

图书基本信息

书名：《Advanced Studies in Biometrics 高级生物特征识别研究》

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内容概要

Automatic person authentication, the identification and verification of an individual as such, has increasingly been acknowledged as a significant aspect of various security applications. Various recognition and identification systems have been based on biometrics utilizing biometric features such as fingerprint, face, retina scans, iris patterns, hand geometry, DNA traces, gait, and others. This book originates from an international summer school on biometrics, held in Alghero, Italy, in June 2003. The seven revised tutorial lectures by leading researchers introduce the reader to biometrics-based person authentication, fingerprint recognition, gait recognition, various aspects of face recognition and face detection, topologies for biometric recognition, and hand detection. Also included are the four best selected student papers, all dealing with face recognition.

书籍目录

Combining Biometric Evidence for Person Authentication
Biometric Gait Recognition
A Tutorial on Fingerprint Recognition
Spiral Topologies for Biometric Recognition
Statistical Learning Approaches with Application to Face Detection
Hand Detection by Direct Convexity Estimation
Template-Based Hand Detection and Tracking
Student Papers
3D Face Recognition Using Stereoscopic Vision
Selection of Location, Frequency, and Orientation Parameters of 2D Gabor Wavelets for Face Recognition
A Face Recognition System Based on Local Feature Characterization
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