Abstract

This paper discusses about various image processing techniques and tools which are available for identification of printing technologies. Printing technology identification and associated problems in document forensics have been projected as challenges in image processing application. Various image processing approaches based on textures, spatial variation, HSV color space, spatial correlation, and feature based on histogram and some of the pattern recognition methods, like gray level co-occurrence matrix, roughness of the text, perimeter of edge are highlighted. This paper devotes more on one of the recent contribution,
namely, Gaussian Variogram Model (GVM) for printer classification.

Reference

- http://www.fosterfreeman.com
- http://www.eff.org/issues/printers.
- Christoph H. Lampert, Lin Mei, and Thomas M. Breuel. 'Printing Technique Classification for Document Counterfeit Detection'. In IEEE International Conference on Computational Intelligence and Security, pages 639–644, Nov 2006.
- http://www.goldensoftware.com

Index Terms

Computer Science  Pattern Recognition

Key words

Image processing
Document forensics-printing technique classification
spatial statics