

# Preface

The present proceedings collects 19 papers that were selected after peer review for the Second Conference on Interdisciplinary Applications in Kinematics, held in Lima, Peru, during September 9–11, 2013.

The objective of the conference was to bring together researchers from different fields where kinematics plays a key role. This includes not only theoretical fields where kinematics is traditionally established, but also fields in which kinematics might contribute to new perspectives for practical applications. Examples are the areas of biomechanics, industrial machinery, molecular kinematics, railway vehicles, among many others.

The participation of 33 researchers and 10 students from 10 countries showed the strong interest these topics find in the scientific community. The site of the conference in Peru not only proved to be very successful, but also helped to foster the international scientific cooperation in this region, which has outstanding potentials.

We thank the authors for submitting their valuable contributions for this conference as well as the reviewers for performing the reviews in due time. We also thank the publisher Springer for the timely implementation of this book and the valuable advices during the production process. We are grateful to the Universidad de Piura Campus Lima, the Pontificia Universidad Católica del Perú as well as the University of Duisburg-Essen for sponsoring this conference and contributing to its success. Our special acknowledgments go to the Förderverein Ingenieurwissenschaften Universität Duisburg-Essen (Association of Friends of Engineering Science of the University of Duisburg-Essen) for their valuable contribution to the funding of the present proceedings. Last but not the least, we thank the International Federation for the Promotion of Mechanism and Machine Science IFToMM for the ideal support by offering its patronage for this conference.

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