

Preface

The 1st International Conference of Mechatronics and Cyber-MixMechatronics/ICOME CYME, held in Bucharest (Romania), on September 7–8, 2017, is envisioned as a forum and an opportunity for researchers, engineers, professors, PhD students and graduate students as well as business representatives from all over the world to present their research results and development activities. It comes as a consequence of the expansion of the field of mechatronics, which has come to step into the world of newer transdisciplinary fields of adaptronics, integronics, and cyber-mix-mechatronics. These will also be the topics of this book as the conference has behind a rich scientific tradition, and it is derived from an event that has penetrated so deeply into the academic community that it gathered specialists from all over the world—including North America, South America, and Asia.

This proceedings volume provides the research community with well-edited, high-quality papers. For the purpose of this book, we have selected the best 26 papers, authored by teams of researchers in universities and research institutes.

The papers presented at the conference will be a ramp for PhD, PhD students, researchers, and engineers, who will have to be prepared to cross traditional boundaries in order to accommodate the new technologies. This book will thus be a valuable addition to the literature and it will examine the common area between mechatronics, cyber-mechatronics and cyber-mix-mechatronics, as well as other related disciplines and it will assess the implications for industry throughout the world.

I am particularly grateful to the authors for their contributions and all the participating experts for their valuable advice. Furthermore, I thank the staff for their cooperation and support, and especially, to all members of the International Programme Committee and the Organizing Committee for their work in preparing and organizing the conference.

Last but not least, I would like to thank Springer for its rich professional assistance and I would like to express my kind appreciation for Mr. Holger Schaepe and Mrs. Varsha Prabakaran who supported very much this publication.

Gheorghe I. Gheorghe
Editor-in-chief and Conference Chairman

Proceedings of the International Conference of
Mechatronics and Cyber-MixMechatronics - 2017

Gheorghe, G. (Ed.)

2018, IX, 246 p. 189 illus., Softcover

ISBN: 978-3-319-63090-8