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Titolo	Neural Networks for Cooperative Control of Multiple Robot Arms // by Shuai Li, Yinyan Zhang
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ISBN	981-10-7037-7
Descrizione fisica	1 online resource (xv, 74 pages) : illustrations
Collana	SpringerBriefs in Computational Intelligence, , 2625-3704
Disciplina	629.892
Soggetti	Control engineering Robotics Mechatronics Neural networks (Computer science) Computer simulation Computational intelligence Computer mathematics Control, Robotics, Mechatronics Mathematical Models of Cognitive Processes and Neural Networks Simulation and Modeling Computational Intelligence Computational Science and Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Neural Networks Based Single Robot Arm Control for Visual Servoing -- Neural Networks for Robot Arm Cooperation with a Start Control Topology -- Neural Networks for Robot Arm Cooperation with a Hierarchical Control Topology -- Neural Networks for Robot Arm Cooperation with a Full Distributed Control Topology.
Sommario/riassunto	This is the first book to focus on solving cooperative control problems of multiple robot arms using different centralized or distributed neural network models, presenting methods and algorithms together with the corresponding theoretical analysis and simulated examples. It is intended for graduate students and academic and industrial researchers in the field of control, robotics, neural networks, simulation

and modelling.
