

Battlefields That See

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Abstract

This talk will introduce two new applications of automated video analysis being pursued by DARPA. Video Verification of Identity (VIVID) is concerned with automatically tracking moving vehicles from a moving aircraft and searching the surrounding area for others who may be nearby. Combat Zones That See (CTS) is coordinating the analysis of large numbers of fixed cameras to identify and track vehicles over extended distances. Together, these programs illustrate the transformational power that the automated analysis of video has for military reconnaissance.

Progress in Human ID

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Abstract

The Human ID program is developing techniques and methods for identifying humans at a distance. Techniques being investigated are face recognition; recognition from body dynamics in video including gait; recognition from infrared, multi-spectral, and hyperspectral imagery. To assess progress a series of evaluations, challenge problems, and demonstrations are being conducted.