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Computer Science : Pattern Recognition

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Biometric Systems

Technology, Design and Performance Evaluation

- **The only book to cover the implementation of test procedures (including the most comprehensive set of biometric test results ever undertaken)**

The use of computers to recognize humans from physical and behavioral traits dates back to the digital computer evolution of the 1960s. But even after decades of research and hundreds of major deployments, the field of biometrics remains fresh and exciting as new technologies are developed and old technologies are improved and fielded in new applications. Worldwide over the past few years, there has been a marked increase in both government and private sector interest in large-scale biometric deployments for accelerating human-machine processes, efficiently delivering human services, fighting identity fraud and even combating terrorism. The purpose of this book is to explore the current state of the art in biometrics systems and it is the system aspect that we have wished to emphasize. By their nature, biometric technologies sit at the exact boundary of the human-machine interface. But like all technologies, by themselves they can provide no value until deployed in a system with support hardware, network connections, computers, policies and procedures, all tuned together to work with people to improve some real business process within a social structure.

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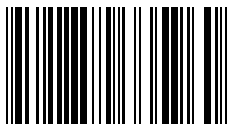
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