

Preface

Due to recent pandemic, 2022 2nd International Conference on Electronic Materials and Information Engineering (EMIE 2022) was held virtually online during April 15-17, 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 260 individuals who attended this on-line conference, represented many countries.

EMIE 2022 provided an enabling platform for Electronic Materials and Information Engineering experts to exchange new ideas and present research results. This conference also promoted the establishing of business or research relations among global partners for future collaboration. We hope that this conference could make significant contribution to the update of knowledge about these latest scientific field.

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 four professors as our keynote speakers. Prof. Md. Akhtaruzzaman, Solar Energy Research Institute (SERI), The National University of Malaysia. His areas of expertise are the rational design of organic/inorganic semiconductors, Nano-materials for various applications. The second keynote speakers, Prof. Lijian Zuo, Polymer Science and Engineering, Zhejiang University. In the recent year, he focused on high-performance, low-cost organic and perovskite semiconductors and photovoltaic devices. A. Prof. Guohua Xie, Department of Chemistry, Wuhan University. He has been serving as an associate professor at the College of Chemistry and Molecular Sciences of Wuhan University (China) to carry out the interdisciplinary research of organic optoelectronic materials and devices. Lastly, we were glad to invite Prof. Lei Zhang, School of Chemistry and Materials Science, Nanjing University of Information Science and Technology as our finale keynote speakers. His research experience includes the modelling of emerging solar cell materials, and understanding their energy conversion, storage and stabilization mechanisms at the molecular scale. 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: Electronic materials, Information engineering 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 EMIE 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 EMIE 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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