Preface

The 2021 International Conference on Advanced Algorithms and Signal Image Processing (AASIP 2021) was planned to be held on August 27-29, 2021 in Qingdao, China. Due to the impact of COVID-19, many communities from all over the world were under strict health measures and strict travel restrictions, and participants of 2021 International Conference on Advanced Algorithms and Signal Image Processing (AASIP 2021) also meet with the difficulty of travel restrictions. For communities, if our conference was not held in a virtual form, it would add huge work on traffic system, Exit-Entry system, medical system, etc., which is quite a serious issue, to actively respond to the call of the government, to strengthen the protection work, to effectively reduce people gathering and prevent COVID-19, considering the situation that most of the authors would like to publish their articles and make academic communications as scheduled, AASIP 2021 was held online instead of postponing the conference. It was a challenge, not only to the organizers, but also to the participants who were delivering their speeches using videoconference tools, under different time zones.

The conference aimed to provide a platform for experts and scholars engaged in Advanced Algorithms and Signal Image Processing research, university graduate students and teachers to share scientific research achievements and cutting-edge technologies, understand academic development trends, broaden research ideas, strengthen academic research and discussion, and promote cooperation in the industrialization of academic achievements.

The conference brings together about 70 leading researchers, engineers and scientists in the domain of interest from China, Sweden, Pakistan, UK, India and Thailand. The conference model was divided into two parts, including keynote presentations and online discussion. In the first part, each keynote speakers were allocated 30 minutes to present their talks via Zoom. After the keynote talks, all participants joined in a WeChat communication group to discuss more about the talks and presentations.

We were greatly honor to have invited four distinguished experts as our keynote speaker. The first keynote speaker, Professor Qinmin Yang, from Zhejiang University, China. He had outstanding research in Industrial AI, Renewable Energy and Energy Internet and Intelligent Control. Professor Xinsong Yang, from Sichuan University, China. His research interests include: (1) Complex Network; (2) Artificial Neural Networks; (3) Synchronous; (4) Intelligent Control. Professor Lisu Yu, from Nanchang University, China. Our finale keynote speaker, Associate Professor Ricardo Vinuesa, from KTH Royal Institute of Technology, Stockholm, Sweden. Their insightful speeches had triggered heated discussion in the second session of the conference. The WeChat discussion lasted for about 30 minutes. Every participant praised this conference for disseminating useful and insightful knowledge.

The proceedings of AASIP 2021 span over 3 topical tracks, that include: Advanced Algorithms, Signal Processing, Image Processing and other related fields. All the papers have been through rigorous review and process to meet the requirements of International publication standard.

We would like to express our gratitude to everyone involved. Without this dedicated cooperation, it would be impossible to hold the conference at such a high level and prepare the AASIP 2021 proceedings.

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