Advances in Biometric Person Authentication


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Preface

Automatic and reliable authentication of individuals is becoming an essential part of the modern world, for security and convenience in our life, in our work and in society. Biometrics-based systems utilize physiological or behavioral characteristics of an individual including the face, iris, fingerprint, palmprint, hand, voice, signature, or a combination of them, for this task. We are now seeing increasing interest and practical deployment of biometric systems.

The International Workshop on Biometric Recognition Systems (IWBRS 2005) was held in conjunction with ICCV 2005, providing an interactive forum for leading biometrics researchers and system designers. A biometric authentication competition (BAC) was conducted by the workshop to track the state-of-the-art biometrics technologies.

This volume of workshop proceedings includes 32 papers carefully selected from a total of 130 submissions. The papers address the problems in face, iris, fingerprint, palmprint, speech, writing and other biometrics, and contribute new ideas to research and development of reliable and practical solutions for biometric authentication.

We would like to express our gratitude to all the contributors, reviewers, and Program Committee and Organizing Committee members who made this a very successful workshop. We also wish to acknowledge the Institute of Automation, Chinese Academy of Sciences, and Springer for sponsoring this workshop. Special thanks are due to Miao Hong, Xin Yang, Zhuoshi Wei, Yinghao Cai, Zhaofeng He, Cheng Zhong, Shiqi Yu and Xianchao Qiu for their hard work in workshop organization.

We hope you could benefit from the fruitful workshop to improve the performance of your biometric systems.

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