

1. Record Nr.	UNINA9910299709703321
Titolo	Soft Computing in Intelligent Control // edited by Sungshin Kim, Jin-Woo Jung, Naoyuki Kubota
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-05570-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (102 p.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 272
Disciplina	629.895630151563
Soggetti	Computational intelligence Artificial intelligence Control engineering Computational Intelligence Artificial Intelligence Control and Systems Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Experimental verification and analysis for ability of defect detection with angle for axis direction of guided wave using magnetostrictive sensor -- System for Proving N-screen Service using Depth-based Visual Object Groupings -- Fuzzy-Tuning PID Controller for Nonlinear Electromagnetic Levitation System -- An Effect of Traffic Speed on Maritime Accidents -- Robust Object Detection in Sea Environment Based on DWT -- Detection Method of Radio Frequency Interference Using Raw Measurement of Multi-GNSS Receivers -- Creating an ontological model for the tax system in Kazakhstan -- 2030 Toy Web of the Future -- Cooperation Level Estimation of Pair Work Using Top-view Image -- Korean Word Search Interface for Wearable Computers Using a Wrist-Mounted Camera Device.
Sommario/riassunto	Nowadays, people have tendency to be fond of smarter machines that are able to collect data, make learning, recognize things, infer meanings, communicate with human and perform behaviors. Thus, we have built advanced intelligent control affecting all around societies;

automotive, rail, aerospace, defense, energy, healthcare, telecoms and consumer electronics, finance, urbanization. Consequently, users and consumers can take new experiences through the intelligent control systems. We can reshape the technology world and provide new opportunities for industry and business, by offering cost-effective, sustainable and innovative business models. We will have to know how to create our own digital life. The intelligent control systems enable people to make complex applications, to implement system integration and to meet society's demand for safety and security. This book aims at presenting the research results and solutions of applications in relevance with intelligent control systems. We propose to researchers and practitioners some methods to advance the intelligent controls and apply the intelligent control to specific or general purpose. This book consists of 10 contributions that feature an experimental verification of defect detections, depth-based visual object groupings, fuzzy-tuning PID controller, and control of traffic speed, robust object detection, and detection method of radio frequency interference, ontological model for the tax system, future toy web, cooperation level estimation, and interface for wearable computers. This edition is published in original, peer reviewed contributions covering from initial design to final prototypes and authorization. .
