



Biometrics Intelligence Information Systems and Applications

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Dr. Patrick Wang, in collaboration with Dr. Svetlana Yanushkevich (U. Calgary)

Abstract:

This talk deals with some fundamental aspects of biometrics and its applications. It basically includes the following subtopics: (1) Overview of Biometric Technology and Applications (2) Importance of Security: A Scenario of Terrorists Attack, (3) What are Biometric Technologies?, (4) Biometrics: Analysis vs Synthesis.(5) Analysis : Pattern Recognition Concept,(6) How it works: Fingerprint Extraction and Matching, Iris, and Facial Analysis, (7) Authentication Applications, (8) Thermal Imaging: Emotion Recognition. (9) Synthesis in biometrics, (10) Modeling and Simulation, and some more (11) Examples and Applications

BRIEF BIOGRAPHY OF THE PRESENTER

Prof. Patrick Wang, PhD. IAPR Fellow, is Tenured Full Professor, Northeastern University, USA, iCORE (Informatics Circle of Research Excellence) Visiting Professor, University of Calgary, Canada, Otto-Von-Guericke Distinguished Guest Professor, Magdeburg University, Germany, as well as honorary advisory professor of several key universities in China, including Sichuan University, Xiamen University, East China Normal University, Shanghai, and Guangxi Normal University, Guilin. Dr. Wang has published over 21 books, 120 technical papers, 3 USA/European Patents, in PR/AI/Imaging, and is currently Editor-in-Chief of *IJPRAI (International Journal of Pattern Recognition and Artificial Intelligence)*, and Book Series of *MPAI*, WSP. In addition to his technical interests, Dr. Wang also published a prose book, “*Harvard Meditation Melody*” and many articles and poems regarding Du Fu and Li Bai’s poems, Beethoven, Brahms, Mozart and Tchaikovsky’s symphonies, and Bizet, Verdi, Puccini and Rossini’s operas.

For further information, here is presenter’s contact information
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