

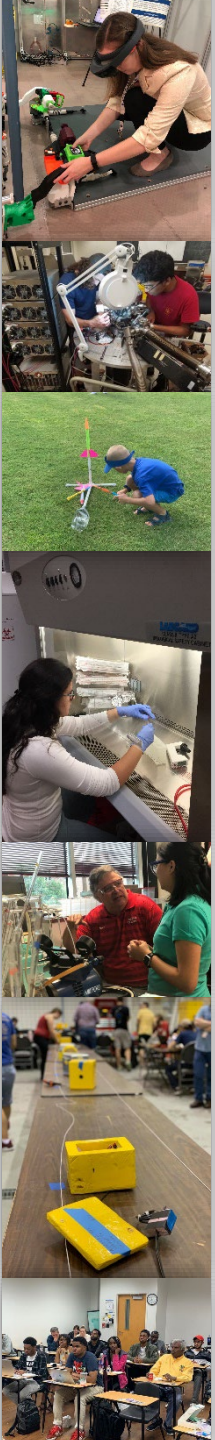


Introduction to LaSPACE & 2022-2023 Funding Opportunities

Colleen H. Fava, Assistant Director

CY 2022 Quarter 1 Webinar

Monday, March 28, 2022, 5 pm – [Zoom](#)



Introduction / Outline / Presentation Summary Slide

Introduction to Louisiana Space Grant (LaSPACE) & funding opportunities for the 2022-2023 AY.

- What is Space Grant/LaSPACE?
- LaSPACE Management Team & Affiliate Reps
- Programmatic Areas
- Current Funding Opportunities
- Proposal Tips
- LaSPACE Communications
- Q&A



Q&A Site: <https://app.sli.do/event>

NASA's National Space Grant College & Fellowship Program

Congress established the Space Grant program under Title II of the NASA Authorization Act of 1988 (P.L. 100-147)

- Increase participation in space-related research and education at the universities of the Nation
- Encourage and support multidisciplinary programs of space research within the university community and with industry
- Encourage and support the existence of jurisdiction consortia and nationwide networks made of university and industry members to advance the exploration and development of space resources

Space Grant Network is in all states & several territories.

- 52 Space Grant Consortia (all states + DC & PR); activity in Virgin Islands under SC & in Guam under HI
- Over 1000 affiliated institutions
- FY22 National Funding: \$54.5M / Local Funding: \$800K + cost-share

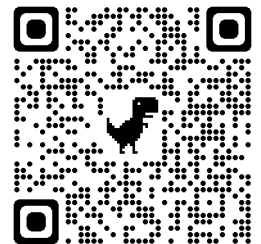
Louisiana Space Grant Consortium (LaSPACE)

Established in 1991, LaSPACE is an open consortium with 37 total affiliates including universities, community colleges, state education boards, museums, industry, and nonprofit organizations

- Funded by NASA with significant in-cash cost share support from the LA Board of Regents & LSU (the lead institution). Additional cost-share is met via match requirements on some of our programs.
- Managed centrally at LSU by a 5-person core team with institutional support from affiliate reps.

LaSPACE operates within a competitively awarded funding model organized into 4 broad programmatic categories

- Student Research
- Seed Funding for Faculty
- Experiential Learning
- K-12 PD & Public Outreach



Louisiana Space Grant and NASA EPSCoR (LaSPACE) Management Team



T. Gregory Guzik
Director



Colleen H. Fava
Assistant Director



Meaghin Woolie
Manager



Doug Granger
Flight Program Manager



Aaron Ryan
Flight Program Instructor & Outreach



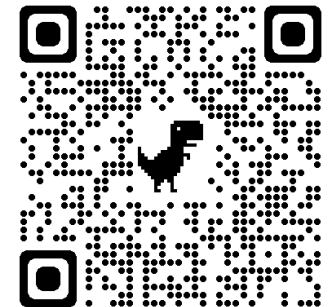
All active LaSPACE Affiliates have an institutional rep who can help answer questions about opportunities and who will disseminate information and promote our programs.

LaSPACE Affiliate Database on the LaSPACE Website

LOUISIANA SPACE GRANT CONSORTIUM

		ABOUT	PROGRAMS	DOCUMENT CENTER	LASPACE MEETINGS	LASPACE FAQs	NATIONAL NETWORK
	University of Louisiana			Hall, 135 Sam Sibley Dr.			
vacant	SciPort Louisiana's Science Center	vacant		820 Clyde Fant Parkway	Shreveport LA	vacant 71101	https://www.sciport.org
Gerard Blanchard	Southeastern Louisiana University	gerard.blanchard@selu.edu		Pursley 112	Hammond LA	985-549-2159 70402	https://www.selu.edu/
Michael A. Stubblefield	Southern University and A & M College	michael.stubblefield@subr.edu		P.O. Box 9272	Baton Rouge LA	225-771-5231 70813	http://www.subr.edu/
Diola Bagayoko	Southern University and A & M College	diola_bagayoko@subr.edu		P.O. Box 11776	Baton Rouge LA	225-771-2730 70813	http://www.subr.edu/
Iliya Tietzel	Southern University at New Orleans	itietzel@suno.edu		6400 Press Drive	New Orleans LA	504-286-5111 70126	http://www.suno.edu/
Mark J. Fink	Tulane University	fink@tulane.edu		NULL	New Orleans LA	504-862-3568 70118	https://www.tulane.edu
Afef Fekih	University of Louisiana at Lafayette	afef.fekih@louisiana.edu		P. O. Box 43890	Lafayette LA	337-482-5333 70504	https://www.louisiana.edu
Ken Leppert	University of Louisiana at Monroe	leppert@ulm.edu		Hanna 306	Monroe LA	318-342-1918 71209	https://www.ulm.edu/

Find affiliates and their institutional representatives in our online database here: <https://laspace.lsu.edu/laspace-consortium-members/>



UG Student Research Funding (1)

Research support for an individual student working with a faculty mentor (PI).

LaSPACE Undergraduate Research Assistantship (LURA)

Supplement and enhance the undergraduate academic curriculum by providing a science/engineering student with a hands-on, mentored research experience relevant to space sciences. Must align with a NASA Mission Directorate.

- 12 months (08/15/22-08/14/2023)
- \$4700 (≥\$3k direct to the student) / No match
- Proposals due 04/22/2022 before midnight via laspace@lsu.edu

Louisiana Space & Sea grant Opportunities (LaSSO) for Undergraduate Research

Similar to the LURA award program, except requires joint alignment to NASA SMD Earth Sciences and NOAA.

- 9 months (09/01/22-05/31/2023)
- \$4000 (≥\$3k direct to the student) / No match
- Proposals due 05/20/2022 before midnight via laspace@lsu.edu

UG Student Research Funding (2)

Research support for a cohort of students working with faculty on either a common research/design project or individual projects at an HBCU.

HBCU Institutional Scholars (HIS)

Provide support for an institutional program to attract, engage, and retain HBCU students in STEM fields providing training not normally obtained in the classroom such as technical presentation skills, mentoring to guide the student through their academic program, providing experiences relevant to aerospace / space sciences, and exposing the students to alternate NASA related careers. Must align with a NASA Mission Directorate.

- 12 months (08/15/22-08/14/2023)
- \$25,000 (≥\$3k direct to the student) / No match
 - Long established programs may request a higher amount with advance permission
- Proposals due 04/22/2022 before midnight via laspace@lsu.edu

Graduate Student Research Funding

Research support for a graduate student (MS or PhD) working with a faculty advisor (PI) on thesis/ dissertation research aligned with a priority within at least one NASA Mission Directorate

Graduate Student Research Assistance (GSRA)

Augment the lower-than-average compensation levels available to promising graduate students on LaSPACE campuses. Provide financial support to supplement student assistantship stipends, materials costs, and expenses related to field work and attending professional meeting and conferences.

- 12 months (08/15/22-08/14/2023)
- \$8,000 (\geq \$4k direct to the student) / \$8000 Match Required
- Proposals due 04/22/2022 before midnight via laspace@lsu.edu

Faculty Research Funding

Research seed funding for an early career faculty member or an established faculty member pursuing a new area of focus. Funded through the Louisiana Board of Regents Support Fund Cost-Share.

Research Enhancement Awards (REA)

Intended to develop expertise and to contribute to research competitiveness. Diversified budget is expected (some salary support for PI, grad and ug students, materials, lab fees, travel, etc). Established contacts/collaborations/ties to NASA centers and NASA researchers are strongly encouraged. Clearly established alignment to a research priority within a NASA Mission Directorate is required.

- RFP will be released on Friday, April 1st
- 12 months (09/01/22-08/31/2023)
- NOIs Required (05/20/2022)
- \$30,000-\$35,000 / ~1:1 Match Required
- F&A limited to 25% / Unrecovered F&A allowed as part of the match
- Proposals due 06/10/2022 before midnight via laspace@lsu.edu

Experiential Learning Funding

Project-based experiential programs provide science & engineering students with a complete project lifecycle, from design through results analysis with varying degrees of sophistication.

Experiential programs can range from week-long workshops with basic training to large-scale projects with multiyear requirements.

- RockOn! (week-long workshop; closed for this year)
- Senior Design (aligned with an accredited senior design course)
- LaACES (year-long scientific ballooning program)
- SAFOS (support for advanced flight projects; open year-round as funding is available)

Senior Design Funding

High-level student-led research and design projects conducted under the auspices of a formal Senior Design or Capstone Course.

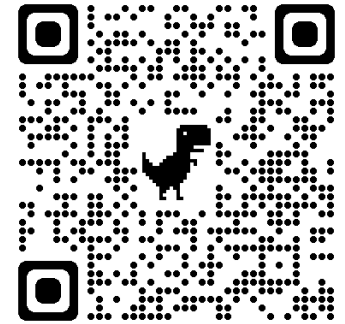
Senior Design

Projects must show clear relevance to NASA's mission and ongoing research at one or more of the NASA centers and be clearly aligned with research under the umbrella of one or more of the four mission directorates. This funding source is meant to supplement the cost of materials and supplies and/or travel for competitions related to such formally established senior design projects/courses.

- 12 months (08/15/22-08/14/2023)
- \$4000 / \$4000 Match Required
- PIs submitting more than one proposal must rank order proposals
- Proposals due 05/20/2022 before midnight via laspace@lsu.edu

Louisiana Aerospace Catalyst Experiences for Students (LaACES)

Academic year-long flight project under the direction of the LaACES Management Team at LSU. Common curriculum & design documents required to simulate a project lifecycle.



LaACES

Fall Semester: lectures and hands-on activities build student skills in basic electronics, sensor interfacing, real-time programming, mechanical development, and project management. Spring Semester: apply these skills to the design, development, fabrication, and flight of a small (~500 gram) balloon payload.

- 12 months (08/15/22-08/14/2023)
- \$12,000 / Match Suggested
- No more than 1 proposal per campus will be funded
- PI can be faculty or staff
- Special competition for Solar Eclipse Ballooning Participation (10/23 & 4/24)
- Proposals due 05/20/2022 before midnight via laspace@lsu.edu

Support for Advanced Flight Opportunities for Students (SAFOS)

Advanced flight projects offer student scientists and engineers a real-world technical and project management experience, which contributes to a skilled technical workforce for the aerospace industry.

SAFOS

Funds from SAFOS may be used to support student teams participating in programs like HASP, RockSat-C, RockSat-X, & NASA Student Flight Challenges. Other advanced flight programs that emphasize a complete project lifecycle, from design to build through flight and post-flight analysis, are eligible.

- 6-18 months depending on project requirements / parent award pop
- \$5000-\$25,000 / Match not required, but evidence of full funding expected
- Monthly progress reports are required for awarded projects
- Proposals due 05/22/2022 before midnight via laspace@lsu.edu

K-12 Teacher Professional Development

K-12 Teacher PD

Higher education support is the primary mission of LaSPACE, but we recognize that it is at the pre-college level where a student's life-long interest in STEM disciplines takes root. Since we have limited resources for such programs, we focus our "K-12" funding primarily on Teacher Professional Development.

Liftoff

An inter-jurisdictional partnership with the Texas Space Grant Consortium by supporting Louisiana teacher participation in the "LiftOff" series of professional development workshops every summer.

Special Projects

We support projects initiated by higher education faculty at member institutions to develop tools for K-12 teachers. E.G. A safe solar viewing website for the 2017 Solar Eclipse.

- No formal RFP / Proposal Process
- Project support ranges from \$500--\$10,000
- Contact our management team at laspace@lsu.edu to discuss opportunities

Public Outreach Support

Projects associated with informal education and public scientific literacy.

Public Literacy And Community Engagement in Science (PLACES)

Funding for outreach developed by faculty or staff at LaSPACE affiliates. Universities engaged in cutting edge NASA scientific research and engineering provide STEM expertise and content that is potentially of interest to the general public. Regional science centers provide a venue for reaching a large general audience and have experience in presenting STEM content for public consumption.

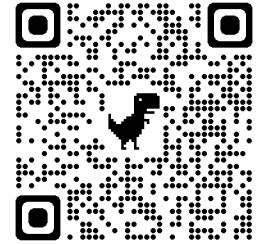
- 6-12 months
- \$1000-\$10,000 / Match not required
- Proposals accepted as funding is available

Mobile Astronomy Resource System (MARS Truck)

LaSPACE can also provide some in-kind support for outreach events via the MARS truck, a light commercial box truck containing computer-controlled telescopes, a digital portable planetarium, and a transdisciplinary collection of physics demonstrations and hands-on STEM activity kits to provide a STEM learning experience to diverse audiences.

Opportunity Schedule Recap / Next Up

All Proposal Guidelines can be found on our website, <https://laspace.lsu.edu/>, under the programs tab.






Program Name	RFP Release	Proposals Due	Period of Performance
GSRA	2/11/2022	4/22/2021	08/15/2022 - 08/14/2023
LURA	2/11/2022	4/22/2021	08/15/2022 - 08/14/2023
HIS (HBCU Scholars)	2/11/2022	4/22/2021	08/15/2022 - 08/14/2023
LaACES	3/11/2022	5/20/2022	08/15/2022 - 08/14/2023
Senior Design	3/11/2022	5/20/2022	08/15/2022 - 08/14/2023
LaSSO	3/11/2022	5/20/2021	09/01/2022 - 05/31/2023
REA	4/1/2022	6/10/2022	09/01/2022 - 08/31/2023

Next Up: Wednesday, April 13th 5—6 PM Office Hours

- *Read the guidelines*
- *Follow the required structure*
 - *Include all sections*
 - *Present all sections in the order requested*
 - *Do NOT provide sections that were not requested*
- *DEIA initiatives are EXPECTED*
- *NASA alignment to at least one MD is REQUIRED*
- *Route proposals through proper channels for sign-off*
- *Provide budget details*



- *Join our listservs*
 - General: submit request to laspace@lsu.edu
 - Student: add info to tinyurl.com/2fsv3563
- *Follow us on Social Media*
 -  [Facebook](#) (@LaSPACEandEPSCoR)
 -  [Instagram](#) (@LaSPACEGrant)
 -  [Twitter](#) (@LaSPACEGrant)
- *Check our Website(s)*
 - Space Grant: <https://laspace.lsu.edu/>
 - LaACES: <https://laspace.lsu.edu/laaces/>
 - NASA EPSCoR: <https://lanasaepscor.lsu.edu/>
 - Send questions to laspace@lsu.edu



Thank you! Questions?



Q&A Site: <https://app.sli.do/event>