1. Record Nr. UNINA9910728948703321

Autore	Caro Stéphane
Titolo	Cable-Driven Parallel Robots : Proceedings of the 6th International Conference on Cable-Driven Parallel Robots / / edited by Stéphane Caro, Andreas Pott, Tobias Bruckmann
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031323225 303132322X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (457 pages)
Collana	Mechanisms and Machine Science, , 2211-0992 ; ; 132
Altri autori (Persone)	PottAndreas BruckmannTobias
Disciplina	629.892
Soggetti	Automatic control Robotics Automation Machinery Multibody systems Vibration Mechanics, Applied Control, Robotics, Automation Machinery and Machine Elements Multibody Systems and Mechanical Vibrations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This volume gathers the latest advances, innovations and applications in the field of cable robots, as presented by leading international researchers and engineers at the 6th International Conference on Cable-Driven Parallel Robots (CableCon), held in Nantes, France on June 25-28, 2023. It covers the theory and applications of cable-driven parallel robots, including their classification, kinematics and singularity analysis, workspace, statics and dynamics, cable modeling and technologies, control and calibration, design methodologies, hardware development, experimental evaluation and prototypes, as well as

application reports and new application concepts. The contributions, which were selected through a rigorous international peer-review process, share exciting ideas that will spur novel research directions and foster new multidisciplinary collaborations.