1. Record Nr. UNINA9910254313103321

Autore	Liu Honghai
Titolo	Human Motion Sensing and Recognition : A Fuzzy Qualitative Approach / / by Honghai Liu, Zhaojie Ju, Xiaofei Ji, Chee Seng Chan, Mehdi Khoury
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2017
ISBN	3-662-53692-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVI, 281 p. 131 illus., 112 illus. in color.)
Collana	Studies in Computational Intelligence, , 1860-949X ; ; 675
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Biomedical engineering Human physiology Computational Intelligence Artificial Intelligence Biomedical Engineering and Bioengineering Human Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Fuzzy Qualitative Trigonometry -- Fuzzy Qualitative Robot Kinematics -- Fuzzy Qualitative Human Motion Analysis -- Fuzzy Gaussian Mixture Models -- Fuzzy Empirical Copula for Estimating Data Dependence Structure -- A Unified Fuzzy Framework for Human Hand Motion Recognition -- Human Hand Motion Analysis with Multisensory Information -- A Novel Approach to Extract Hand Gesture Feature in Depth Images -- Recognizing Constrained 3D Human Motion: An Inference Approach -- Study of Human Action Recognition Based on Improved Spatio-temporal Features -- A View-invariant Action Recognition based on Multi-view Space Hidden Markov Models. .
Sommario/riassunto	This book introduces readers to the latest exciting advances in human motion sensing and recognition, from the theoretical development of fuzzy approaches to their applications. The topics covered include human motion recognition in 2D and 3D, hand motion analysis with

contact sensors, and vision-based view-invariant motion recognition, especially from the perspective of Fuzzy Qualitative techniques. With the rapid development of technologies in microelectronics, computers, networks, and robotics over the last decade, increasing attention has been focused on human motion sensing and recognition in many emerging and active disciplines where human motions need to be automatically tracked, analyzed or understood, such as smart surveillance, intelligent human-computer interaction, robot motion learning, and interactive gaming. Current challenges mainly stem from the dynamic environment, data multi-modality, uncertain sensory information, and real-time issues. These techniques are shown to effectively address the above challenges by bridging the gap between symbolic cognitive functions and numerical sensing & control tasks in intelligent systems. The book not only serves as a valuable reference source for researchers and professionals in the fields of computer vision and robotics, but will also benefit practitioners and graduates/postgraduates seeking advanced information on fuzzy techniques and their applications in motion analysis.

2. Record Nr. UNINA9910893062603321

Titolo	Journal of articles in support of the null hypothesis
Pubbl/distr/stampa	Santa Cruz, Calif., : Reysen Group, ©2002-
Disciplina	150
Soggetti	Psychology - Research Behavioral Sciences Psychometrics Research Design Probability & Statistics Periodical Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

Title from journal home page (viewed Aug. 29, 2002).