fields where computer science is used, such as Computer Theory and Application, Arithmetic Logical Unit and Control Unit (CPU), Network Security and Management, Information Management Systems, Development of Intelligent Communication and Software, etc.

The scientific program was rather heavy, however, according to all attendees, the program was excellent with high-level of talks and the scientific environment was fruitful, thus all attendees had a great and creative time. Professor Nikolaos M. Freris from University of Science and Technology of China (USTC) reported on Adaptive Compression of Deep Neural Networks. Model compression is crucial for accelerating deep neural networks while maintaining high prediction accuracy. In this talk, he presented a lightweight compression method termed Adaptive Sensitivity-based Runing (ASTER) which dynamically adjusts the filter pruning threshold concurrently with the training process.

We would like to thank the members of Local Committee for providing their excellent infrastructure for the needs of the Conference. We also would like to thank the members of the Technical Program Committee and Publication Chairs. Our gratitude also goes to the Society of Photo-Optical Instrumentation Engineers for its support in publishing this Proceedings volume.

The Committee of ISCAIS 2023

