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(57) Abstract :

**COPY MOVE FORGERY DETECTION USING FEATURE EXTRACTION AND RNN CLASSIFIER IN VIDEO FRAMES**

**ABSTRACT:** Image processing is a strategy to change over a picture into an advanced structure and play out certain activities on it. to get an improved picture or to separate some valuable data from it. The videos can now be altered and manipulated easily using improved multi frame-resolution cameras and softwares available in internet for making counterfeit output. According to a recent survey, the flicker has a information of 350 million photographs with more than 1 million manipulated each day and Facebook has more than 50 million exchanges of altered pictures. Manipulation in video alters its original configuration but few detectable traces are left behind are known as forensic artifacts. The forensic fingerprints in videos can be detected using sensor pattern, interpolation artifacts and to pin down tampered or altered portions of a video by clustering identical pixels. Here, we propose a feature extraction technique in video frames utilizing improved wavelet transform. Speeded lip Robust Feature (SURF) is used to consolidate an extraction technique to get strong features against the recombination from the frames. The processed features utilize the The processed features utilize the Recurrent Neural Network (RNN) classifier for feature matching algorithm which detects forged frames of a video from an image.

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