



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
SCIENCE

Award and Proposal Updates Relevant to the Low Energy Community

**Low Energy Community Meeting
August 12, 2020**

Sharon Stephenson



I. Comparative Reviews

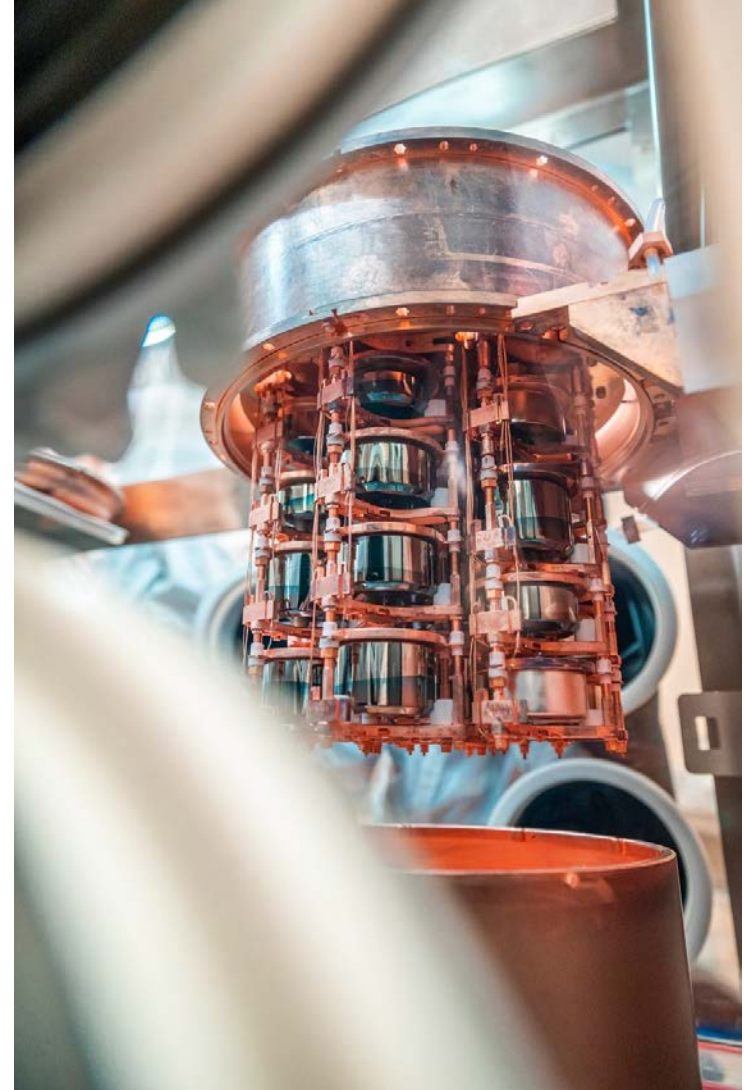
II. SBIR

III. SCGSR



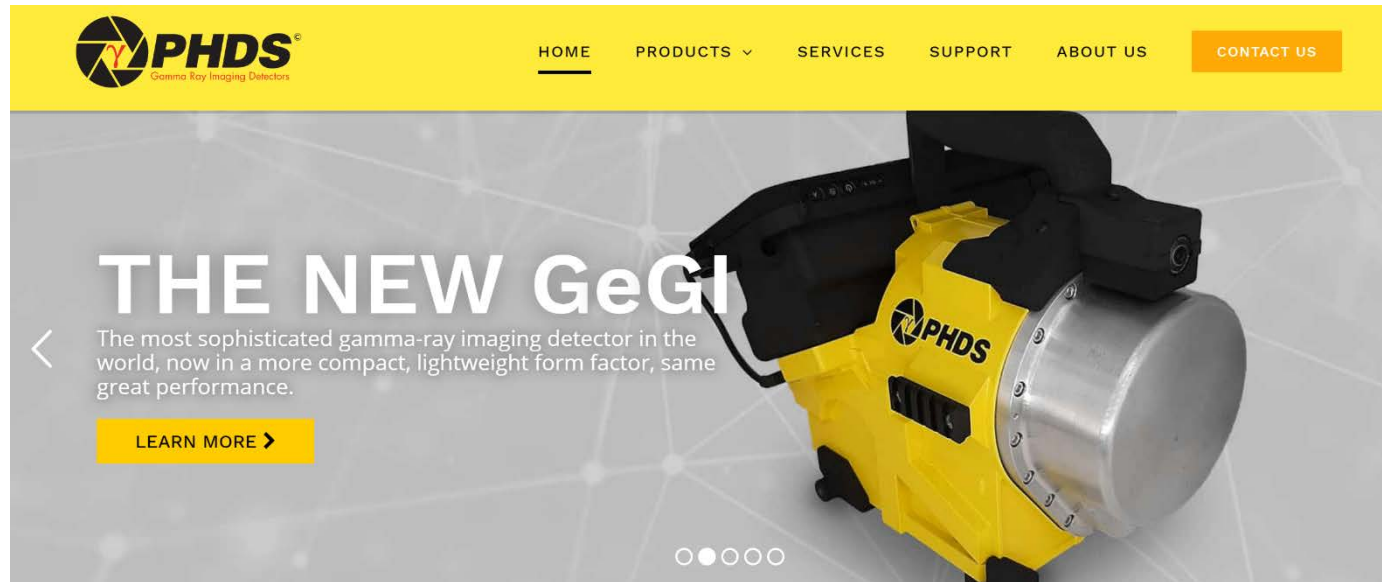
Comparative Reviews

- ✓ **Resource driven**
- ✓ **Ensure funding is efficient, effective**
- ✓ **Compete new and renewal proposals on equal footing**
- ✓ **Optimally balance physics priorities within a portfolio**





- *New proposal due date unchanged: September 30, 2020*
- *Renewal proposals changes: all due November 15, 2020*
- *Award dates shift: April, May, June*



FY 20201 Topics:

- Software & Data Management
- Electronics Design & Fabrication
- Accelerator Technology
- Instrumentation, Detection Systems & Techniques



- Subtopic revision, based on the NP community's input, asks for hardware prototypes or methods in order to keep up with the ever increasing demands for current and future NP experiments and user facilities.
- With a goal to have these items available for projects some 5-7 years in the future, this increases the potential for commercialization.

Adelphi Technology, Inc.



Image reference: <https://www.sbir.gov/node/1519111>

Program Manager Michelle Shinn



U.S. DEPARTMENT OF
ENERGY

SBIR & STTR Opportunities

Virtual 2020 SBIR STTR Exchange Meeting

August 13 - 14, 2020

Sponsored by the Department of Energy Office of Science, Office of Nuclear Physics



The Department of Energy (DOE) Office of Nuclear Physics (NP) is organizing a two day information exchange meeting between the representatives of Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) companies with active Phase II grants supported by NP, scientists and engineers from the NP community, and NP Federal Program Managers. Program Managers from other DOE Offices and Federal Agencies may also attend. The meeting will include presentations from the SBIR/STTR companies on their research and presentations from invited speakers on the relevant technical needs of the NP community.

<https://www.ornl.gov/2020SBIRSTTRExchangeMeeting>

Program Manager Michelle Shinn



The SCGSR Program provides supplemental awards to outstanding graduate students to spend 3 to 12 months conducting part of their doctoral thesis/dissertation research at a host DOE national laboratory/facility in collaboration with a DOE laboratory scientist.

- Graduate students must apply online through the online application system.
- The application requires a research proposal and letters of support from both the graduate student's thesis advisor and the collaborating DOE laboratory scientist.
- Student's research and proposed SCGSR project must be aligned with one of the identified SCGSR priority research areas defined by the SC Program Offices and specified in the solicitation.
- Applications proposing to use an SC user facility must apply for user facility time separately.

Award Benefits:

- *A monthly stipend of up to \$3,000/month for general living expenses*
- *Reimbursement of inbound/outbound traveling expenses to/from the host DOE laboratory/facility of up to \$2,000*

(Award payments are provided directly to the student)

Eligibility:

- *U.S. Citizen or Lawful Permanent Resident*
- *Qualified graduate program & Ph.D. Candidacy*
- *Graduate research aligned with an SCGSR priority research area*
- *Establishment of a collaborating DOE laboratory scientist at the time of application*



Convergence Research Topical Areas

Microelectronics (ASCR, BES, HEP, and NP)

Data Science (ASCR, BES, BER, FES, HEP, and NP)

Conservation Laws and Symmetries (BES, HEP, and NP)

Accelerator Science (ASCR, BES, BER, FES, HEP, and NP)

Nuclear Physics (NP)

- (a) Medium Energy Nuclear Physics*
- (b) Heavy Ion Nuclear Physics*
- (c) Fundamental Symmetries*
- (d) Nuclear Structure and Nuclear Astrophysics*
- (e) Nuclear Theory*
- (f) Nuclear Data and Nuclear Theory Computing*
- (g) DOE Isotope Program*
- (h) Accelerator Research and Development for Current and Future Nuclear Physics Facilities*
- (i) Quantum Information Science for Experimental and Computational Nuclear Physics*
- (j) Artificial Intelligence and Machine Learning for Nuclear Physics*
- (k) Advanced Detector Technology Research and Development in Nuclear Physics*