

1. Record Nr.	UNINA9910299818703321
Titolo	Robot Intelligence Technology and Applications 3 : Results from the 3rd International Conference on Robot Intelligence Technology and Applications // edited by Jong-Hwan Kim, Weimin Yang, Jun Jo, Peter Sincak, Hyun Myung
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-16841-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (814 p.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 345
Disciplina	006.3 344099 620 629.892
Soggetti	Computational intelligence Artificial intelligence International law Sports - Law and legislation Control engineering Robotics Automation Computational Intelligence Artificial Intelligence International Sports Law Control, Robotics, Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Ambient, Behavioral, Cognitive, Collective, and Social Intelligences -- Computational Intelligence and Intelligent Design for Advanced Robotics -- Applications for Robot Intelligence Technology.
Sommario/riassunto	This book covers all aspects of robot intelligence from perception at sensor level and reasoning at cognitive level to behavior planning at execution level for each low level segment of the machine. It also

presents the technologies for cognitive reasoning, social interaction with humans, behavior generation, ability to cooperate with other robots, ambience awareness, and an artificial genome that can be passed on to other robots. These technologies are to materialize cognitive intelligence, social intelligence, behavioral intelligence, collective intelligence, ambient intelligence and genetic intelligence. The book aims at serving researchers and practitioners with a timely dissemination of the recent progress on robot intelligence technology and its applications, based on a collection of papers presented at the 3rd International Conference on Robot Intelligence Technology and Applications (RiTA), held in Beijing, China, November 6 - 8, 2014. For better readability, this edition has the total 74 papers grouped into 3 chapters: Chapter I: Ambient, Behavioral, Cognitive, Collective, and Social Robot Intelligence, Chapter II: Computational Intelligence and Intelligent Design for Advanced Robotics, Chapter III: Applications of Robot Intelligence Technology, where individual chapters, edited respectively by Peter Sincak, Hyun Myung, Jun Jo along with Weimin Yang and Jong-Hwan Kim, begin with a brief introduction written by the respective chapter editors. .
