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Pattern Recognition and Image Analysis

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## Abstract

Internet is one of the most popular communication channels but it is insecure. Since it is an open and insecure medium, malicious medium can intercept the program or data. In the present scenario, fast growth in online application results in data security problem. In order to get secure internet, users need secure communication method for sending secret messages and data through internet. In this paper, we have developed an efficient way to provide a secure internet using Iris Recognition and Cryptography. The Iris Recognition system consists of an automatic segmentation that is based on Hough Transform. The Hamming Distance is employed for classification of Iris template. Thus this paper can be implemented in any real time application.

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### Index Terms

Computer Science

Pattern Recognition

### Keywords

Biometric Authentication internet Security Iris Cryptography Segmentation  
Hamming Distance

