Abstract

Steganography techniques find importance in military applications because of their ability to communicate covertly. It is evident for any image steganography technique that if the payload can be represented in a smaller dimension than its original form, then the actual embedding requirement can be lessened thereby improving the statistical imperceptibility of the method. This paper presents an image steganography technique specifically aimed to be used for military covert communication which utilizes payload dimension reduction using parallel beam projection of images. Efforts have been given to ensure that the proposed technique conforms to high Imperceptibility and Fidelity which are the primary quality requirements for any image steganography system.

References


Steganography with Projection aided Payload Dimension Reduction and Reconstruction for Military Covert Communication

I/matrix-encoding.pdf [Accessed on 19th December, 2014]

Index Terms

Computer Science
Communications

Keywords