SUPN LDRD Keywords
FY27 Cycle

Thank you for your interest in partnering with Sandia National Laboratories' researchers! The list below provides high-level keywords that align with Sandia's research needs. Please use the form on our webpage to submit your research summaries that align with the areas below. You may select more than one area per submission.

Although the form will remain open, faculty who are interested in partnering on an FY27 LDRD project should submit their inputs by February 28, 2026 for consideration by Sandia researchers.

Contact AcademicPrograms@sandia.gov with any questions.

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- Actuation
- Additive Manufacturing
- Advanced Manufacturing
- Advanced Nuclear Reactors
- Advanced sensor and timing technologies
- Algorithms
- Analytical measurements
- Arms Control
- Artificial Intelligence
- Avionics
- Biophysics
- Bioscience
- Chemistry
- Chiplet microelectronic ecosystem
- Communication technologies
- Computational Science
- Control
- Countering Weapons of Mass Destruction (WMDs)
- Critical Minerals
- Cybersecurity
- Data Fusion
- Digital and analog computing technologies
- Digital assurance
- Digital Communication
- Digital Engineering
- Digital Twin
- Earth Systems
- Edge Computing
- Electrical Sciences
- Energy Infrastructure
- Energy Supply Chain
- Extreme Environments
- Flight Solutions
- Focal Plane Arrays
- Gate All Around Field Effect Transistors
- Genetic engineering
- Generative design
- Heterogeneous Architectures
- Heterogeneous Integration
- High Energy Density
- High-Performance Computing (HPC)
- Human–Machine Teaming
- Hypersonics
- Imaging
- Immunology
- Information Science
- Machine Learning
- Materials
- Microelectronics
- Nano-scale and micro-scale enabled performance
- Navigation
- Neuromorphic
- Non-Kinetic Effects
- Nuclear waste management
- Parameter Sensitivity
- Part Acceptance
- Power Delivery
- Power electronics
- Predictive biology
- Process Controls
- Proliferation Assessment
- Quantum
- Radiation Detection
- Radiation Effects
- Radiation-Hardened
- Remote sensing
- Requirements engineering
- RF Spectrum Characterization
- Sensors
- Silicon Photonics
- Specification refinement
- Spectroscopy
- Subsurface energy extraction/ storage
- System-on-Chip
- Systems engineering