Abstract

Authentication is the process of identifying an individual, usually based on username and password. Authentication merely ensures that the individual is who he or she claims to be. This forestalls the activities against confidentiality and integrity. Shoulder surfing is the main problem of graphical passwords. To overcome the problem of shoulder surfing we introduced a novel scheme called S3PA (Scalable Shoulder Surfing Resistant Textual-Graphical Password Authentication Scheme). This S3PA scheme provides the login screen to the user at every time the user logs in, this login image consists of set of characters. User with his password clicks some pass characters which are different for different sessions and explained in proposed scheme. To provide better results Neural Network is used for the authentication.

References

A Novel Soft Computing Authentication Scheme for Textual and Graphical Passwords

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Index Terms

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Keywords

Authentication  Shoulder Surfing  Back Propagation Learning Algorithm  Feed Forward Neural Network