

## Abstract Details

**Title:** A Study towards Segmentation based Intelligent Approach to Perform Image Fusion

**Authors:** Suman Lata, Noor Mohammed

**Abstract:** In this paper image fusion is performed by using the segmentation approach. For doing segmentation we have taken the wavelet transformation technique. In wavelet transformation firstly we take both the images on which fusion has to be done, and then segmentation is applied on them. Image fusion is the effective combination of multiple images into a single fused image. The present work is particularly done on fusion. Fusion uses the similar and complementary information of the source images in order to obtain an informative depiction of the scene for further processing.

**Keywords:** Fusion, segmentation, wavelet transformation, complementary, informative depiction.