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Nota di contenuto	Intro -- Preface -- Contents -- Part I Authentication Based on Measurements of Human Characteristics -- 1 Efficient Fingerprint Analysis Based on Sweat Pore Map -- 1.1 Introduction -- 1.2 Related Works -- 1.3 Proposed Approach -- 1.3.1 Step 1: Pores Detection -- 1.3.2 Step 2: Features Extraction -- 1.3.3 Step 3: Pores Alignment -- 1.3.4 Step 4: Pores Matching -- 1.4 Experiments and Performance Evaluation -- 1.4.1 Data Base -- 1.4.2 Training and Test Process -- 1.4.3 Feature Matching -- 1.4.4 Performance Evaluation -- 1.5 Conclusion -- References -- 2 Fingerprint Recognition Based on Level Three Features -- 2.1 Introduction -- 2.2 Biometry Background -- 2.2.1 Biometric Systems -- 2.2.2 Biology of the Fingerprint -- 2.3 Pores Detection -- 2.3.1 Related Works -- 2.3.2 Proposed Method -- 2.4 Pores Matching -- 2.4.1 Related Works -- 2.4.2 Proposed Method -- 2.5 Experimental Results -- 2.5.1 Database -- 2.5.2 Pores Detection -- 2.5.3 Recognition -- 2.6 Conclusion -- References -- 3 Fractal Analysis for Iris Multimodal Biometry -- 3.1 Introduction -- 3.2 Related Works -- 3.3 Feature Extraction Based on Fractal Analysis -- 3.4 Uni-Modal Recognition System -- 3.4.1 PBMLTiris Database Description -- 3.4.2 Pre-processing -- 3.4.3 Iris Segmentation (Daugman's Operator) -- 3.4.4 Normalization Based on the Pseudo-Polar Method (Masšek, ch3AmenispsbibspMaek2003RecognitionOH) -- 3.4.5 Matching -- 3.5 Multi-modal Recognition System -- 3.5.1 Limitations of Uni-Modal Recognition System (Singh et al.,

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