

1. Record Nr.	UNINA9910148792703321
Autore	Zhang David
Titolo	Discriminative Learning in Biometrics // by David Zhang, Yong Xu, Wangmeng Zuo
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2016
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XIII, 266 p. 110 illus., 73 illus. in color.)
Disciplina	570.15195
Soggetti	Biometrics (Biology) Pattern recognition Biometrics Pattern Recognition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Discriminative Learning in Biometrics -- 2. Metric Learning with Biometric Applications -- 3. Sparse Representation-based Classification for Biometric Recognition -- 4. Discriminative Features for Palmprint Authentication -- 5. Orientation Features and Distance Measure of Palmprint Authentication -- 6. Multifeature Palmprint Authentication -- 7. Discriminative Learning via Encouraging Virtual Face Images -- 8. Sparse Representation-based Methods for Face Recognition -- 9. Fusion Methodologies of Multiple Traits -- 10. Discussions and Future Work.
Sommario/riassunto	This monograph describes the latest advances in discriminative learning methods for biometric recognition. Specifically, it focuses on three representative categories of methods: sparse representation-based classification, metric learning, and discriminative feature representation, together with their applications in palmprint authentication, face recognition and multi-biometrics. The ideas, algorithms, experimental evaluation and underlying rationales are also provided for a better understanding of these methods. Lastly, it discusses several promising research directions in the field of discriminative biometric recognition. .

