

- Applied Research Associates, Raleigh
- Lead Investigator: Dirk Warnaar



Southeast Division

Cognitive Sciences Division





Research Areas of Interest

- Forecasting
- Computer vision
- Scene understanding
- Content extraction
- Data fusion
- Statistical analysis
- Cognitive analysis
- Cultural modeling
- Geospatial analysis



Qualifications

- Aggregative Contingent Estimation System (ACES) – Crowd-based forecasting of future events. Performer on the IARPA ACE program.
- Intelligence Management System (IMS) – Rapidly gathers, organizes, processes, and disseminates data from disparate sources. Considers semantic, geospatial, and temporal aspects to determine data relevancy.
- Integrated Weapons of Mass Destruction Toolset-Intelligence Management – Provides persistent search and alerting capabilities to intelligence sites. Connected to intelligence databases within DoD Secret networks.
- Assessing Team Collaboration in Intelligence Teams – Identified essential dimensions of effective collaboration and processes associated with them.
- Sense-making in Intelligence Analysis – Extended incident- based Cognitive Task Analysis methods to improve and share sense-making across analysts/organizations.
- Nuclear Proliferation Study – Developed effective CONOPS and identified tip-off indicators to counter nuclear smuggling. Supported the DARPA Terrorism Information Awareness program.
- White House Situation Room redesign - human cognitive performance in high stakes work domains to improve decision making
- Cultural network analysis - Eliciting, analyzing, and representing cultural models in any domain

Former intelligence analysts on staff (including SIGINT SMEs), SCIF



Desired Complimentary Technologies

- Video analytics / content analysis
- Scene understanding
- Activity recognition
- Geographic data collection



Contact Information

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