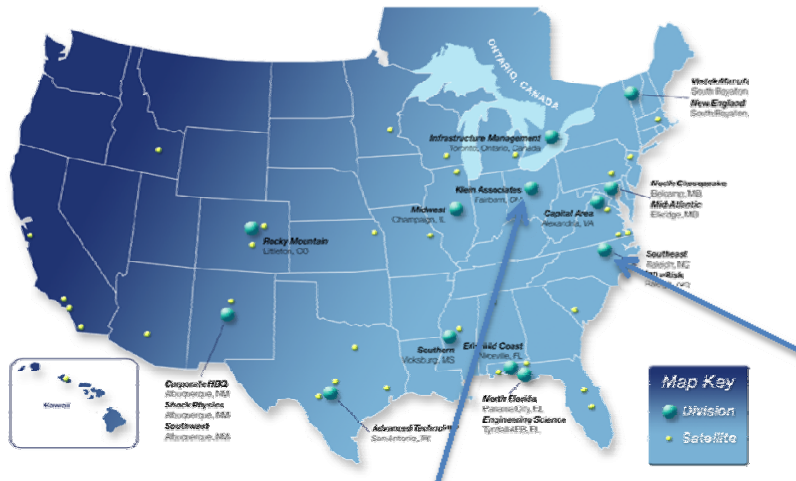


- Applied Research Associates, Raleigh
- Lead Investigator: Michael Tarnowski



Southeast Division



Klein Associates Division



Research Areas of Interest

- Computer vision
- Scene modeling
- Sensor data fusion
- Statistical analysis
- Cognitive analysis
- Cultural modeling
- Geo-technical site characterization





Qualifications

- ULTRA-Vis – Real-time geo-registration of images/video in complex environments
- SEAGUL/U2MG – Automated creation of virtual and constructive simulation environments from sensor data
- ICAIS - Inference of the battle damage assessment using a Bayesian network by fusing multiple sensor signatures
- Nighthawk – Miniature, foldable unmanned aerial surveillance system
- 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
- Serious Games – ARA's Virtual Heroes division is a leading edge serious games developer for healthcare and military training (e.g. America's Army, America's Medic and Moonbase Alpha)
- Crowdsourcing – ARA has been selected by IARPA to develop technologies for eliciting, aggregating and communicating expert judgments



Desired Complimentary Technologies

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



Contact Information

- Michael Tarnowski, PhD, PE
- Applied Research Associates, Inc.
- mtarnowski@ara.com
- (919) 582-3377
- www.ara.com