

We Make Big Science Happen

Bringing expertise in science, technology, engineering, and education



JEFFERSON LAB

- 40 years of continuous management of the Jefferson National Accelerator Facility
- 1/3 of U.S. PhD's in nuclear physics carried out their research
- Key provider of advanced superconducting accelerator and large cryogenic systems
- 170 patents and 17 active licenses

BY THE NUMBERS

- 56 University Members
- 12 Minority-Serving Institutions
- 48 R1 or R2 members
- 26,000 PhDs (in 2023)
- 300 National Academy of Science Members
- \$20B annual research expenditures

BENEFITS

- Opportunity for teaming on large federal programs for more robust offering
- Collaborate with Subject Matter Experts in cutting edge disciplines including AI/ML
- Access to leading facilities
- Create the next big science idea
- Offer expertise in contracting, federal and state advocacy, and other back office support



Nuclear, Chemical,
Mechanical, &
Aerospace Engineering



Earth and
Space Sciences



Oceanography
and
Environment



Microfabrication



Computer
Modeling



AI / Machine
Learning

SURA's 56 member universities

collaborate on revolutionary scientific discoveries that have local, national, and global impact. We make big science happen by fostering collaboration among our members to enhance their capabilities when undertaking significant, transformative scientific research projects that no single institution or small consortium can handle independently.

As a consortium of advanced research institutions, we collaborate with our members to bring together expertise in science, technology, engineering, and mathematics to support the Department of Energy's Thomas Jefferson National Accelerator Facility, the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA), and the Department of Defense (DoD), in addition to other high-tech federal and commercial industry research and development programs. SURA is focused on advancing science, research, and educational discovery for our clients and partners. We provide staff support for collaborative scientific research from SURA university undergraduate and graduate students, recent graduates, and post docs, with leadership and support from visiting professors taking.

One example of the power of this collaboration is SURAnet. When high-capacity computer resources were a recognized need by the mid-'80's, SURA met the challenge and built "SURAnet" with support from the National Science Foundation. This network allowed large-scale collaborations and helped develop Internet communications standards and protocols. SURA went on to help create regional optical networks, and in partnership with AT&T, helped shape the current national research and education network landscape. Today, that same community works to assess cloud vendors, improve security, grow access to high performance computing systems, and develop a skilled workforce to meet the rapidly expanding and ever more complex demands.

The SURA logo is displayed in white, bold, italicized capital letters on a blue background. The background of the entire page features a close-up, high-angle view of a complex fiber optic network with numerous cables and connectors, some highlighted with yellow and red markings.

For more information about SURA please contact:

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