

1. Record Nr.	UNINA9910299738103321
Titolo	Distributed Autonomous Robotic Systems : The 11th International Symposium // edited by M. Ani Hsieh, Gregory Chirikjian
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
ISBN	3-642-55146-7
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XXII, 450 p. 207 illus., 95 illus. in color.)
Collana	Springer Tracts in Advanced Robotics, , 1610-7438 ; ; 104
Disciplina	629.892
Soggetti	Robotics Automation Artificial intelligence Robotics and Automation Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Coordination for Perception, Coverage, and Tracking -- Task Allocation and Coordination Strategies -- Modular Robots and Novel Mechanisms and Sensors -- Formation Control and Motion Planning for Robot Teams -- Learning, Adaptation, and Cognition in Many Robot Systems. -
Sommario/riassunto	Distributed robotics is a rapidly growing and maturing interdisciplinary research area lying at the intersection of computer science, network science, control theory, and electrical and mechanical engineering. The goal of the Symposium on Distributed Autonomous Robotic Systems (DARS) is to exchange and stimulate research ideas to realize advanced distributed robotic systems. This volume of proceedings includes 31 original contributions presented at the 2012 International Symposium on Distributed Autonomous Robotic Systems (DARS 2012) held in November 2012 at the Johns Hopkins University in Baltimore, MD USA. The selected papers in this volume are authored by leading researchers from Asia, Europa, and the Americas, thereby providing a broad coverage and perspective of the state-of-the-art technologies, algorithms, system architectures, and applications in distributed

robotic systems. The book is organized into five parts, representative of critical long-term and emerging research thrusts in the multi-robot community: Coordination for Perception, Coverage, and Tracking; Task Allocation and Coordination Strategies; Modular Robots and Novel Mechanisms and Sensors; Formation Control and Planning for Robot Teams; and Learning, Adaptation, and Cognition for Robot Teams.

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