Abstract

Present era shows a rapid growth in the progress of digitization and creation of digital multimedia content. Image and Video makes up the majority component in digital multimedia content. The potential solution for protection and prohibiting copyright infringement of multimedia is only using digital watermarks. The characteristic of robustness, i.e., sustainable capability to withstand against various attacks, influences the applications and its performance in protection of copyright and authentication. This paper reviews importance of watermarking, design requirements for various applications, and focus on classification of video watermarking algorithms for copyright protection.

References

- Bender, Walter, Daniel Gruhl, Norishige Morimoto, and Anthony Lu. "Techniques
- Jiang, Ming, Zhao-feng Ma, Xin-xin Niu, and Yi-xian Yang. "Video watermarking scheme based on MPEG-2 for copyright protection. " Procedia Environmental Sciences


- Ko, Chien-Chuan, Yung-Lung Kuo, Jeng-muh Hsu, and Bo-Zhi Yang. “A multiresolution video watermarking scheme integrated with feature detection.” Journal of...
the Chinese Institute of Engineers 36, no. 7 (2013): 878-889.


**Index Terms**

Computer Science

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**Keywords**

Attacks  Copyright Protection  Intellectual Property Rights  Robustness

Authentication