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   Soggetti   Biometry
                           Pattern perception
                           Signal processing
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                           Speech processing systems
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   Note generali   Description based upon print version of record.

   Nota di bibliografia   Includes bibliographical references at the end of each chapters and
                           index.

   Sommario/riassunto   This timely and interdisciplinary volume presents a detailed overview of
                           the latest advances and challenges remaining in the field of adaptive
                           biometric systems. A broad range of techniques are provided from an
                           international selection of pre-eminent authorities, collected together
                           under a unified taxonomy and designed to be applicable to any pattern
                           recognition system. Topics and features: Presents a thorough
                           introduction to the concept of adaptive biometric systems, detailing
                           their taxonomy, levels of adaptation, and open issues and challenges
                           Reviews systems for adaptive face recognition that perform self-

updating of facial models using operational (unlabeled) data Describes a novel semi-supervised training strategy known as fusion-based co-training Examines the characterization and recognition of human gestures in videos Discusses a selection of learning techniques that can be applied to build an adaptive biometric system Investigates procedures for handling temporal variance in facial biometrics due to aging Proposes a score-level fusion scheme for an adaptive multimodal biometric system This comprehensive text/reference will be of great interest to researchers and practitioners engaged in systems science, information security or biometrics. Postgraduate and final-year undergraduate students of computer engineering will also appreciate the coverage of intelligent and adaptive schemes for cutting-edge pattern recognition and signal processing in changing environments.