

IEEE ISI 2008 Invited Talk (V)

Intelligent Pattern Recognition and Biometrics

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Abstract

This talk deals with advanced concepts of Artificial Intelligence (AI) and Pattern Recognition (PR), and their applications to solving real life problems including biometrics applications. It basically covers the following topics: (1) Overview of Pattern Recognition (PR),(2) Overview of Artificial Intelligence (AI),(3) The Relation Between PR and AI, (4) Analysis and Learning: Pattern Recognition Concept : Foundation and theories, (5) Importance of Ambiguity, and its Applications: Theory and applications, (6) An Overall Interactive Intelligent Pattern Recognition (IPR) System, (7) Concepts of Syntax, Semantics, and Pragmatics: Theories and Applications, (8) Importance of Ambiguity, and Semantics: Graphics and itsApplications, (9) How it works: IPR and Applications to Solving Real Life Problems including Biometrics and Face Recognition, (10)Some More Illustrations, Discussions and Future Directions.

Biography: 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, Zijiang Visiting Chair, ECNU, Shanghai, China, 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.

Prof. Wang received his BSEE from National Chiao Tung University (Jiaotong University), MSEE from National Taiwan University, MSICS from Georgia Institute of Technology, and PhD, Computer Science from Oregon State University.

Dr. Wang has published over 23 books, 130 technical papers, 3 USA/European Patents, in PR/AI/TV/Cybernetics/Imaging, and is currently founding 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” 《哈佛冥想曲》 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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