Abstract

The image processing is the technique which is applied to process the digital information stored in the form of images. The edge detection is the technique of image processing which detect the points at which the image properties changed at steady rate. In this paper, the bee colony based edge detection technique is proposed which is the enhanced version of the existing edge detection technique based on ant colony optimization. The proposed technique is implemented in MATLAB and it is been analyzed that it performs well in terms of accuracy and execution time.

References

2. S.Murali, Govindraj B. Chittapur, Prabhakara H. S and Basavaraj S. Anami, “Comparison
and Analysis of Photo Image Forgery Detection Techniques”, International Journal on Computational Sciences & Applications (IJCSA) Vo2, No.6, December 2012


4. Andrea Costanzo, Irene Amerini, Roberto Caldelli, Mauro Barni, “Forensic Analysis of SIFT Keypoint Removal and Injection”, IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, VOL. 9, NO. 9, SEPTEMBER 2014


Index Terms

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