WELCOME!


Parallax
ADVANCED RESEARCH
+
Ohio Federal Research Network
Driving Innovation Through Strategic Partnerships
Join us for
Ohio Federal Research Network (OFRN)
Opportunity Days - Quantum
Free Virtual Event
November 13 | 9:00 - 10:30 AM (ET)
ohiofrn.org
The Ohio Federal Research Network (OFRN) is a program managed by Parallax Advanced Research Corporation in collaboration with The Ohio State University and funded by the Ohio Department of Higher Education.

Parallax
ADVANCED RESEARCH

Ohio Federal Research Network
Driving Innovation Through Strategic Partnerships

Opportunity Review

NSF 24-586: NSF National Quantum Virtual Laboratory - Quantum Testbeds (NQVL) Quantum Science and Technology Demonstrations (QSTD): II. Design & Implementation

NSF 24-586

- **Who**
  - Gov't: U.S. National Science Foundation*
  - *Eligibility*: Unrestricted
- **What**
  - The type of solicitation: Grant
- **When**
  - Released: 27 JUN, 2024
  - Due: Proposals accepted anytime
- **Where**
  - Webpage: https://www.nsf.gov/funding/opportunities/nqvl-nsf-national-quantum-virtual-laboratory-quantum-testbeds/nsf24-586/solicitation
  - Contact information
  - Grantor Contact:NQVL@nsf.gov
- **Why**

Funding

- Design: up to $2 M per year for up to 2 years
- Implementation: up to $10 M per year for 6 years
- Estimated total funding: $32,000,000
- 8 Design awards over 3 rounds
- 6 Implementation awards over 3 rounds

Technical:

- They are seeking collaborative proposals from researchers, industry partners, and federal agencies to design and implement innovative quantum technology demonstrations. This approach aims to bridge basic research and practical use, expand the quantum workforce, and strengthen U.S. leadership in quantum science and engineering

*Due to a lapse in appropriations, NSF is closed. NSF will continue to accept proposals in accordance with published guidelines.

Active nuclear interrogation with ghost imaging
Request for Information (RFI)

DARPA-SS-26-02

- **Who**
  - Gov't: DoD—Defense Advanced Research Projects Agency
  - *Eligibility*: Unrestricted
- **What**
  - The type of solicitation: Sources Sought
- **When**
  - Released: 24 OCT, 2025
  - Due: 08 DEC, 2025 at 4 PM
- **Where**
  - Webpage: https://sam.gov/workspace/contract/opp/12b18f82305340caa0e9e0a93285ade9/view
  - Contact information
  - darpa-ss-26-02@darpa.mil
- **Why**

Funding

- N/A

Technical:

- Defense Sciences Office (DSO) is requesting information on the use of correlated particles (neutrons, gamma ray photons, and others) in variations of classical, quantum, and computational Ghost Imaging (GI) for the implementation of active nuclear interrogation techniques with improved performance compared to state of the art

AN-ARC-210(V)/Mission Systems Management Activity (MSMA) BOA

N00421-26-RFPREQ-TPM209-0126

- **Who**
  - Gov't: DoD-- NAVAIR
  - *Eligibility*: The Product Service Code (PSC) for this requirement is 5826.The North American Industry Classification System Code (NAICS) is 334511
- **What**
  - The type of solicitation: Sources Sought
- **When**
  - Published date: 28 OCT, 2025 1:46 EDT
  - Due: 28 NOV, 2025 at 3 PM
- **Where**
  - Webpage: https://sam.gov/workspace/contract/opp/fc91f63ff7fc475fb3ada991ae5d5c1e/view
  - Contact information
  - Grantor Contact: Kassidy Cross
    - kassidy.a.cross.civ@us.navy.mil
    - 301-852-1076
- **Why**

  Funding
  - The contract type for the orders issued under the BOA is anticipated to be performance based (Firm Fixed Price) and non-performance based (Cost Plus Fixed Fee (CPFF))
  - Technical:
- Implement Quantum-Resilient **Cryptography**: Integrate Quantum Resilience (QR) into AN/ARC-210(V) systems to harden encrypted communications against emerging quantum computing threats.
- **Upgrade to SERD-Based Security Standards**: Transition from legacy NSA IASRD compliance to Security Evaluation Requirements Document (SERD) standards that incorporate quantum-era security protocols.
- **Future-Proof Tactical Waveforms:** Ensure tactical waveforms (TSV, STaC-IS, MUOS, SATURN, etc.) maintain post-quantum, anti-jam, and secure interoperability across air, ground, and coalition networks.

Thermal Transport Processes

PD-23-1406

- **Who**
  - Gov't: U.S. National Science Foundation*
  - *Eligibility*: Unrestricted
- **What**
  - The type of solicitation: Grant
- **When**
  - Released: 03 APR, 2023
  - Due: Proposals accepted anytime
- **Where**
  - Webpage: https://www.nsf.gov/funding/opportunities/ttp-thermal-transport-processes
  - Contact information
  - Grantor Contact: Fangyu Cao
  - (703) 292-4736
  - fcao@nsf.gov
- **Why**

Funding

Estimated total funding: $7,047,008

Technical:

- **Advance fundamental understanding** of heat and mass transfer mechanisms across all scales (nano to macro), especially in complex or multi-physics systems.
- **Develop predictive and control models** using integrated experimental, analytical, and computational methods to transform how thermal processes are designed and optimized.
- **Enable innovative applications** in areas like energy systems, electronics, materials, and biothermal processes by uncovering new thermal transport phenomena rather than incremental improvements.

*Due to a lapse in appropriations, NSF is closed. NSF will continue to accept proposals in accordance with published guidelines.

Division of Physics – Investigator-Initiated Research Projects (PHY)

Solicitation # NSF 23-615

- **Who**
  - Gov't: U.S. National Science Foundation*
  - *Eligibility*: Unrestricted
- **What**
  - The type of solicitation: Grant
- **When**
  - Released: 11 AUG, 2023
  - Due: 09 DEC, 2025 at 5 PM
- **Where**
  - Webpage:
  - https://www.nsf.gov/funding/opportunities/phy-division-physics-investigator-initiated-research-projects/nsf23-615/solicitation
  - https://www.nsf.gov/funding/opportunities/phy-division-physics-investigator-initiated-research-projects
  - Contact information
  - Mark S. Byrd, Quantum Information Science, telephone: (703) 292-7421, email: msbyrd@nsf.gov
  - Alex Cronin, Quantum Information Science, telephone: (703) 292-5302, email: acronin@nsf.gov
- **Why**

Funding

- Estimated total funding: $12 M per year

Technical:

Fundamental physics research: AMO, plasma, particle, nuclear, astrophysics, gravitational, QIS, physics of living systems, instrumentation, workforce development, broader impacts

*Due to a lapse in appropriations, NSF is closed. NSF will continue to accept proposals in accordance with published guidelines.

LPS Qubit Collaboratory (LQC)

W911NF21S0009

- **Who**
  - *Gov't*: Dept of the Army -- Materiel Command
  - *Eligibility* : All U.S. entities
- **What**
  - The type of solicitation: BAA, grant
- **When**
  - Released: 16 APR, 2021
  - Due: 30 APR, 2026
- **Where**
  - Webpage: https://www.grants.gov/search-results-detail/332894
  - Contact information: Dr. T.R. Govindan
    - Technical Program Point of Contact (ARO)
    - t.r.govindan.civ@army.mil
    - usarmy.rtp.devcom-arl.mesg.qcbox@army.mil
- **Why**
  - *Funding*
    - *N/A*
  - *Technical*
    - Incubator, Collaboration, and Fellowship research proposals for LPS Qubit Collaboratory (LQC)
    - 1) pursue disruptive fundamental research and enabling technologies with a focus on qubit development for quantum computing and other applications (such as sensing);
    - 2) grow deep, collaborative partnerships to tackle the most difficult and relevant long-term problems in quantum information science and technology; and
    - 3) build a quantum workforce of tomorrow through research experiences in government at LPS and at LQC partners.

Future Program Announcement: Quantum Benchmarking Initiative (QBI) 2026 Solicitation

DARPA-SN-26-01

- **Who**
  - *Gov't*: Defense Advanced Research Projects Agency (DARPA)
  - *Eligibility* : Not posted
- **What**
  - The type of solicitation: Special Notice
- **When**
  - Published: 02 OCT, 2025
  - Due: 30 NOV, 2025
- **Where**
  - Webpage: https://sam.gov/workspace/contract/opp/62439507da55469394caf85b110aed75/view
  - Contact information:
    - PS Coordinator;
    - qbi@darpa.mil
- **Why**
  - *Funding*
    - *N/A*
  - *Technical*
    - The primary goal of the QBI program is to determine if any emerging approaches to quantum computing can achieve industrially useful operation much faster than conventional predictions. The QBI program is verifying and validating approaches that enable revolutionary advances in design, engineering, testing, and evaluation in the domain of fault-tolerant quantum computing and explore computational workflows that include quantum compute steps.

Quantum Information Sciences

FA875023S7001

- **Who**
  - *Gov't*: DoD– Dept of the Air Force
  - *Eligibility* : Not posted
- **What**
  - The type of solicitation: Presolicitation
- **When**
  - Published: 24 JUN, 2025 at 3:30 PM EDT
  - Due:
- **Where**
  - Webpage: https://sam.gov/workspace/contract/opp/09bd8649bd994e3fad6e14897bb26ed4/view
  - Contact information:
    - Primary POC: Jon Maggiolino
    - Jon.maggiolino@us.af.mil
    - Alternative POC: Amber Buckley
    - Amber.buckley@us.af.mil
- **Why**
  - *Funding*
    - *N/A*
  - *Technical*
  - This technical area focuses on other topics relating to the areas of quantum communication, quantum networking, and quantum computing. Specific focus areas are novel quantum bit technologies, quantum protocols for networking and computation, and enabling technology development.

Helpful Links

1. SAM.gov – Contract opportunities
2. GRANTS.gov – Federal funding opportunities
3. SBIR.gov – SBIR/STTR information and solicitations
4. defensesbirsttr.mil – DoD-specific solicitation information
5. dodsbirsttr.mil – DoD-specific solicitations
6. sbir.nasa.gov – NASA-specific solicitations
7. ohiofrn.org – Help with identifying opportunities, matchmaking, and proposal development
8. apex-innovates.org – Help with SBIR/STTR process navigation and matchmaking

Thank you

Mark Bartman, Maj Gen (Ret.), USAF
OFRN Executive Director
Mark.bartman@parallaxresearch.org

Becky Mescher, Program Coordinator
OFRN
Becky.Mescher@parallaxresearch.org

Also contact us at
OFRN@parallaxresearch.org

OFRN Website
https://ohiofrn.org