

1. Record Nr.	UNINA9910254226203321
Titolo	Recent Developments and New Direction in Soft-Computing Foundations and Applications [[electronic resource]] : Selected Papers from the 4th World Conference on Soft Computing, May 25-27, 2014, Berkeley // edited by Lotfi A. Zadeh, Ali M. Abbasov, Ronald R. Yager, Shahnaz N. Shahbazova, Marek Z. Reformat
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-32229-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (VIII, 529 p. 201 illus., 40 illus. in color.)
Collana	Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 342
Disciplina	511.313
Soggetti	Computational intelligence Data mining Artificial intelligence Mathematical models Control engineering Computational Intelligence Data Mining and Knowledge Discovery Artificial Intelligence Mathematical Modeling and Industrial Mathematics Control and Systems Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I Educational and Human-related Issues -- Part II Aggregation -- Part III Image Processing and Pattern Recognition -- Part IV Classification and Clustering -- Part V Data Analysis and Its Applications -- Part VI Optimization and Differential Equations -- Part VII Evolutionary Methods in Applications -- Part VIII Control and Modeling -- Part IX Soft Computing in Informatics.
Sommario/riassunto	This book reports on advanced theories and cutting-edge applications in the field of soft computing. The individual chapters, written by leading researchers, are based on contributions presented during the 4th World Conference on Soft Computing, held May 25-27, 2014, in

Berkeley. The book covers a wealth of key topics in soft computing, focusing on both fundamental aspects and applications. The former include fuzzy mathematics, type-2 fuzzy sets, evolutionary-based optimization, aggregation and neural networks, while the latter include soft computing in data analysis, image processing, decision-making, classification, series prediction, economics, control, and modeling. By providing readers with a timely, authoritative view on the field, and by discussing thought-provoking developments and challenges, the book will foster new research directions in the diverse areas of soft computing. .
