

1. Record Nr.	UNINA9910299315303321
Titolo	Robotic Grasping and Manipulation [[electronic resource]] : First Robotic Grasping and Manipulation Challenge, RGMC 2016, Held in Conjunction with IROS 2016, Daejeon, South Korea, October 10–12, 2016, Revised Papers / / edited by Yu Sun, Joe Falco
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-94568-8
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (VIII, 201 p. 126 illus.)
Collana	Communications in Computer and Information Science, , 1865-0929 ; ; 816
Disciplina	629.892
Soggetti	Artificial intelligence Computer software—Reusability Special purpose computers Artificial Intelligence Performance and Reliability Special Purpose and Application-Based Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Robotic competition -- Hand-in-hand grasping -- Fully autonomous grasping -- Simulation.
Sommario/riassunto	This book constitutes the refereed proceedings of the First Robotic Grasping and Manipulation Challenge, RGMC 2016, held at IROS 2016, Daejeon, South Korea, in October 2016. The 13 revised full papers presented were carefully reviewed and are describing the rules, results, competitor systems and future directions of the inaugural competition. The competition was designed to allow researchers focused on the application of robot systems to compare the performance of hand designs as well as autonomous grasping and manipulation solutions across a common set of tasks. The competition was comprised of three tracks that included hand-in-hand grasping, fully autonomous grasping, and simulation.