Enhanced Mutual Collaborators
condensed list...

- **International:** PAs, TTCP, NATO, EOARD, AOARD
- **Other DoD Agencies:** DARPA, MDA, DTRA
- **Others:** FFRDCs, NASA, DHS, NIST, DOE LABS, MITRE, Cyber COI, C4I COI
- **Joint Community:** STRATCOM, TRANSCOM, NORTHCOM, ARMY, NAVY, MARINES
- **USAF/USSF:** AFMC, AFSOC, ANG, AF, AMC, ACC, AFLCMC, SMC, AFGSC
- **Intelligence:** DIA, CIA, IARPA, NSA, NRO, NGA, NASIC
- **Industry:** 250 Contractual Partners, IR&D, 77 CRADAs, SBIR
- **Academia:** Information Institute, Partnerships, 132 EPAs, Visiting Faculty Research Program, STEM, Center of Excellence (COEs) Machine Learning (ML)

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**Contract Opportunities**

https://beta.sam.gov/

① Select “Contract Opportunities” from drop down menu.

② Enter RIK.

③ Click Search.
Core Technical Competencies (CTCs) Focused in Four Major Technical Areas of Research

- **Autonomy, Command & Control and Decision Support**

  **Vision**: Mastering & imposing complexity to Command & Control future joint all domain operations in an evolving battlespace with speed and scale.
  
  **Mission**: Deliver revolutionary, trusted, affordable information technologies for agile, resilient, & distributed AF command and control & intelligent systems.
  
  **Sub CTCs**: Complex Adaptive Systems • Complex Effects Analysis • Machine Intelligence
  
  **Goals**: Research, develop, and deliver next generation intelligent C2 systems to enable the command & control of future multi-domain operations in an evolving and contested battlespace at speed and scale. The key to achieving this vision is the ability to master complexity while executing multi-domain operations.

- **Connectivity and Dissemination**

  **Putting the right information into the right hands at the right time.**
  
  **Vision**: Seamless, resilient networked communications fabric across the command and control intelligence surveillance reconnaissance (C2ISR) enterprise, assuring delivery of timely, reliable and actionable information to warfighters and systems.
  
  **Mission**: Provide agile and secure mission-responsive communications and information exchange globally.
  
  **Sub CTCs**: Communication Links and Networks • Secure Multi-Domain Architectures • Mission-Responsive Information Exchange
  

- **Cyber Science and Technology**

  **Leveraging and shaping the cyber domain to the nation’s advantage.**
  
  **Vision**: An Air Force equipped with technologies that enable our freedom to operate in cyberspace while denying the adversary the same.
  
  **Mission**: Deliver the science and technology necessary to ensure cyberspace superiority and support the conduct of full-spectrum, multi-domain, integrated cyberspace operations.
  
  **Sub CTCs**: Cyber Assurance • Electromagnetic Cyber Convergence • Cyber Warfighting
  
  **Goals**: Secure, composable, risk-based compute options. Cyber operations integrated and on par with air & space. Ability to conduct cyber operations agnostic to medium and geography.

- **Processing and Exploitation**

  **Exploiting computing and algorithms to transform big data into information.**
  
  **Vision**: Innovator of technologies that process and exploit data in near real time, analyze massive collections over time, and employ continuous learning to deliver asymmetric decision speed to the Air Force and Intelligence Community.
  
  **Mission**: Deliver fast sensemaking for situational awareness and adversarial insight for the AF, DoD, and Intelligence Community.
  
  **Sub CTCs**: Machine Analytic Characterization • Machine Analytic Comprehension and Projection • Extreme Computing
  
  **Goals**: Multi-INT correlation and fusion of massive amounts of intelligence, surveillance, and reconnaissance (ISR) and publicly available data. Exploit targets in denied areas. Adversarial and secure machine learning. Dynamic, hybrid computing advancing neuromorphic, nanotech, and quantum systems to efficiently process ISR information.

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