Record Nr. UNINA9910254228603321 Explorations in the History of Machines and Mechanisms: Proceedings **Titolo** of the Fifth IFToMM Symposium on the History of Machines and Mechanisms / / edited by Carlos López-Cajún, Marco Ceccarelli Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2016 **ISBN** 3-319-31184-0 Edizione [1st ed. 2016.] 1 online resource (256 p.) Descrizione fisica History of Mechanism and Machine Science, , 1875-3442;; 32 Collana 621.09 Disciplina Soggetti Mechanical engineering Mechanics Mechanics, Applied History Mechanical Engineering Theoretical and Applied Mechanics History of Science Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali 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

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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.