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   Titolo   Iris Image Recognition : Wavelet Filter-banks Based Iris Feature
                        Extraction Schemes / / by Amol D. Rahulkar, Raghunath S. Holambe

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   Edizione   [1st ed. 2014.]

   Descrizione fisica   1 online resource (95 p.)

   Collana   SpringerBriefs in Signal Processing, , 2196-4076

   Disciplina   006.4

   Soggetti   Signal processing
                        Image processing
                        Speech processing systems
                        Optical data processing
                        System safety
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   Nota di bibliografia Includes bibliographical references.

   Nota di contenuto   Introduction -- Features Based on Triplet Half-band Wavelet Filter-
                        banks -- Combined Directional Wavelet Filter-banks Based Features --
                        Iris Representation by Combined Hybrid Directional Wavelet Filter-
                        banks -- Ordinal Measures Based on Directional Ordinal Wavelet Filters.

   Sommario/riassunto   This book provides the new results in wavelet filter banks based feature
                        extraction, and the classifier in the field of iris image recognition. It
                        provides the broad treatment on the design of separable, non-
                        separable wavelets filter banks, and the classifier. The design
                        techniques presented in the book are applied on iris image analysis for
                        person authentication. This book also brings together the three strands
                        of research (wavelets, iris image analysis, and classifier). It compares
                        the performance of the presented techniques with state-of-the-art
                        available schemes. This book contains the compilation of basic material
                        on the design of wavelets that avoids reading many different books.
                        Therefore, it provide an easier path for the new-comers, researchers to

master the contents. In addition, the designed filter banks and classifier can also be effectively used than existing filter-banks in many signal processing applications like pattern classification, data-compression, watermarking, denoising etc. that will give the new directions of the research in the relevant field for the readers.