

**White Paper:** "State vector formalism based Intelligent Information Correlation Engine (IICE) for Knowledge Discovery", Application suitable for NASA, NSA, DHS, and other intelligence agencies.

**Feasibility Study:** "Multi Sensor Data Fusion to Detect Plastic Explosives in Checked in Airline Baggage." Funded by FAA (now DHS).

**Product:** Satellite Mission Simulation and Analysis, a PC-based computer program, Satellite Mission Simulation and Analysis (SMSA), for use as an analysis tool by scientists and mission planners. SMSA is written in FORTRAN and C and can be easily adapted for any satellite trajectory. The center field-of-view (FOV) earth location can be determined for either fixed or scanning instrument and solar angles at FOV can be computed. A Geographic Information System (GIS) can display maps with various projections. Source code and documentation are available.

**Small Business Innovation Research (SBIR) Program:** Phase I program with Navy to develop "Tracking Maneuvering Targets Using an Adaptive Interacting Multiple Model (AIMM) Estimation Approach".

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