Abstract

This paper presents selective encryption technique for the audio which is applied at the time of compression. Here, Advanced Encryption Standard (AES) encryption is applied on the quantized audio data which is performed before the Huffman’s entropy coding. Experimental results demonstrate that AES encryption technique provides high security against cryptographies attacks. Here, we have applied the AES encryption technique to different audio
Selective Encryption of MP3 Compression
files and its utility in the real time systems. The selective technique will save the computational
time with the provision of providing security on the audio data.

Reference

- Chih-Hsu Yen, Hung-Yu Wei, and Bing-Fei Wu, “New Encryption Approaches to MP3 Compression”, Department of Electrical and Controling Engineering, National Chiao Tung University, 2003.

Index Terms

Computer Science Security

Key words

AES MP3 FFT MDCT
Selective Encryption