Abstract

Steganography refers to the technique of hiding secret messages into media such as text, audio, image and video without any suspicion, while steganalysis is the art and science of detection of the presence of steganography. It can be used for the benefit of the mankind to serve us as well as by terrorists and criminals for malicious purposes. Both steganography and steganalysis have received a lot of attention from law enforcement and media. In the past, different steganographic techniques with properties of imperceptibility, undetectability, robustness and capacity have been proposed. Newer and more sophisticated steganographic techniques for embedding secret message will require more powerful steganalysis methods for detection. The battle between steganography and steganalysis is never ending. In this paper, an extensive review report is presented for steganography and steganalysis.

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**Index Terms**

Computer Science
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Steganography, Steganalysis, LSB embedding, Universal steganalysis, Transform domain, RS algorithm