## ELOOD DETECTION IN SAR IMAGES BASED ON MULTI-DEPTH FLOOD DETECTIONS CONVOLUTIONAL NOTWORK

Since post few decodes, SAR image Change detection has become one of most popular topics in SAR field But due to various performedors, like presence of Speckle Noise, SAR images exhibit more difficult in Change election. Hore, for neleazing an offective flood detection of SAR images the water Diagians, a part classification compassion elegarithm with multi-depth flood detection compassion elegarithm with multi-depth flood detection convolution Neural work is proposed. It is used to classify of critical the works are allowed to classify of critical the couler aregion in SAR images, curring at soweng the Glood detection after high-nesolution. SAR water of gradien extraction in complex ferrain.

MOFD-CNN Swons a -loo-branch nho with.

different depth is used for Extracting Trespectively
the water elegion in the bi-temposal sole mage.

Osing Salvency delection. To improve the Tieliability
of training sample & Tieduce no of training samples
precesses back propagation is adopted to optimize
the network. Office detection, post-classification
comparison is implemented for detecting changes in
comparison is implemented for detecting changes in
anoughly extracted features this proposed method
Offers would work for Signal detection in
where opening of SAR image in Treatistic