Preface

The 2022 3rd International Conference on Computer Information and Big Data Applications (CIBDA 2022) was successfully held on March 25-27, 2022. Due to the COVID-19 pandemic around the world, and with the strict travelling rules in China, it is still difficult to take international travel for our attendees abroad. Therefore, CIBDA 2022 was held both in physical (Wuhan, China) and online (Zoom).

CIBDA 2022 is to bring together innovative academics and industrial experts in the field of computer information and big data to a common forum. The primary goal of the conference is to promote research and developmental activities in computer information and big data and another goal is to promote scientific information interchange between researchers, developers, engineers, students, and practitioners working all around the world. The conference will be held every year to make it an ideal platform for people to share views and experiences in computer information and big data and related areas.

During the conference, the conference model was divided into three sessions, including oral presentations, keynote speeches, and online Q&A discussion. In the first part, some scholars, whose submissions were selected as the excellent papers, were given about 5-10 minutes to perform their oral presentations one by one. Then in the second part, keynote speakers were each allocated 30-45 minutes to hold their speeches.

There were over 250 experts and scholars in the area of computer information and big data applications representing different famous universities and institutes around the globe to attend this hybrid conference. During the conference, we were pleased to invite five distinguished experts to present their insightful speeches. Prof. Jincai Chen, Huazhong University of Science and Technology, China. His main research directions are: new storage technology, computer network, network storage, embedded system, digital media technology, etc. And then we had Prof. Yiwen Liang, Wuhan University, China. He has been engaged in distributed database research, network construction and network software research, evolutionary computing learning and application research, etc. Prof. Shi Ying, Wuhan University, China. His main research directions include web service-oriented software development methods, aspect-oriented software development methods, semantic software development technology, software development methods in cloud computing era, etc. Prof. Leihua Qin, Huazhong University of Science and Technology, China. He has been engaged in the research, teaching, practice guidance and curriculum construction of computer composition principle, digital logic and other courses for a long time (including network education). Our finale keynote speaker, Prof. Aiping Xu, Wuhan University, China. Her research area: GIS and spatial information processing. Their insightful speeches had triggered heated discussion. Every participant praised this conference for disseminating useful and insightful knowledge.

The participants of the conference were from most part of the world, with background of either academia or industry, even well-known enterprise. The success and prosperity of the conference is reflected high level of the papers received. The proceedings are a compilation of the accepted papers and represent an interesting outcome of the conference. Topics include but are not limited to the following areas: Computer Technology, Information Science, Big Data and other related topics.

We would like to acknowledge all of those who supported CIBDA 2022. Each individual and institutional help were very important for the success of this conference. Especially we would like to thank the organizing committee for their valuable advices in the organization and helpful peer review of the papers. We sincerely hope that CIBDA 2022 will be a forum for excellent discussions that will put forward new ideas and promote collaborative researches. We are sure that the proceedings will serve as an important research source of references and the knowledge, which will lead to not only scientific and engineering progress but also other new products and processes.

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