**Springer**1st  
edition1st ed. 2019, XI, 274 p. 168  
illus., 93 illus. in color.**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-3-030-16422-5

£ 179,99 | CHF 236,00 | 199,99 € |  
219,99 € (A) | 213,99 € (D)

Available

**Discount group**

Science (SC)

**Product category**

Proceedings

**Series**

Mechanisms and Machine Science

**Engineering : Control , Robotics, Mechatronics**

Kecskeméthy, A., Geu Flores, F., Carrera, E., Elias, D.A. (Eds.), University of Duisburg-Essen, Duisburg, Germany

# Interdisciplinary Applications of Kinematics

**Proceedings of the Third International Conference (IAK)**

This is the proceedings of the Third Conference on Interdisciplinary Applications of Kinematics (IAK 2018) held in Lima, Peru, March 5–7, 2018. The conference brought together scientists from several research fields, such as computational kinematics, multibody systems, industrial machines, robotics, biomechanics, mechatronics, computational chemistry, and vibration analysis, and embraced all key aspects of kinematics, namely, theoretical methods, modeling, optimization, experimental validation, industrial applications, and design. Kinematics is an exciting area of computational mechanics and plays a central role in a great variety of fields and industrial applications nowadays. Apart from research in pure kinematics, the field deals with problems of practical relevance that need to be solved in an interdisciplinary manner in order for new technologies to develop. The results presented in this book should be of interest for practicing and research engineers as well as Ph.D. students from the fields of mechanical and electrical engineering, computer science, and computer graphics.

**Order online at [springer.com/booksellers](https://springer.com/booksellers)****Springer Nature Customer Service Center GmbH**

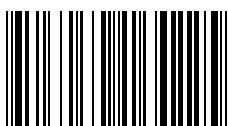
Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

[row-booksellers@springernature.com](mailto:row-booksellers@springernature.com)

ISBN 978-3-030-16422-5 / BIC: TJFM / SPRINGER NATURE: SCT19000

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.