Abstract

Steganography has emerged as a very popular topic in recent years. A lot of research is being done in order to enhance the confidentiality measures. RDH i.e. Reversible Data Hiding is a step in the same direction that has been taken recently. Data confidentiality and integrity have become most important aspect of this communication world. Where, cryptography involves both encryption and embedding of data, the main aspects to keep the data integrity and confidentiality intact. Encryption domain has more importance in data hiding. Data concealing can be done through any channels like audio, video, image etc. and send to receiver. Receiver will acquire data from the media where it embeds data. Data hiding can be done for sending highly classified data. For with Reversible Data Hiding is becoming more popular. Reversible data hiding is an approach by which the original image can be recovered without any loss when the data embed in it is extracted. This paper focuses on main approaches of RDH i.e. Vacating Room after Encryption and Vacating Room before Encryption and compares the performance of same on the basis of various RDH techniques.
References

1. Reversible Data Hiding in Encrypted Images by Reserving Room Before Encryption Kede Ma, Weiming Zhang, Xianfeng Zhao, Member, IEEE, Nenghai Yu, and Fenghua Li MARCH 2013


Index Terms

Computer Science

Image Processing

Keywords

Cryptography, Encryption, Decryption, Reversible Data Hiding, Data Embedding