

## Preface

The 2022 2<sup>nd</sup> International Conference on Algorithms, High Performance Computing and Artificial Intelligence (AHPCAI 2022) was successfully held during October 21<sup>st</sup> to 23<sup>rd</sup>, 2022 in Guangzhou, China (virtual conference), at the premises of Hotel Nikko Guangzhou. The conference is an annual scientific meeting starting in 2021.

As in the previous year, the main motivation of the Organizing Committee was to bring together experts, scholars, and scientists from all over the world to present their work, exchange information and establish collaboration. AHPCAI 2022 strengthened academic research and discussion, promoted the industrial cooperation of academic achievements, and facilitated future business contacts among all the participants.

The scope of the conference covered all areas of research in algorithms, high performance computing and artificial intelligence including: Approximation Algorithm, Natural Language Processing, Network Computing Technology, Image Detection Network, Car Barrier Detection, etc. The conference brought together 50 participants, primarily from China, but also from India, Malaysia, UAS, and other countries.

A three-day program of the Conference was divided into three sessions, including keynote speeches, oral presentations, and Q&A discussions. Each keynote speaker was given 30-40 minutes for keynote speeches and every presenter was given 10-15 minutes. Among them, Prof. Shaozhang Niu from Beijing University of Posts and Telecommunications, China performed a keynote speech on the title: Digital Image and its Intelligent Forgery. He first introduced to us about the digital images tampering and forgery, and the main research problems of digital images forensics. And then he discussed about the challenges of digital images forensics and prospected the future of content security for digital images, presenting us with a feast of knowledge. The insightful speeches of each keynote speakers triggered interesting discussions and a number of informal talks between all the participants.

We would like to thank all the participants in the 2<sup>nd</sup> International Conference on Algorithms, High Performance Computing and Artificial Intelligence. We would also like to thank the Organizing and Technical Program Committee, for the work they put in to organize this event. Finally, we would like to acknowledge the Institute of Electrical and Electronics Engineers, for the endeavor of all its colleagues in publishing this paper volume. We deeply appreciate their efforts in making the Conference successful.

The Committee of AHPCAI 2022

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