

An in-depth examination of the cutting edge of biometrics

This book fills a gap in the literature by detailing the recent advances and emerging theories, methods, and applications of biometric systems in a variety of infrastructures. Edited by a panel of experts, it provides comprehensive coverage of:

- Multilinear discriminant analysis for biometric signal recognition
- Biometric identity authentication techniques based on neural networks
- Multimodal biometrics and design of classifiers for biometric fusion
- Feature selection and facial aging modeling for face recognition
- Geometrical and statistical models for video-based face authentication
- Near-infrared and 3D face recognition
- Recognition based on fingerprints and 3D hand geometry
- Iris recognition and ECG-based biometrics
- Online signature-based authentication
- Identification based on gait
- Information theory approaches to biometrics
- Biologically inspired methods and biometric encryption
- Biometrics based on electroencephalography and event-related potentials

Biometrics: Theory, Methods, and Applications is an indispensable resource for researchers, security experts, policymakers, engineers, and graduate students.

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