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(57) Abstract :
Synthetic Aperture Radar (SAR) images can be acquired from many SAR Satellites available in the space or by the plane or Spacecraft. The SAR Images acquiring systems are the earth and sea observing systems can acquire and observe the SAR images in all weather conditions. The ships in the sea surface are the salient objects and detection of such an objects is difficult as the sea surface has multiple reflections from its surface and corner reflections of the ship on the surface of sea. The ship can be detected by well defined boundaries of the ship in the SAR Images. The present invention disclosed here is Ship Detection System from the SAR images by Saliency Segmentation comprising of: SAR Image (201); Diffusion Filtering (202); Super Pixel Segmentation (203); Saliency Segmentation (204); Threshold Segmentation (205); Localization (206); used to detect the Ship object from the Synthetic Aperture Radar (SAR) images of sea surface with well defined boundaries and region extraction.

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