



All



ADVANCED SEARCH

Conferences > 2013 IEEE International Confe... ?

Robust reversible watermarking scheme based on wavelet-like transform

Publisher: IEEE

Cite This

PDF

Rasha Thabit Mohammed ; Bee Ee Khoo All Authors



Alerts

Manage Content Alerts

Add to Citation Alerts

More Like This

Image watermarking using data compression 2015 World Symposium on Computer Networks and Information Security (WSCNIS) Published: 2015

Compressive Sensing for Image Watermarking Discrete Wavelet Transform and Spread Spectrum 2018 International Conference on Control, Electronics, Renewable Energy and Communications (ICCEREC) Published: 2018

Show More

Abstract



Download PDF

Document Sections

- I. Introduction
- II. Slantlet transform
- III. The proposed algorithm
- IV. Experimental Results and Discussion
- V. Conclusions

Abstract:Watermarking reversibility is one of the basic requirements for medical imaging, military imaging, and remote sensing applications. In these fields a slight change in the... [View more](#)

Metadata

Abstract: Watermarking reversibility is one of the basic requirements for medical imaging, military imaging, and remote sensing applications. In these fields a slight change in the original image can lead to a significant difference in the final decision making process. However, the reversibility alone is not enough for practical applications because the hidden data must be extracted even after unintentional attacks (e.g., noise addition, JPEG compression) so a robust (i.e., semi-fragile) reversible watermarking methods became required. In this paper, we present a new robust reversible watermarking method that utilizes the Slantlet transform (SLT) to transform image blocks and modifying the SLT coefficients to embed the watermark bits. If the watermarked image is not

Authors

Figures

References

IEEE Websites place cookies on your device to give you the best user experience. By using our websites,

you agree to the placement of these cookies. To learn more, read our Privacy Policy.

Accept & Close

Keywords

presented scheme achieves high visual quality, complete reversibility, and better robustness in comparison with the previous methods.

Metrics

More Like This

Published in: 2013 IEEE International Conference on Signal and Image Processing Applications

Date of Conference: 8-10 Oct. 2013 **INSPEC Accession Number:** 14026793
Date Added to IEEE Xplore: 09 January 2014 **DOI:** 10.1109/ICSIPA.2013.6708032
► ISBN Information: **Publisher:** IEEE
Conference Location: Melaka, Malaysia

☰ Contents

I. Introduction

Nowadays it is a desirable process to send the digital information through internet. However, there is a worry of using that information by unauthorized people. Security in digital communication is an important issue, digital watermarking is one of the methods used for protecting digital information. In some fields, the attention is directed towards the cover image and the hidden data at the same time. The type of image watermarking that is capable of recovering the original image is called reversible/ lossless/ invertible watermarking [1]–[5].

Authors	▼
Figures	▼
References	▼
Citations	▼
Keywords	▼
Metrics	▼

IEEE Personal Account

CHANGE USERNAME/PASSWORD

Purchase Details

PAYMENT OPTIONS
VIEW PURCHASED DOCUMENTS

Profile Information

COMMUNICATIONS PREFERENCES
PROFESSION AND EDUCATION
TECHNICAL INTERESTS

Need Help?

US & CANADA: +1 800 678 4333
WORLDWIDE: +1 732 981 0060
CONTACT & SUPPORT

Follow



About IEEE Xplore | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | IEEE Ethics Reporting | Sitemap |
 IEEE websites place cookies on your device to give you the best user experience. By using our websites, you agree to the placement of these cookies. To learn more, read our Privacy Policy.

Accept & Close

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2022 IEEE - All rights reserved.

IEEE Account

- » Change Username/Password
- » Update Address

Purchase Details

- » Payment Options
- » Order History
- » View Purchased Documents

Profile Information

- » Communications Preferences
- » Profession and Education
- » Technical Interests

Need Help?

- » **US & Canada:** +1 800 678 4333
- » **Worldwide:** +1 732 981 0060
- » Contact & Support

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2022 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE websites place cookies on your device to give you the best user experience. By using our websites, you agree to the placement of these cookies. To learn more, read our [Privacy Policy](#).

Accept & Close