

Mechanisms and Machine Science

Volume 68

Series editor

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Giuseppe Carbone · Alessandro Gasparetto
Editors

Advances in Italian Mechanism Science

Proceedings of the Second International
Conference of IFToMM Italy

 Springer

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ISSN 2211-0984 ISSN 2211-0992 (electronic)
Mechanisms and Machine Science
ISBN 978-3-030-03319-4 ISBN 978-3-030-03320-0 (eBook)
<https://doi.org/10.1007/978-3-030-03320-0>

Library of Congress Control Number: 2018959231

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This Springer imprint is published by the registered company Springer Nature Switzerland AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

The main goal of this book is to promote and circulate recent developments and achievements in the field of Mechanism and Machine Science in Italy with international participation, ranging from theoretical contributions to experimental and practical applications.

This proceedings book contains the contributions that have been accepted for presentation at the Second International Conference of IFToMM Italy, IFIT 2018. This conference event continues a successful series of conferences that has been established in 2016 by IFToMM Italy with a very successful event in Vicenza.

Italy has been one of the founding member organizations of IFToMM, International Federation for the Promotion of Mechanism and Machine Science, as early as 1969. Since then, the member organization Italy has been active with contributions at national and international level. In 2014, IFToMM Italy has been legally established as the Italian branch of IFToMM by its first president prof. Cesare Rossi in collaboration with Alessandro Gasparetto (vice president), Giuseppe Quaglia (secretary), Giuseppe Carbone (treasurer).

IFIT has been established to bring together researchers, industry professionals, and students, from the Italian as well as from the international community, in an intimate, collegial, and stimulating environment.

The book content includes papers belonging to a broad range of disciplines with special focus at history of MMS, kinematics, transmissions, vehicle dynamics, transportation machinery, bearings, vibrations, design of robots, grasping, exoskeleton designs, medical devices, and service systems. These contributions are provided as a collection of 57 papers that were selected on the basis of a blind peer review process. Among them, the best evaluated papers are granted award recognition in the three IFToMM categories: Research, Applications, and Student.

We would like to thank the members of the Scientific and Organizing Committees for their strong contribution toward the success of IFIT 2018:

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We wish to express our sincere gratitude to the authors and reviewers for their valuable scientific contributions and useful feedbacks to ensure a high scientific quality of IFIT 2018. We are grateful to University of Cassino and South Latium for the patronage and hosting of IFIT 2018. IFToMM sponsorship is also thankfully acknowledged for ensuring international visibility and participation. We are also grateful to Nathalie Jacobs, Anneke Pot, Mieke van der Fluit, and the staff at Springer for their editorial support.

Giuseppe Carbone
Alessandro Gasparetto

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