

Preface

MEDER 2015, IFToMM International Symposium on Mechanism Design for Robotics, is the third event of a series that started in 2010 as a specific conference activity on mechanisms for robots. The first event was held at Universidad Panamericana de Ciudad de Mexico, Mexico in September 2010 and the second was held at Beihang University, Beijing, China in October 2012.

The aim of the MEDER Symposium is to bring together researchers, industry professionals and students from broad ranges of disciplines dealing with mechanism for robots, in an intimate, collegial and stimulating environment. Again, in the 2015 MEDER the event received increased attention, since the proceedings contain contributions by authors from all over the world.

The proceedings of MEDER 2015 Symposium contains 42 papers, which were selected after review for oral presentation. These papers cover several aspects of the wide field of Mechanism Design for Robotics, from theoretical studies up to practical applications through new robot designs and prototypes. They are authored mainly from the IFToMM community coming from China, Denmark, France, Germany, Italy, Japan, Mexico, The Netherlands, Norway, Russia, Singapore, Spain, UK and USA.

We express grateful thanks to the MEDER Symposium International Scientific Committee members including Marco Ceccarelli, Chair (University of Cassino, Italy), Juan Carretero (University of New Brunswick, Canada), Lu Zhen (Beihang University, China), Pierre Laroche (Florida Institute of Technology, USA), Ding Xilun (Beihang University, China), Grigore Gogu (French Institute for Advanced Mechanics, France), I-Ming Chen (Nanyang Technological University, Singapore), Mario Acevedo (Panamerican University, Mexico), Teresa Zielinska (Warsaw University of Technology, Poland), Joseph Rooney (Open University, UK), Atsuo Takanishi (Waseda University, Japan), Alfonso Hernandez (Bilbao University, Spain) for cooperating enthusiastically for the success of the MEDER 2015 event.

We thank the authors who contributed with very interesting papers on several subjects, covering many fields of Mechanism Design for Robotics and additionally for their cooperation in revising papers in due time in agreement with the reviewers' comments. We are grateful to the reviewers for the time and efforts they spent in

evaluating the papers within a given schedule that has permitted the publication of this proceedings volume. These reviewers are Zheng-Hua Tan (Aalborg University, Denmark), Xuping Zhang (Aarhus University, Denmark), Marco Ceccarelli and Giuseppe Carbone (University of Cassino and South Latium, Italy), Juan Antonio Carretero (University of New Brunswick, Canada), Grigore GOGU (French Institute of Advanced Mechanics in Clermont-Ferrand, France), John Hayes (Carleton University, Canada), Ronghua Li (Dalian Jiaotong University, China), Carl Nelson (University of Nebraska–Lincoln, USA), Latifah Nurahmi (IRCCyN, France), Alba Perez Gracia (Idaho State University, USA), Teresa Zielinski (Warsaw University of Technology, Poland), Alfonso Hernandez (University of the Basque Country, Spain), Volkert van der Wijk (University of Twente, The Netherlands) and Tao Li (Institute of Advanced Manufacturing Technology, China).

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We are grateful to our families, as without their patience and comprehension it would not have been possible for us to organize MEDER 2015, IFToMM International Symposium on Mechanism Design for Robotics and this Proceedings volume.

Aalborg
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