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Titolo	Kernel learning algorithms for face recognition // Jun-Bao Li, Shu-Chuan Chu, Jeng-Shyang Pan
Pubbl/distr/stampa	New York : , : Springer, , 2014
ISBN	1-4614-0161-5
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (xv, 225 pages) : illustrations (some color)
Collana	Gale eBooks
Disciplina	006.31
Soggetti	Human face recognition (Computer science) Machine learning Algorithms Kernel functions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Statistical Learning and Face Recognition -- Kernel Learning Foundation -- Kernel Principal Analysis Based Face Recognition -- Kernel Discriminant Analysis Based Face Recognition -- Kernel Manifold Learning Based Face Recognition -- Kernel Semi-supervised Based Face Recognition -- Kernel Learning Based Face Recognition for Smart Environment -- Kernel Optimization Based Face Recognition -- Kernel Construction for Face Recognition.
Sommario/riassunto	This book discusses the advanced kernel learning algorithms and its application on face recognition. The book focuses on the theoretical deviation, the system framework and experiments involving kernel based face recognition. This authors aim to solve the parameter selection problems endured by kernel learning algorithms, and presents kernel optimization method with the data dependent kernel. This text extends the definition of data-dependent kernel and applies it to kernel optimization. Included within are algorithms of kernel based face recognition and the feasibility of the kernel based face recognition method.