Iris biometrics recognition application in security management
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Abstract

Authentication plays a very critical role in security-related applications like e-commerce. There are a number of methods and techniques for accomplishing this key process. Biometrics is gaining increasing attention in these days. Security systems, having realized the value of biometrics, use biometrics for two basic purposes: to verify or identify users. The use of fingerprints, facial characteristics and other biometrics for identification is becoming more common. The paper overviews best of Biometric application for security management. The acquisition of biometric data introduces human research and privacy concerns that must be addressed by the organizations. This paper focus Iris is the best Biometric feature for identity Management. © 2008 IEEE.

References

[1] Poursaberi and B.N. Arrabi,
Iris Recognition for Partially occluded images Methodology and Sensitive Analysis,

[2] Zhang, D.
(2000) Automated Biometrics Technologies and systems
Kluwer Academic, Boston, Mass, USA

[3] Iris Recognition, How iris Recognition works,

http://www.peterindia.net/Biometric/Biometric.org.

[5] Paulo Eduardo Merloti,
Experiment on Human Iris Recognition Using Error Back Propagation Artificial Neural Network,
Prepared for Neural Network Class (CS533) of Spring Semester of 2004.


Fingerprint Recognition
(2002), Ph.D. Thesis, Hong Kong Baptist, University

[8] Liang Wan, Zhou-chen Lin, Rong-chun Zhao,
Off-line Signature Verification Incorporating the Prior Model,
Multimodal user interface Group, Microsoft Research, Asia, Beijing 100080, China.

An off-line Signature Verification Method Based on the questioned document expert's
Approach and a Neural Network Classifier,
Catolica do Parana, Rua Imaculada onceicao, 1155, Curitiba, PR, Brazil.

A Hierarchical unsupervised growing neural network for clustering gene expression
Pattern,

High Confidence Visual Recognition of Persons by a test of statistical Independence

[12] John, Daugman, G.
Statistical Richness of Visual Phase Information: Update on Recognizing Persons by Iris
Patterns

Iris Recognition: An Emerging Biometric Technology

Reducing the False Rejection Rate of Iris Recognition Using Textural and Topological
Features, 2 (2).

Robert, Person Identification Technique Using Human Iris Recognition,

[16] Provencal, H., Alexandre, L.A.
Toward Noncooperative Iris Recognition: A Classification Approach Using Multiple Signatures
April

[17] Ya-ping Huang, Si-wei Luo, En-yi Chen,
An Efficient Iris Recognition System,
Proceedings of the First International Conference on Machine Learning and Cybernetics, Beijing,
4-5 November 2002.

[18] Hong-ying, Gu, Yue-ting Zhuang, Yunhe Pan
An iris recognition method based on multi-orientation features and Non-symmetrical SVM,
Journal of Zhejiang University SQENCE, ISSN 1009-3095

The importance of being random: Statistical Principles of iris recognition,

[20] CASIA–IrisV3
http://www.cbsr.ia.ac.cn/IrisDatabase.htm.

[21] Proenca Hugo and Luis A. Alexandre,
Toward Noncooperative Iris Recognition: A Classification Approach Using Multiple Signatures
April

[22] John. G. Daugman,

[23] John. G. Daugmaa
Complete discrete 2-D Gabor transform by Neural Network for image analysis and Compression, Acoustics,

[24] John. G. Daugmaa, Cathryn Downing,
Epigenetic randomness, Complexity and Singularity of Human iris patterns,
Proceedings of Royal Society London: B Revised 14 December 2000,

[25] Schultz, R.C., Ives, R.W.,
Biometric Data Acquisition using MATLAB GUI's

[26] J. Bezdek,
Fuzzy models-what are they, and why?
February

[27] Ibrahim, A.M.
New Delhi: Prentice Hall of India

[28] Driankov, D., Hellendoorn, R., Reinfrank, M.

[29] Klir, G.J., Folger, T.A.

A Fuzzy neural network and its application to pattern recognition
August

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