1. Record Nr.   UNINA9910299480403321

   Titolo   Advanced Intelligent Computational Technologies and Decision Support Systems / / edited by Barna Iantovics, Roumen Kountchev

   Pubbl/distr/stampa   Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014

   ISBN   3-319-00467-0

   Edizione   [1st ed. 2014.]

   Descrizione fisica   1 online resource (X, 243 p. 102 illus.)

   Collana   Studies in Computational Intelligence, , 1860-949X ; ; 486

   Disciplina   006.3

   Soggetti   Computational intelligence
                    Artificial intelligence
                    Computational Intelligence
                    Artificial Intelligence

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di contenuto   From the Contents: Medical Decision Support System Using Pattern Recognition Methods for Assessment of Dermatoglyphic Indices and Diagnosis of Down's Syndrome -- New Format for Coding of Single and Sequences of Medical Images -- Rule-Based Classification of Patients Screened with the MMPI Test in the Copernicus System.

   Sommario/riassunto   This book offers a state of the art collection covering themes related to Advanced Intelligent Computational Technologies and Decision Support Systems which can be applied to fields like healthcare assisting the humans in solving problems. The book brings forward a wealth of ideas, algorithms and case studies in themes like: intelligent predictive diagnosis; intelligent analyzing of medical images; new format for coding of single and sequences of medical images; Medical Decision Support Systems; diagnosis of Down's syndrome; computational perspectives for electronic fetal monitoring; efficient compression of CT Images; adaptive interpolation and halftoning for medical images; applications of artificial neural networks for real-life problems solving; present and perspectives for Electronic Healthcare Record Systems; adaptive approaches for noise reduction in sequences of CT images etc.