

Message from DIKW 2022 Program Chairs

It is our great pleasure to welcome you to DIKW 2022, the 2nd IEEE International Conference on DIKW, held on December 18-21, 2021. For the IEEE DIKW 2022, the financial sponsors are IEEE and IEEE Computer Society, the technical sponsors are IEEE Technical Committee on Scalable Computing, Task Force on Cyber-Physical-Social Systems of IEEE Smart World Technical Committee. The organizers of IEEE DIKW 2022 are Sichuan University and Hainan University.

As the key technology for future research and development activities of many academic and industrial branches, high-performance computing and communications have always received extensive attention from researchers. On the one hand, with the increasing amount of data generated in people's daily life, how to quickly process data and use the effective information in the data has become an urgent problem for researchers in the computer field. On the other hand, many future fields such as smart cities and cyber-physical systems also require high-performance computing and communications to provide high-efficiency and high-reliability computing support.

There are 17 regular research papers and 3 research papers, selected by the program committee from many full submissions in response to the call for papers. All submissions were reviewed by at least 3 program committee members. These high-quality submissions cover many hot research topics, including DIKW for innovative applications, smart computing by using DIKW, to name a few.

First, we would like to thank all program committee members for their hard work in reviewing all submissions. Next, we would like to extend our special thanks to the DIKW General Chairs Xifan Yao (South China University of Technology, China), Riccardo Martoglia (FIM–University of Modena, Italy), Junzhi Yu (Peking University, China) and the Steering Committee Chairs Laurence T. Yang (Hainan University, China), Yucong Duan (Hainan University, China) for their consistent leadership and guidance; we also would like to thank the Publicity Chairs Li Liu (University of Pittsburgh, USA), Dongyu Xin (Huazhong University of Science and Technology, China), Hao Wang (Huazhong University of Science and Technology, China) for their hard work in making DIKW 2022 a success. Furthermore, we would like to thank all the authors for submitting and presenting their exciting ideas and solutions at the conference and the IEEE Computer Society's Conference Publishing Services team for their dedicated services.

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Program Chairs of DIKW 2022