

1. Record Nr.	UNINA9910484387603321
Titolo	Algorithmic foundations of robotics XIII : proceedings of the 13th Workshop on the Algorithmic Foundations of Robotics, Mérida, México, December 9-11, 2018 // editors, Marco Morales [et al.]
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-44051-6
Edizione	[1st edition 2020.]
Descrizione fisica	1 online resource (xxii, 959 pages) : illustrations
Collana	Springer Proceedings in Advanced Robotics, , 2511-1256 ; ; 14
Disciplina	629.892
Soggetti	Algorithms Machine learning Robotics Robotics - Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This book gathers the outcomes of the thirteenth Workshop on the Algorithmic Foundations of Robotics (WAFR), the premier event for showcasing cutting-edge research on algorithmic robotics. The latest WAFR, held at Universidad Politécnica de Yucatán in Mérida, México on December 9–11, 2018, continued this tradition. This book contains fifty-four papers presented at WAFR, which highlight the latest research on fundamental algorithmic robotics (e.g., planning, learning, navigation, control, manipulation, optimality, completeness, and complexity) demonstrated through several applications involving multi-robot systems, perception, and contact manipulation. Addressing a diverse range of topics in papers prepared by expert contributors, the book reflects the state of the art and outlines future directions in the field of algorithmic robotics.