

Preface

The 5th International Conference on Power, Energy and Mechanical Engineering (ICPEME 2021) took place from the first to the third of February 2021. Initially planned to be held in Shanghai, China, the on-going Corona virus pandemic made it necessary to turn this event into a purely online or, in other words, virtual conference.

The talks included keynote as well as invited speeches about diverse topics such as a materials genome based computational approach to predict the interfacial structure of heteroepitaxial films, self-demodulated fiber Bragg grating displacement sensors for the investigation of torsional or bending band gaps in photonic crystals, and high field ion traps with high resolving power to be used in environmental analysis.

Five sessions covered papers in the general sections of mathematical modelling and calculation, mechanical design and power engineering, physical basic principles and application, computational approaches and applied mathematics, and finally electronics and power systems. The participants showed a large international variety, coming from countries located in the Asian, European, African and North-American hemispheres.

Due to modern communication technology, it is no problem conducting a conference with the participants distributed so widely over the globe. Consequently, the talks could be followed online without obstacles, either as direct talks or as video presentations. This success requires some work invisibly executed in the background, so finally we would like to express our deepest gratitude and thanks not only to the committees and participants for their invaluable contributions, but also to the technical management staff and the organizational staff whose good work allowed the conference to proceed so smoothly. We nevertheless do hope of course that soon the conferences can be attended again in person.

Frank Gunzer
The ICPEME 2021 Organizers