

Preface

Due to recent pandemic, 2022 4th International Conference on Electronic Engineering and Informatics (EEI 2022) was held virtually online during June 24-26, 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 200 individuals who attended this on-line conference, represented many countries including China, India, Japan, Malaysia and Italy.

EEI 2022 is to bring together innovative academics and industrial experts in the field of Electronic Engineering and Informatics to a common forum. The primary goal of the conference is to promote research and developmental activities in Electronic Engineering and Informatics, 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 Electronic Engineering and Informatics 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.

In the second part, we invited five professors as our keynote speakers. Prof. Ting Yang, Tianjin University, China, performed a speech: *A Survey on Informatics and Communication Technologies in Low Carbon Energy System*. And then we had A. Prof. Wei Wei, Xi'an University of Technology, China. He delivered a speech: *Based on IoTs Parking Navigation with Continuous Information Potential Field research*. Prof. (Dr.) Subhabrata Banerjee, Institute of Engineering & Management, Department of Electronics and Communication Engineering, India. He shared a speech: *Development of Soft Computing based Bio-Inspired Algorithms and its impact on Practical System*. Prof. (Dr.) Sailesh Iyer, Rai University, Ahmedabad, India. His research interest: include Computer Vision and Image Processing, Cyber Security, Data Mining and Analytics, Artificial Intelligence, Machine Learning, Blockchain. Lastly, we were glad to invite Prof. Ning Sun, Nankai University, China. He made a wonderful speech: *Underactuated Crane Systems: Motion Planning, Intelligent Control, and Industrial Applications*. 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 Technology, Information and Communication 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 EEI 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 EEI 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.

The Committee of EEI 2022

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Local Organizing Chair

A. Prof. Wei Wei, Xi'an University of Technology, China

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