

# Preface

2018 International Conference on Mechanical, System and Control Engineering (ICMSC 2018) was held in Moscow, Russia during June 21-23, 2018. This exciting event brought together a wide community of engineers, scientists and practitioners from different fields with the objective of exchanging and sharing their research results as well as experiences and new ideas. Such platform is ideal to further discuss, even informally, the practical challenges encountered and the solutions adopted. In my opinion, events like ICMSC 2018 are to be considered an essential ingredient for technological advancement. This event took place during the 2018 FIFA football world cup. As an external keynote speaker, at the beginning I was a bit skeptical with this choice. I was concerned about hotels full of football fans, but as soon as I land in Moscow I understood my feelings were misplaced. If anything the very well organized and implemented FIFA 2018 Football World Cup was actually pivotal to the success of such an event. The vibrant, joyful and relaxed atmosphere of those days contributed greatly to the good mood of the participants. This created the perfect environment to allow the development of a real community of knowledge during the conference: I have rarely experienced such a good communication and sharing during a relatively short event such as a conference.

The proceeding that you are about to read include a large collection of selected contributions from a broad spectrum of disciplines: functional material design and modeling, vehicle design and manufacturing engineering, power machinery engineering, mechanical engineering and measurement technology are some of the main areas covered. While addressing many different topics, the book is still quite open to be read by a general audience thanks to the particular attention of our authors to provide a sound background to their results.

I would also like to mention excellent work of the organizing committee and especially of our respected Chairs and colleague keynote speaker. A special thanks to the scientific committee for selecting and presenting us a very interesting collection of works: I wish that the proceedings of ICMSC 2018 would be a reference for this community and its future, cross-disciplinary scientific work endeavors.

ICMSC 2018  
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