

# Introduction

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

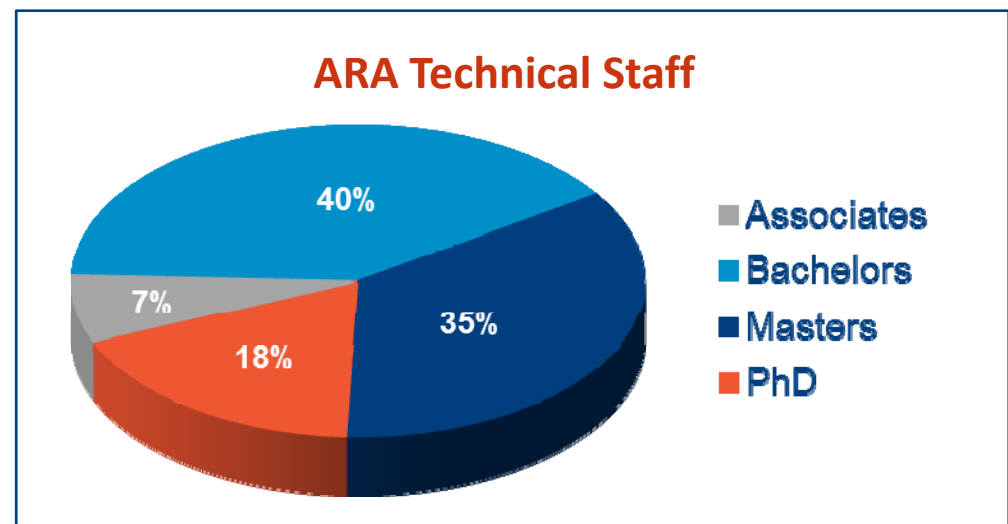


Southeast Division



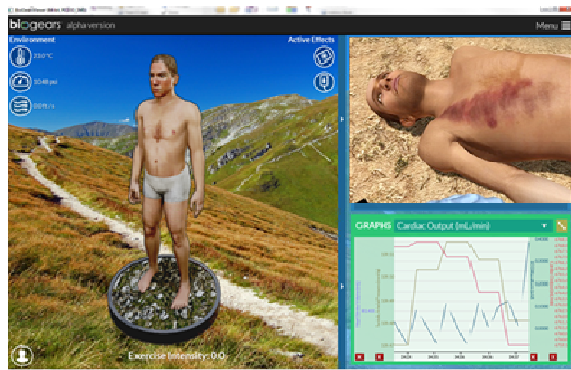
## Prime Qualifications

- Proven ability to build and manage large diverse technical teams performing on long duration competitive R&D programs
- Technical solutions are built from the ground up with the teaming partners
- Nimble, customer-focused project management and execution
- Stable research firm comprised of in-house staff with deep technical capabilities



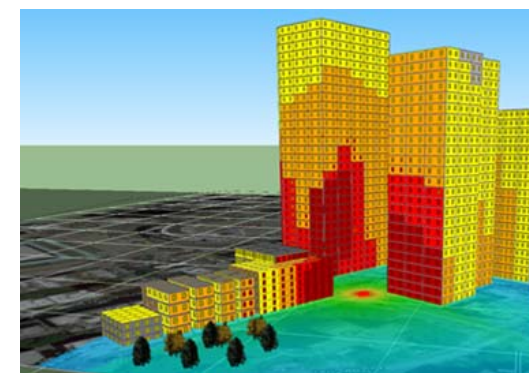
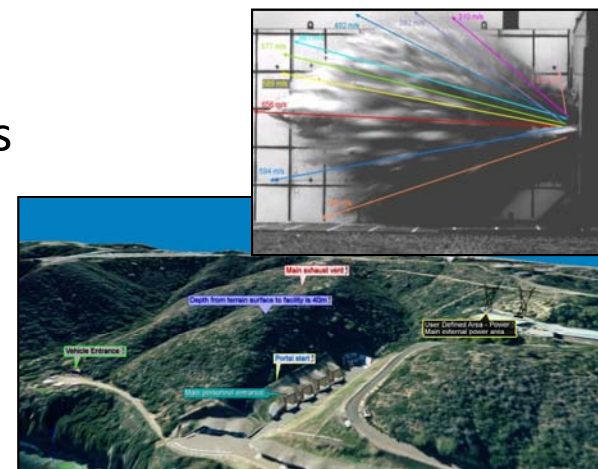
## Research Areas of Interest

- Physics-based Modeling
- Geo-specific Terrain Modeling
- Remote Sensing / Computer Vision
- Augmented Reality for Soldier Systems
- Serious Games



## Past Performance

- **IARPA Finder:** Current prime in 4<sup>th</sup> phase of 4+ year program for image/video geolocation
- **DARPA ULTRA-Vis:** Prime for HMD situational awareness soldier system. Transitioning technology to Net Warrior and immersive training community
- **DTRA IMEA:** Current prime for 20+ years for weapon's effects modeling and force protection analysis software
- **ARL RUGUD:** Current prime for 12+ years in terrain modeling and database generation. Source data conflation, immersive visualization, and game export
- **NRO Geospatial Metaverse:** Major contributing sub for feature extraction and object reconstruction. End-to-end generation of game environments from source data





## Desired Complimentary Technologies

- Solid modeling research
- Deep learning
- Fusion of remote sensing and public source data
- Earth science

## Contact Information

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