

Preface

Due to recent pandemic, the 2022 International Conference on Electrical, Control and Information Technology (ECITech 2022) was held virtually online on March 25, 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 online conference, represented many countries including China, UK, Norway, Italy, Iran and Malaysia.

ECITech 2022 is to bring together innovative academics and industrial experts in the field of Electrical, Control and Information Technology to a common forum. The primary goal of the conference is to promote research and developmental activities in Electrical, Control and Information Technology 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 Electrical Engineering and Computer Technology 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 four professors as our keynote speakers. Prof. Marco C. Campi, Dept. of Information Engineering, University of Brescia, Italy, performed a speech: *Decision Making in the Era of Data*. His presentation covered some theoretical aspects, its relevance to control problems, while also venturing into prediction, classification and decision theory in general. And then we had Prof. Manuel F. Silva, Institute for Systems and Computer Engineering, Technology and Science (INESC-TEC), Porto, Portugal. He delivered a speech: *Simulation and Offline Programming Framework for Robotic Palletizing Systems*. This talk presented the development of a simulation framework for robotic palletizing systems. Prof. Yonghong Tan, the college of Information, Mechanical and Electrical Engineering, Shanghai Normal University, China. He presented a wonderful speech: *Modeling & Control of MEMS Scanning Micromirrors*. Lastly, we were glad to invite Prof. Tianguang Lv, School of Electrical Engineering, Shandong University, China as our finale keynote speakers. He committed to research on smart and low-carbon power grids, focusing on issues such as the interactive operation of multi-agent power distribution systems, market mechanisms, and grid connection of a high proportion of renewable energy, and achieved a series of groundbreaking results. 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: Electrical Engineering, Control, Information Technology 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 ECITech 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.

The Committee of ECITech 2022

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Conference General Chairman

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