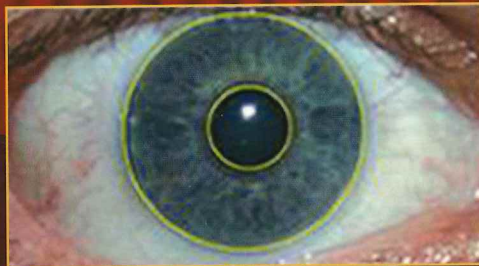


Multibiometrics for Human Identification



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In today's security-conscious society, real-world applications for authentication or identification require a highly accurate system for recognizing individual humans. The required level of performance cannot be achieved through the use of a single biometric such as face, fingerprint, ear, iris, palm, gait, or speech. Fusing multiple biometrics enables the indexing of large databases, more robust performance, and enhanced coverage of populations. Multiple biometrics are also naturally more robust against attacks than single biometrics.

This book addresses a broad spectrum of research issues on multibiometrics for human identification, ranging from sensing modes and modalities to fusion of biometric samples and combination of algorithms. It covers publicly available multibiometrics databases, theoretical and empirical studies on sensor fusion techniques in the context of biometrics authentication, identification, and performance evaluation and prediction.

Dr. Bir Bhanu is the Distinguished Professor of Electrical Engineering and serves as the Director of the Interdisciplinary Center for Research in Intelligent Systems and the Visualization and Intelligent Systems Laboratory at the University of California, Riverside (UCR). He is a coauthor of seven authored books and three edited books, has 12 patents, and has authored more than 350 reviewed technical publications, including more than 100 journal papers.

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UNIVERSITY PRESS
www.cambridge.org

ISBN 978-0-521-11596-4



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Cover design by David Levy