Abstract

In this paper we have explored a new dimension in image steganography and propose a deft method for image – secret data – keyword (steg key) based sampling, encryption and embedding the former with a variable bit retrieval function. The keen association of the image, secret data and steg key, varied with a pixel dependent embedding results in a highly secure, reliable L. S. B. substitution. Meticulous statistical analysis has been provided to emphasize the strong immunity of the algorithm to the various steganalysis methods in the later sections of the paper.

References


Index Terms

Computer Science Networks

Keywords

Encryption L. S. B. Secret data.