



IARPA Video LINCS Lightning Talk

Applied Research Associates, Inc

www.ara.com

Lance E. Besaw, Ph.D.





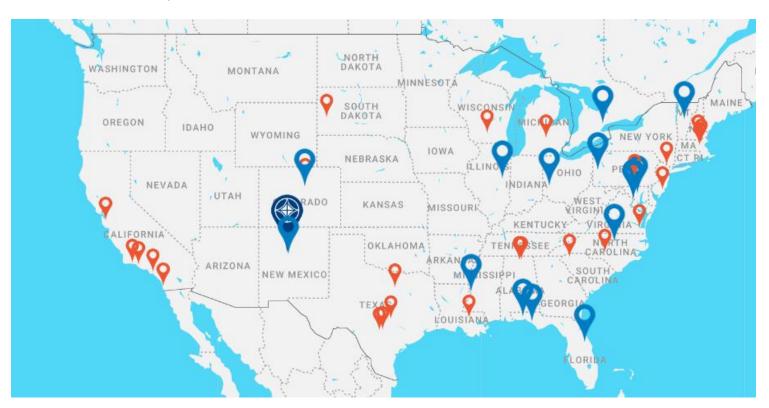






Applied Research Associates Overview

- Founded 1979, Albuquerque, New Mexico
- 2,011 employee owners at locations in the U.S. and Canada
- FY23 sales of \$600 million



National Security

ARA delivers innovative solutions to assess, detect, deter, defeat, and respond to threats facing us at home and abroad.



Infrastructure

ARA leads in technologies and services to improve performance and sustainability of infrastructure for transportation, buildings, and energy systems.



Energy & Environment

ARA provides innovative engineering services and products for alternative fuels, and the power and utility services market.



Health Solutions

ARA provides specialized research and technology services, testing and product development in health science and engineering.







Expertise and Experience

C4ISR Systems

AI / ML

Deep Learning

Robotics and Unmanned Systems

Behavior Analytics

Decision Support Analysis

Data to Decision (D2D)

Graph Analysis

DevOps & CI/CD

Cloud Engineering

System Integration

IC R&D and Transition:

- IARPA
 - ACE
 - FINDER
 - LEGO
 - SMART
- NGA
 - FINDER
 - HDNN
 - GLIMPSE
 - JASSM















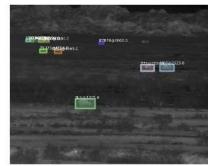
Proven IC partner for R&D and technology transition

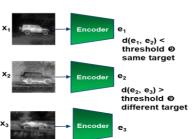


Proven Capabilities

Automated Target Recognition (ATR)

- Few-shot learning
- Geospatial-aware ATR improves detection and identification
- Traditional and machine-learned solutions
- Data analytics to identify optimal training samples





Sensor Modalities

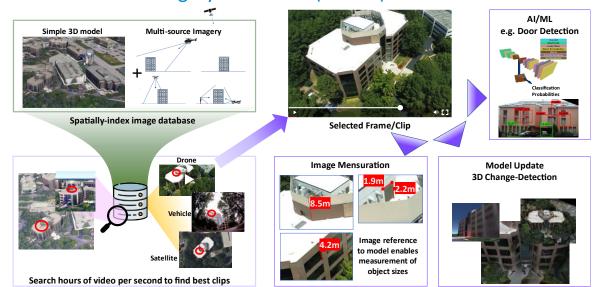
Multi-sensor modality applications (ground level, UAS, Satellite)

EO, NIR, SWIR, MWIR, LWIR

Panchromatic, MSI, HSI

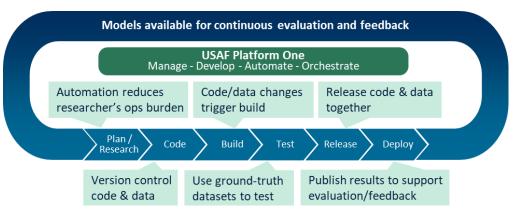


MUlti-Source Imagery Conflation (MUSIC)



IARPA DevOps

→ Our integrated process for DevOps and DataOps automates test cases and result reporting, accelerating research and transition.







Teaming and Contact Information

Looking for academic and industry partners to round out our team

Planning to Prime

Please Contact:

Lance E. Besaw, PhD., lbesaw@ara.com, 802.999.6573

