Securing Data with Encryption and Color Encoding Scheme for Mobile Device

Abstract

Today most data is stored & transferred from mobile device like laptops. These devices are prone to theft, also we transfer the data via network which is not secured. All above reasons forms the backbone for our paper which implements an encryption scheme and color encoding for such mobile devices; it uses location based key formation. This key is used to encrypt data will ACIII value of Cipher text is used in color encoding of the encrypted data. This color encoded document can be saved as jpeg, jpg and send in a secure manner as an e-mail attachment.

References

- Cryptography & network security Principles and Practice by William Stalling.
- Ala Al-Fuqaha, Omar Al-Ibrahim, Joe Baird, "A Mobility Model for GPS-Based Encryption"; IEEE Globecom 2005

**Index Terms**

Computer Science  
Security

**Keywords**

Encryption scheme  
Color encoding  
Location based key.