

Implementing an EO/IR Tracking Sensor Using CIGI

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ABSTRACT

In a high fidelity simulation environment, tracking of targets generated in sensor image generator (IG) channels is often accomplished using image-based techniques. Tracking targets in this manner can impart more realistic behavior to the tracking simulation than techniques based on truth data alone. To this end, the Common Image Generator Interface (CIGI) supports the implementation of image-based tracking between a host simulation and a sensor IG. This paper will give an overview of how an image-based tracking solution can be implemented using CIGI.

BIO

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Mark Gieske is a research engineer for the Visual Systems group in the Training Systems and Government Services (TSGS) division of Boeing in St. Louis, Missouri. He has 20 years of experience developing embedded applications for various programs under TSGS. He has earned an MS degree in Physics as well as a BS in Physics and Mathematics.