

Preface

Due to the outbreak of the global pandemic (COVID-19), 2022 2nd International Symposium on Mechanical Systems and Electronic Engineering (ISMSEE 2022) was held virtually online from February 25 to 27, 2022. The decision to hold the virtual conference was made in compliance with many restrictions and regulations that were imposed by countries around the globe. Such restrictions were made to minimize the risk of people contracting or spreading the COVID-19 through physical contact. There were 100 individuals who attended this online conference, represented many countries including China, India, Malaysia, Australia and Denmark.

The conference focused on topics such as “mechanical system dynamics”, “mechanical transmission and system measurement and control”, “telecommunication engineering” and “computational engineering”, aiming to provide a platform for scientific research scholars, technicians and related personnel engaged in mechanical system and electronic engineering to share scientific research achievements and cutting-edge technologies, understand academic development trends, broaden research ideas, strengthen academic research and discussion, and promote industrial cooperation of academic achievements. Experts, scholars, business people and other relevant personnel from universities and research institutions at home and abroad are cordially invited to attend and exchange.

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. In the second part, we invited three professors as our keynote speakers. Assoc. Prof. MUHAMMAD JUNAID, Xi'an Jiaotong University, China. He has been conducted research on Electrical Insulation, Power Equipment and Electrical appliances. And then we had Prof. Ka-Veng YUEN, State Key Laboratory of Internet of Things for Smart City, University of Macau, China. Prof. Yuen's research expertise includes Bayesian inference, uncertainty quantification, system identification, structural health monitoring, reliability analysis and analysis of dynamical systems. Prof. Li Guo, our finale keynote speaker, from Hunan University, China. Their insightful speeches had triggered heated discussion in the third session of the conference. Every participant praised this conference for disseminating useful and insightful knowledge.

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: Mechatronics, Electronics and other related topics. All the papers have been through rigorous review and process to meet the requirements of international publication standard.

We would like to acknowledge all of those who supported ISMSEE 2022. The help and contribution of each individual and institution was instrumental in the success of the conference. In particular, we would like to thank the organizing committee for its valuable inputs in shaping the conference program and reviewing the submitted papers.

We sincerely hope that the ISMSEE 2022 turned out to be a forum for excellent discussions that enabled new ideas to come about, promoting collaborative research. We are sure that the proceedings will serve as an important research source of references and knowledge, which will lead to not only scientific and engineering findings but also new products and technologies.

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