Record Nr. UNINA9910254206803321 Proceedings of the 2015 Chinese Intelligent Systems Conference: **Titolo** Volume 1 / / edited by Yingmin Jia, Junping Du, Hongbo Li, Weicun Zhang Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa **ISBN** 3-662-48386-6 Edizione [1st ed. 2016.] 1 online resource (650 p.) Descrizione fisica Lecture Notes in Electrical Engineering, , 1876-1100 Collana 620 Disciplina Soggetti Computational intelligence Artificial intelligence Robotics Automation Computational Intelligence Artificial Intelligence Robotics and Automation 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 Observer Design for Discrete-time Switched Lipschitz Nonlinear Singular Systems with Time Delays and Unknown Inputs -- Research on grasping planning for apple picking robot's end-effector -- Regionbased shape control for multi-robot systems with uncertain kinematics and dynamics -- Location and Navigation Study of Laser Base Station. This book presents selected research papers from the 2015 Chinese Sommario/riassunto Intelligent Systems Conference (CISC'15), held in Yangzhou, China. The topics covered include multi-agent systems, evolutionary computation, artificial intelligence, complex systems, computation intelligence and soft computing, intelligent control, advanced control technology, robotics and applications, intelligent information processing, iterative learning control, and machine learning. Engineers and researchers from academia, industry and the government can gain valuable insights into solutions combining ideas from multiple disciplines in the field of intelligent systems.