

Abstract

National Guard Bureau Test of Feature Analyst

Track: Homeland Security

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The influx of new high-resolution satellite imagery and the increasing availability of accurate high-resolution 3D information provide an excellent opportunity to map all kinds of new ground features. However, standard classifiers have proven ineffective at making use of these new data sources. Feature Analyst, an extension to ArcGIS, provides an automated tool that shows promise for extracting detailed, accurate information. This software utilizes spatial contextual information along with the ability to effectively fuse diverse information sources. The National Guard Bureau is testing this software on several spectral and 3D datasets. This paper will present the results of these tests.

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