

Preface

This book contains the Proceedings of the First International Conference of IFToMM ITALY (IFIT2016). IFToMM ITALY is the Italian branch of IFToMM, the International Federation for the Promotion of Mechanism and Machine Sciences.

The aim of this conference was to bring together researchers, industry professionals and students, from the Italian as well from the international community, in an intimate, collegial and stimulating environment. The sixty papers presented at the conference dealt with the topics belonging to a broad range of disciplines related to theory, design, practice and application of mechanism science, in particular, biomechanical engineering, history of mechanism and machine science, linkages and mechanical controls, multi-body dynamics, reliability, robotics and mechatronics, transportation machinery, tribology, and vibrations. Within the conference, a special session was organized in honor of Prof. Aldo Rossi (past Chair of IFToMM ITALY) in occasion of his 70th birthday celebration.

The First International Conference of IFToMM ITALY association was held at the Department of Management and Engineering (DTG) of the University of Padova, located in the town of Vicenza. The conference was organized under the patronage of International Federation for the Promotion of Mechanism and Machine Science (IFToMM), and was sponsored by the Department of Management and Engineering (DTG) of the University of Padova as well as by the Fondazione Studi Universitari (FSU).

We want to thank the authors for their interesting scientific contributions, the reviewers for their useful feedback, the scientific and the organizing committees for their work, and the people at Springer for their efficient support and help. Altogether, we made IFIT2016 a truly successful event.

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