# Data Concealing in Image and Video

Dr. Emad S. Othman

Abstract— A new technique for high limit information stowing away in H.264 streams is introduced. The proposed strategy exploits the distinctive square sizes utilized by the H.264 encoder amid the entomb expectation organize so as to conceal the attractive information. It is a visually impaired information concealing plan, i.e. the message can be extracted straightforwardly from the encoded stream without the need of the first host video. This delicate information concealing methodology can be predominantly utilized for substance based verification and secret correspondence.

The video information inserting plan in which the installed mark information is reproduced without knowing the first host video. The proposed strategy empowers high rate of information installing and is hearty to movement repaid coding, for example, MPEG-2. Inserting depends on surface covering and uses a multi-dimensional grid structure for encoding mark data. Mark information is installed in individual video outlines utilizing the square DCT.

The implanted edges are then MPEG-2 coded. At the recipient, both the host and mark pictures are recouped from the implanted piece stream.

Keywords— H.264, data hiding, covert communication, authentication