
International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 161

Number 11

Year of Publication: 2017

Authors:

Sowmya D. R., P. Deepa Shenoy, Venugopal K. R.

10.5120/ijca2017913306

Abstract

This paper is a brief survey of advance technological aspects of Digital Image Processing which are applied to remote sensing images obtained from various satellite sensors. In remote sensing, the image processing techniques can be categories in to four main processing stages: Image pre-processing, Enhancement, Transformation and Classification. Image pre-processing is the initial processing which deals with correcting radiometric distortions, atmospheric distortion and geometric distortions present in the raw image data. Enhancement techniques are applied to preprocessed data in order to effectively display the image for visual interpretation. It includes techniques to effectively distinguish surface features for visual interpretation. Transformation aims to identify particular feature of earth’s surface and classification is a process of grouping the pixels, that produces effective thematic map of particular land use and land cover.

References


46. Z. Lei, T. Fang, and D. Li, “Land Cover Classification for Remote Sensing Imagery using


no. 2, pp. 92–95, 2014.
94. S. Steiniger and A. J. Hunter, “Free and Open Source GIS Software for Building a

**Index Terms**

Computer Science  
Image Processing

**Keywords**

Classification, Image, Enhancement, Remote Sensing, Resolution, Satellite Sensors