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Soggetti	Biometrics (Biology) Signal processing Image processing Speech processing systems Optical data processing Computer security Biometrics Signal, Image and Speech Processing Computer Imaging, Vision, Pattern Recognition and Graphics Systems and Data Security
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Nota di contenuto	Access Control, Logical -- Access Control, Physical -- Age Estimation -- Anatomy of Friction Ridge Skin -- Anatomy of the Hand -- And-Or Graph Face Model and Its Applications in Artistic Sketching and Aging Simulation -- ANSI/NIST-ITL Standard: Data Format for the Interchange of Fingerprint, Facial, and Other Biometric Information -- Anti- spoofing, Evaluation Methodologies -- Anti-spoofing, Face -- Anti- spoofing, Face Databases -- Anti-spoofing, Fingerprint (Fake Fingers) -- Anti-spoofing, Fingerprint (Hardware and Software) -- Anti- spoofing, Fingerprint Databases -- Anti-spoofing, Iris -- Anti- spoofing, Iris Databases -- Anti-spoofing, Multimodal -- Anti- spoofing, Voice -- Anti-spoofing, Voice Conversion -- Anti-spoofing, Voice Databases -- Automatic Analysis of Facial Expressions -- Automatic Classification of Left/Right Iris Image -- Background Checks -- Back-of-Hand Vascular Recognition -- BioAPI, Standardization --

Biometric Algorithms -- Biometric and User Data, Binding of -- Biometric Applications, Overview -- Biometric Data Interchange Format Standards -- Biometric Identity Assurance Services -- Biometric Interfaces -- Biometric Sample Acquisition -- Biometric Sample Quality -- Biometric Sample Quality, Standardization -- Biometric Sample Synthesis -- Biometric Security Standards -- Biometric Sensor and Device, Overview -- Biometric System Design, Overview -- Biometric System-on-Card -- Biometric System-on-Card, Standardization -- Biometric Systems, Agent-Based -- Biometric Technical Interface, Standardization -- Biometric Template Binarization -- Biometric Verification/Identification/Authentication/Recognition: The Terminology -- Biometric Vocabulary Standardization -- Biometric Vulnerabilities, Overview -- Biometric Zoo Menagerie -- Biometrics on Mobile Devices -- Biometrics, Overview -- Cancelable Biometrics -- Fingerprint Databases for Technology Evaluation, Characterization and Measurement of Difficulty -- Cohort-Based Score Normalization -- Common Biometric Exchange Formats Framework Standardization -- Comparative Anatomy of the Face -- Configuration Issues, System Design -- Deformable Models -- Dental Biometrics -- Digitizing Tablet -- DNA Data Format Standardization -- Ear Biometrics -- Ear Biometrics, 3D -- Earprints, Forensic Evidence of -- Ear Recognition, Physical Analogies -- EEG Biometrics -- Embedded Systems -- Encryption, Biometric -- Ensemble Learning -- Environmental Testing Methodology of Biometric System Performance, Standardization -- Ergonomic Design for Biometric Systems -- Eye Features and Anatomy -- Face Alignment -- Face Databases and Evaluation -- Face Detection -- Face Device -- Face Misalignment Problem -- Face Pose Analysis -- Face Recognition Standards -- Face Recognition, 3D-Based -- Face Recognition, Component-Based -- Face Recognition, Geometric vs. Appearance-Based -- Face Recognition, Near-Infrared -- Face Recognition, Overview -- Face Recognition, Thermal -- Face Recognition, Video-Based -- Face Sample Quality -- Face Sample Synthesis -- Face Tracking -- Face Variation -- Face, Forensic Evidence of -- Finger Data Interchange Format, Standardization -- Finger Geometry, 3D -- Finger Vein -- Finger Vein Biometric Algorithm -- Finger Vein Pattern Imaging -- Finger Vein Reader -- Fingerprint Classification -- Fingerprint Compression -- Fingerprint Databases and Evaluation -- Fingerprint Features -- Fingerprint Hashing -- Fingerprint Image Enhancement -- Fingerprint Image Quality -- Fingerprint Indexing -- Fingerprint Matching, Automatic -- Fingerprint Matching, Manual -- Fingerprint Recognition, Overview -- Fingerprint Sample Synthesis -- Fingerprint Templates -- Fingerprint, Palmprint, Handprint, and Soleprint Sensor -- Footstep Recognition -- Footwear Recognition -- Forensic Applications, Overview -- Forensic Barefoot Comparisons -- Forensic DNA Evidence -- Forensic Use of Fingerprints and Fingermarks -- Fraud Reduction, Applications -- Fraud Reduction, Overview -- Fusion, Decision-Level -- Fusion, Feature-Level -- Fusion, Quality-Based -- Fusion, Rank-Level -- Fusion, Score-Level -- Fusion, Sensor Level -- Fusion, User-Specific -- Gait Biometrics, Overview -- Gait Recognition, Model-Based -- Gait Recognition, Motion Analysis for -- Gait Recognition, Silhouette-Based -- Gait Recognition, Evaluation -- Gait, Forensic Evidence of -- Gaussian Mixture Models -- Gender Classification -- Hand Data Interchange Format, Standardization -- Hand Databases and Evaluation -- Hand Geometry -- Hand Shape -- Hand Veins -- Hand-Geometry Device -- Heterogeneous Face Biometrics -- Hidden Markov Models -- Human Detection and Tracking -- Human-Biometric Sensor Interaction -- Illumination Compensation -- Image Formation -- Image Pattern Recognition -- Implementation

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biometrics including concepts, modalities, algorithms, devices, systems, security, performance testing, applications and standardization. With an A-Z format and over 1400 entries, it provides easy access to relevant information on all aspects of biometrics for those seeking entry into this broad field. Entries are written by experts in biometrics and related fields. Each entry includes a definition, key words, list of synonyms, list of related entries, illustration(s), applications and a bibliography. Most entries include useful literature references providing the reader with a portal to more detailed information. Comprehensive and tutorial, the Encyclopedia of Biometrics, 2nd Edition is a practical resource for experts in the field and professionals interested in aspects of biometrics.

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