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Autore	Thomas, Matthew
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Preface -- Aspects of the cost-effectiveness of restoration process of the F. Reuleaux mechanisms, by Daria Spasskaya and Natalia Terehova -- Application of rapid prototyping technology for modeling the F. Reuleaux mechanisms, by Maxim Vlasov and Marina Samoylova -- Protoepistemology of Mechanical Engineering in Cassiodorus' Variae or Mission Impossible at Theoderic's Court, by Nadia Ambrosetti -- The Silk Mill "alla Bolognese", by Cristiana Bartolomei and Alfonso Ippolito -- Robots in History: Legends and Prototypes from Ancient Times to the Industrial Revolution, by Alessandro Gasparetto -- The First Hundred Years of Mechanism Science at RWTH Aachen University, by Burkhard Corves -- Mock-Up of an Eighteenth-Century Oil Mill via Rapid-Prototyping, by J.C. Montes, Rafael Lopez-Garcia, Ruben Dorado-Vicente and Francisco Javier Trujillo Vilches -- An Introduction to the Ancient Mechanical Wind-instrument Automata, by Yu-Hsun Chen, Jian-Liang Lin and Hong-Sen Yan -- Dynamic Reconstruction of a Colonial Mexican Mechanism, by Juan Carlos Jauregui and Gabriela Rodriguez-Zahar -- Leibniz's Developments of Machine Science, by Agamenon Oliveira -- On the Mechanics of Living Nature in the Works of V. P. Goryachkin, by Vera Chinenova -- The Transformation of the Largest Aircraft Factory of Romania in Tractors Factory as Result of the Soviet Occupation, by Horia Salca and Dan Savescu -- New Trends in Learning through 3D modeling of Historical Mechanism's Model, by Olga Egorova, Kirill Samsonov and Alexandra Sevryukova -- Some Inventions by Engineers of the Hellenistic Age, by Cesare Rossi -- DING Gongchen, by Baichun Zhang and Yexin Liu -- Lewis Mumford revisited, by Teun Koestier -- Analysis of Structure, Kinematic and 3D Modeling of Ferguson's Mechanisms, by Valentin Tarabarin and Alexey Kozov -- 19th Century String Models at Cornell University: Ruled Surfaces in Gear Design, by Francis Moon and John Abel -- Mechanism of Laoguanshan Pattern Looms from Late 2nd Century BCE, Chengdu, China, by Feng Zhao, Yi Wang, Qun Luo, Bo Long, Baichun Zhang, Yingchong Xia and Tao Xie -- On the battleship by Ansaldo for Chinese Imperial Navy, by Yibing Fang and Marco Ceccarelli -- Dynamic Analysis of an Ancient Tilt-Hammer, by Umberto Meneghetti -- An Analysis of Micro Scratches on Typical Southern Chinese Bronzes – A case study of Crawler-pattern Nao and Chugong Ge, Lie Sun. .
Sommario/riassunto	This volume includes contributions presented at the Fifth IFToMM Symposium on the History of Machines and Mechanisms, held at Universidad Autonoma de Queretaro, Santiago de Queretaro, QRO, Mexico, in June 2016. It contains work on theories and facts concerning mechanisms and machines from antiquity to current times as viewed in the present day. Topics include modern reviews of past works; people, history, and their works; direct memories of the recent past; historic development theories; the history of the design of machines and mechanisms; developments of mechanical design and automation; the historic development of teaching; the history of schools of engineering and the education of engineers. .