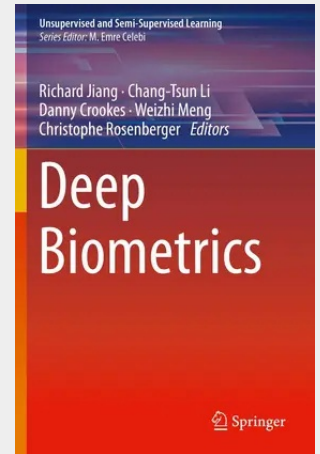


Deep Biometrics

This book highlights new advances in biometrics using deep learning toward deeper and wider background, deeming it "Deep Biometrics". The book aims to highlight recent developments in biometrics using semi-supervised and unsupervised methods such as Deep Neural Networks, Deep Stacked Autoencoder, Convolutional Neural Networks, Generative Adversary Networks, and so on. The contributors demonstrate the power of deep learning techniques in the emerging new areas such as privacy and security issues, cancellable biometrics, soft biometrics, smart cities, big biometric data, biometric banking, medical biometrics, healthcare biometrics, and biometric genetics, etc. The goal of this volume is to summarize the recent advances in using Deep Learning in the area of biometric security and privacy toward deeper and wider applications. - Highlights the impact of deep learning over the field of biometrics in a wide area; - Exploits the deeper and wider background of biometrics, such as privacy versus security, biometric big data, biometric genetics, and biometric diagnosis, etc.; - Introduces new biometric applications such as biometric banking, internet of things, cloud computing, and medical biometrics.

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139,09 €

129,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030325855

Medium: Buch

ISBN: 978-3-030-32585-5

Verlag: Springer

Erscheinungstermin: 26.08.2021

Sprache(n): Englisch

Auflage: 1. Auflage 2020

Serie: Unsupervised and Semi-Supervised Learning

Produktform: Kartoniert

Gewicht: 504 g

Seiten: 320

Format (B x H): 155 x 235 mm

