

Face Image manipulation detection using Machine learning

Abstract:

- ★ Forgery detection from the images is gaining remarkable interest as there are a lot of editing tools that enable to cause edition with manipulation of the objects from the image.
- ★ This proposal is a passive image manipulation scheme that is based on the supervised learning approach.
- ★ The input digital image is fed into viola-jones algorithm and the faces are detected.
- ★ The detected face is then used for feature extraction using GWTM operator.(Gabor filter + Wavelet transform + LBP texture descriptor)
- ★ The three results from the feature extractor are concatenated as the input to the classifier.
- ★ The classifier detects the presence of manipulation on the image.

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