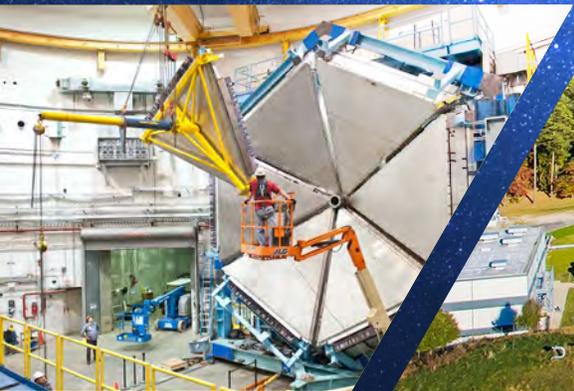
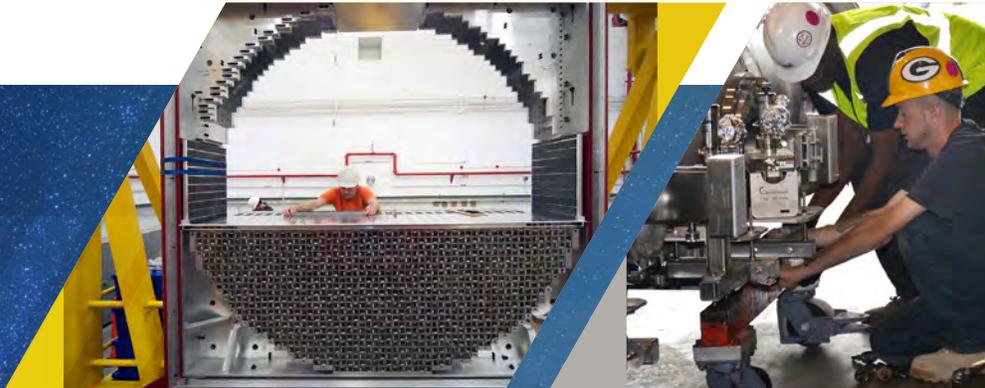


SURA



FY2022 Annual Report

A Letter from the Chairman of the Board



In January of 2022, after an extensive and lengthy search, the SURA Board of Trustees was pleased to announce that Dr. Sean J. Hearne would serve as SURA's next President and CEO, starting February 14th, 2022. The members of the search committee and executive committee agreed that we were fortunate to attract a professional like Dr. Hearne who had the full set of qualities we were looking for to lead SURA including a collaborative leadership style, strategic vision, and an impressive record of scientific discovery demonstrated at Oak Ridge National Laboratory (ORNL) and Sandia National Laboratories (SNL). He has ably managed portfolios of projects across both basic science and applied programs and has worked in NNSA as well as in national security.

Dr. Hearne is charged with creating SURA's new strategic plan focused on building SURA into a world-leading, member-based organization enabling science on the forefront of discovery and innovation.

In addition to welcoming Dr. Hearne, I would like to also express the Board's appreciation to Scott Hartranft, SURA's CFO and Corporate Treasurer, who served as SURA's interim President & CEO while the search for a new President & CEO was underway. Under Mr. Hartranft's leadership, the SURA team made several key operational changes, most notably, acquiring PAE Applied Technologies, LLC's interest in Jefferson Science Associates, LLC, the management and operating contractor for the Thomas Jefferson National Accelerator Facility. He worked closely with staff in every department, supporting the overall culture to become more collaborative and optimistic about the organization's future. He implemented many positive improvements, including upgrading SURA's information technology platform to ensure SURA was well positioned for the arrival of our new leader.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Norton'. The signature is fluid and cursive, with a large initial 'D' and a long, sweeping tail.

DR. DAVID P. NORTON

Chairman of the Board of Directors

A Letter from the President and CEO



Dear SURA Member Universities,

As we conclude fiscal year 2022, I am delighted to present to you an overview of the remarkable accomplishments and key events that have shaped our organization, the Southeastern Universities Research Association (SURA). This year has been one of transition, transformation, growth, and significant achievements for SURA, and I am honored to share these highlights with you.

First and foremost, fiscal year 2022 has marked a period of change for SURA, positioning us for an even brighter future. A significant milestone was SURA's acquisition of PAE's ownership portion of Jefferson Science Associates (JSA), a moment that has solidified our commitment to scientific excellence. With this ownership, we established a new board of directors for JSA, comprising highly experienced individuals with backgrounds from the Department of Energy (DOE), several national laboratories and the scientific community. Together, we are poised to unlock new opportunities and drive impactful collaborations.

In February 2022, I assumed the role of President and CEO of SURA, succeeding Scott Hartranft, who served as the interim President and CEO for ten months. I wish to express my utmost gratitude to Scott for his outstanding leadership and his significant contributions in propelling SURA into a significantly stronger position. Under Scott's guidance, SURA made remarkable progress, laying the foundation for our future success.

Upon joining SURA, one of my primary objectives was to develop a new strategic plan for the organization, the first of its kind in a decade. This comprehensive plan focuses on four strategic pillars: successful management of Jefferson Lab, capturing new scientific staffing projects, delivering industry-leading value to our members, and ensuring operational excellence. Through these strategic pillars, we aim to amplify our impact and drive meaningful advancements in scientific research and collaboration.

In November 2021, we celebrated the commencement of the NASA-funded Goddard Earth Sciences Technology and Research II (GESTAR II) program, a remarkable achievement in partnership with the University of Maryland, Baltimore County and Morgan State University. This program, supporting over a hundred research staff at NASA Goddard Field, positions SURA at the forefront of staffing students and visiting faculty to support NASA's mission of scientific discovery. It represents a significant milestone in our efforts to foster groundbreaking research endeavors and nurture the talent of emerging scientists.

I am thrilled to announce that fiscal year 2022 marked a turning point in SURA's financial performance. After a decade-long trend of operational losses amounting to \$2-3 million per year, we achieved a break-even from operations. This accomplishment is a testament to the dedication and hard work of the entire SURA team, as well as the strategic initiatives we implemented to ensure sustainability and growth.

Amidst the challenges posed by the COVID-19 pandemic, the SURA headquarters team demonstrated exceptional resilience and adaptability. They weathered the storm with unwavering professionalism, allowing us to seamlessly transition from remote work to a hybrid schedule. This commitment ensured the continuity of our operations and the support we provide to our esteemed members.

Furthermore, several significant changes in senior staffing have occurred both at SURA and at our wholly owned subsidiary, Jefferson Science Associates (JSA). Aida Lebbos joined SURA as the new General Counsel, bringing invaluable legal expertise to our organization. At JSA, David Dean assumed the role of Jefferson Lab Deputy Lab Director, joining us from Oak Ridge National Laboratory, while Jonathan Huff joined Jefferson Lab as the Chief Operating Officer, bringing his extensive experience from Sandia National Laboratories. These exceptional individuals have enriched our leadership team, further reinforcing our capacity to drive impactful research initiatives and forge fruitful partnerships.

In closing, I want to express my sincerest gratitude to each and every one of you for your unwavering support and dedication to the mission of SURA. Together, we have accomplished remarkable milestones, and I am confident that we will continue to shape a brighter future for scientific research, collaboration, and innovation.

Sincerely,



SEAN J. HEARNE

President and CEO

PROGRAM UPDATES

SPACE SCIENCE & TECHNOLOGY

► CRESST II Extended for 5 More Years

The Center for Research and Exploration in Space Science & Technology (CRESST II) cooperative agreement between NASA's Goddard Space Flight Center and the **University of Maryland-College Park, University of Maryland-Baltimore County, Catholic University of America**, Howard University, and SURA was extended for an additional 5 years in April 2021 to end in March 2027. The CRESST II program facilitates collaboration between NASA researchers and space scientists from CRESST II partner institutions conducting research in support of NASA Goddard's astrophysics and solar system exploration work.

In the CRESST II partnership, SURA is the lead institution in recruiting and attracting visiting and short-term scientists, as well as administering multiple educational and professional development programs, like the summer internship program, scientific colloquia, workshops, student interaction events with NASA scientists, and other program support.

In FY22, SURA developed and implemented the second annual postbac program providing professional development for recent bachelor degree graduates working full time in CRESST II. Activities included one on one mentoring with the CRESST II Director, graduate school application review, panel discussions on career paths with NASA scientists, and instruction on best practices for conference presentations. All postbacs in the program were accepted into a graduate program or another full-time position, and the leadership at NASA Goddard are encouraging other divisions to work with SURA's CRESST II program staff to develop similar postbac programs.

► SURA Enters New Collaboration with GESTAR II

The Goddard Earth Science Technology and Research (GESTAR II) program, which began in FY22, is a new 3-year cooperative agreement between NASA's Goddard Space Flight Center and **University of Maryland-Baltimore County**, Morgan State University, **Arizona State University**, Colorado State University, Penn State University, ERT, Northrup Grumman, and SURA. The GESTAR II program works to advance Earth science and Goddard's leadership in earth science research by providing a competitive environment to hire and retain high-quality scientists on track to be leaders at NASA, in academia, and industry.

In the GESTAR II partnership, SURA is the lead institution in recruiting and attracting visiting and short-term scientists, as well as developing new student programs, administering scientific colloquia, and providing other program support.

SURA was influential in developing the necessary workflows and practices to successfully run the program in collaboration with the major partner institutions, **University of Maryland-Baltimore County** and Morgan State University. SURA also engaged two visiting scientists to work with the NASA Goddard civil servants on the AERONET project, a satellite ocean color mission managed by NASA and other space agencies.

“SURA was influential in developing the necessary workflows and practices to successfully run the program”

► **LASSO Contract at Kennedy Space Center**

The Laboratory Services and Support Operations (LASSO) contract at NASA's Kennedy Space Center (KSC) operates and maintains a diverse set of operational and research laboratories that span a wide range of disciplines, many of which may not be traditional NASA technologies, including plant biology, geology, mechanical engineering, surface science, and material science.

SURA is a subcontractor to Amentum on the LASSO contract and fills the role of involving academic researchers and other subject matter experts in KSC's scientific research and engineering activities. SURA entered the last year on the LASSO contract in FY22. In FY22, Jess Buncek, one of SURA's scientists, completed a year-long research project in Antarctica in collaboration with the German space agency. While in Antarctica, Ms. Buncek studied the growth potential of various vegetable species in a controlled lab located in a harsh environment. SURA also engaged a visiting scientist to work with the civil servants at KSC conducting research and leading training on effective plant growth in closed-system chambers.

INFORMATION TECHNOLOGY

In 2022, SURA completed two important programs: C2EXCHANGE and XSEDE.

► **Computational and Data Science Curriculum Exchange (C2EXCHANGE)**

With the Ohio Supercomputer Center (OSC) and SURA as Administrative Partners, the NSF-funded Computational and Data Science Curriculum Exchange (C2EXCHANGE) was a pilot to explore collaboration models to deliver undergraduate computational and

data science curriculum, minors, and certificates with low investment. The exchange approach is intended to minimize the faculty preparation time required to deliver new and updated courses, and increase the number of computational and data science courses offered at the participating institutions. University founding partners included Bethune Cookman University, Clark Atlanta University, Southern University and A&M College, Morgan State University, and University of Puerto Rico at Mayagüez.

► **Extreme Science and Engineering Discovery Environment (XSEDE)**

The Extreme Science and Engineering Discovery Environment (XSEDE) also funded by NSF was a virtual organization that integrated and coordinated the sharing of advanced digital services - including supercomputers and high-end visualization and data analysis resources - with researchers nationally to support science. SURA was funded to lead a suite of workforce development programs that include broadening participation, education, training, and student programs designed to raise the general awareness of the value of advanced computing, extend use to new communities, and contribute to the preparation of the current and next generation of scholars, researchers, and engineers. The rigorously evaluated education and training workshops include innovations such as the Advanced Computing for Social Change curriculum, updated training delivery modalities, blended learning, virtual student internships, and tailored institutional partnerships.

NEWS & EVENTS

► SURA Hosts Energy Justice Forum



On September 30 and October 1, 2022, SURA hosted the Energy Justice Forum, which brought together researchers across multiple disciplines to explore the topic of

energy justice from a myriad of perspectives. Through speakers, panels, and breakout discussions, participants addressed the question: “What is energy justice?”

Daniel White, Energy Program Specialist at the Washington, D.C. Department of Energy, began the program with the keynote address, considering questions such as, “How do we plan our policies to reach all district residents and what does energy justice look like?” Mr. White emphasized the importance of bringing stakeholders together, from building owners to local community members, starting with earliest stages of policy development, to support an equitable energy transition.

Scientists from over a dozen universities, including SURA member Universities, experts in the field from eight organizations, SURA staff, graduate and undergraduate students approached the issue of energy justice through four unique breakout groups over the course of the two-day forum: Community Impact and Implementation; Cyberinfrastructure and Data Science; Energy Research and Development; and Policy, Legal, and Regulatory.

► SURA acquires outstanding interest in Jefferson Science Associates, LLC

In 2021, SURA acquired PAE Applied Technologies LLC’s membership interest in Jefferson Science Associates, LLC (JSA), the management and operating contractor for the Department of Energy’s Thomas Jefferson National Accelerator Facility (TJNAF) in Newport News, VA. As the sole member and owner of JSA, SURA performs the functions of the Administrative Member and Tax Member managing the financial, business, and tax affairs of the company, and is also responsible for the mission, vision and oversight of JSA’s operations.

► SURA establishes a new Ethics Reporting Site in FY22

SURA policies contain general guidelines for conducting business with the highest standards of ethics and include the expectation that employees should disclose when they have a good faith belief that violations of laws, policies or business standards have occurred.

It is the expectation that employees feel comfortable in approaching their supervisor or management in these instances and SURA prohibits retaliating against individuals for making these good faith reports. If an employee prefers to make an anonymous report in confidence, you are encouraged to use the Ethics report line, hosted by a third-party hotline provider, EthicsPoint to submit reports related to ethics and compliance concerns as well as asking for guidance related to policies and procedures.

The information you provide will be sent to a designated individual in the company by EthicsPoint on a totally confidential and anonymous basis if you choose.

There are two ways to submit a report:

1. Click on the SURA Ethics Reporting Site link found at the bottom of SURA's home page.
or
2. Dial toll-free, within the United States, Guam, Puerto Rico and Canada: 844-995-4945

Questions may also be directed to SURA's General Counsel at legal@sura.org.

► International Light Cone Advisory Committee, Inc. (ILCAC)

The International Light Cone Advisory Committee (ILCAC), incorporated in the Commonwealth of Virginia in 2008 under SURA sponsorship, continued its McCartor Fellowship program by awarding scholarships to three promising young physicists at its annual conference in Jeju, Korea, November 29 – December 4, 2021. One of the awards was made to Patrick Barry, postdoc at Jefferson Lab, Newport News, supervised by Prof. Chueng Ji for his Ph.D at SURA member **North Carolina State University**.



During its 2022 annual conference September 19-23, 2022, three promising young physicists received Gary McCartor Awards

- Shohini Bhattacharya, Research associate, Brookhaven National Lab (supervised by Prof. Andreas Metz)
- Eduardo Ferreira, PhD student, Universidade de Lisboa (supervised by Prof. Gernot Eichmann)
- Bailing Ma, Research associate, Argonne National Lab (supervised by Prof. Chueng Ji at SURA Member University **North Carolina State University**)

The Gary McCartor Fellowship Program was established in 2008 in memory of physicist Gary McCartor who provided scientific leadership for the field of light cone physics. With the initial donation from Gary's widow Sheila McCartor, the Program enables young scientists to develop their expertise and contribute to forefront physics research. Travel awards have been made to promising young scientists to attend and present their research at the annual Light Cone conferences.

► Researchers from SURA Member Universities Receive Early Career Awards from Department of Energy (June 2022)

The Department of Energy (DOE) selected eighty-three scientists from across the nation—including twenty-seven from DOE's national laboratories and fifty-six from U.S. universities—to receive a total of \$110 Million in funding for research as part of the DOE Office of Science's Early Career Research Program. To be eligible for the DOE award, a researcher must be an untenured, tenure-track assistant, or associate professor at a U.S. academic institution or a full-time employee at a DOE national laboratory who has received a Ph.D. within the past 10 years.

Awardees were selected from a large pool of university- and national laboratory-based applicants. Selection was based on peer review by outside scientific experts.

Scientists from sixteen SURA member universities and one researcher from the Thomas Jefferson National Accelerator Facility, which is managed by Jefferson Science Associates, LLC, a wholly-owned subsidiary of SURA, are honored with awards this year.

“Scientists from **16** SURA member universities and one researcher from the Thomas Jefferson National Accelerator Facility received prestigious Department of Energy early career awards.”

- Dr. Alexander Austregesilo, **Thomas Jefferson National Accelerator Facility**, for work in advanced methods for hybrid meson searches.
- Dr. Lauren Beckingham, **Auburn University** for research involving mechanisms of hydrogen interaction with earth materials in subsurface storage formations.
- Dr. Livia Casali, **University of Tennessee at Knoxville**, for work on innovative core-edge solutions for tokamaks.
- Dr. Yang-Ting Chien, **Georgia State University** for research probing quark matter and hadronization using energy flow substructure.
- Dr. Christopher Dares, **Florida International University** for work modulating actinide redox chemistry with metal oxide electrodes.
- Dr. Tova Holmes, of the **University of Tennessee at Knoxville**, for research expanding sensitivity to new physics at the LHC through unconventional track signatures.
- Dr. Piran Kidambi, **Vanderbilt University** for studies toward understanding enhanced isotope sieving through defects in 2D membranes.
- Dr. Christopher Monahan, **College of William & Mary** for research on the three-dimensional structure of the proton.
- Dr. Guido Pagano, **Rice University** for trapped-ion quantum simulation for nuclear physics.
- Dr. Denisia Popolan-Vaida, **University of Central Florida** for work on the mechanistic understanding of the Criegee intermediates reaction network in atmospheric and combustion systems.
- Dr. Michael Schulz, **Virginia Tech** for work understanding polymeric chelators for rare-earth element extraction and separation.
- Dr. Brian Summa, **Tulane University** for research on efficient and accessible interactive visual analytics of exascale scientific data.
- Dr. Jorge Villa, **University of Louisiana at Lafayette**, for work assessing greenhouse gas structural and functional resilience of freshwater coastal wetlands subject to persistent saltwater intrusion events.
- Dr. Yao Wang, **Clemson University** for research on analog quantum simulation for solid-state spectroscopies.
- Dr. Xiao-Xiao Zhang, **University of Florida** for work on optical manipulation of magnetic order in van der Waals heterostructures.
- Dr. You Zhou, **University of Maryland at College Park**, for work probing and controlling novel electronic and magnetic ordering in electron-hole Wigner crystals.
- Dr. Aleksandr Zhukhovitskiy, **University of North Carolina at Chapel Hill**, for work on the upcycling of all-carbon polymer backbones into value-added amines via skeletal rearrangement.

► SURA Presents Distinguished Scientist Awards to Dr. Mark Atkinson & Dr. Maura McLaughlin (July 2022)

SURA honored Dr. Mark Atkinson of the **University of Florida** and Dr. Maura McLaughlin of **West Virginia University** with SURA Distinguished Scientist Awards.

The awards were presented by Dr. James Weyhenmeyer, Vice President for Research at **Auburn University** and a member of SURA's Executive Board, during a reception at SURA's headquarters in Washington, D.C. in the presence of members of the Board of Trustees, representatives from Capitol Hill, and SURA's team.

With thirty-eight years of investigation in the field of type 1 diabetes research, Dr. Mark Atkinson is the American Diabetes Association Eminent Scholar for Diabetes Research and Director of the University of Florida Diabetes Institute. He is the author of nearly six-hundred publications and founder of the world's largest type 1 diabetes research program, which supports some three-hundred-twenty projects across twenty-two countries. Dr. Atkinson was awarded the SURA Distinguished Scientist Award "for sustained leadership and significant research contributions that have improved the lives of patients living with type 1 diabetes, as well as to identify a way to prevent the disease in those at increased risk."

The Eberly Distinguished Professor of Physics and Astronomy at West Virginia University, Director of the Center for Gravitational Waves and Cosmology, and CoDirector of the NANOGrav Physics Frontiers Center, Dr. Maura McLaughlin conducts advanced research studying neutron stars and their environments through radio, X-ray, and gamma-ray observations. She was recently named a fellow at the American Physical Society (APS) and is one of the leaders of the Pulsar Search Collaboratory, where she involves high-school students throughout the U.S. in research. McLaughlin was awarded the SURA Distinguished Scientist Award "for leadership of the international scientific community in the use of pulsars as detectors for gravitational waves as well as her dedication to educating the next generation of astronomers and astrophysicists."

The Distinguished Scientist Award is given to scientists who are conducting exceptional research in disciplines related to SURA's programs. Nominations are peer-reviewed by a committee and voted upon by members of SURA's Board of Trustees.

JEFFERSON SCIENCE ASSOCIATES, LLC (JSA)

► JSA, LLC becomes a wholly-owned subsidiary of SURA

In the Fall of 2021, The Southeastern Universities Research Association, Inc. (SURA), acquired PAE's membership interest in Jefferson Science Associates, LLC (JSA). As a result, SURA became the sole member of JSA, the management and operating contractor for the Department of Energy's Thomas Jefferson National Accelerator Facility (TJNAF) in Newport News, VA.

► Jefferson Lab establishes a new Research and Technology Partnerships Office

In conducting its research mission, the skilled and resourceful scientists and engineers at the U.S. Department of Energy's Thomas Jefferson National Accelerator Facility generate ideas and technologies that have the potential to solve real-world problems. Now, with the establishment of its new Research and Technology Partnerships Office, the lab is expanding its innovation capabilities to put the lab's scientific and technological advances to work to the benefit of society.

The Research and Technology Partnerships Office, will guide inventors as well as their discoveries and technologies through the tech transfer process to ensure that intellectual property opportunities receive the focus, support and outreach they need to succeed in the marketplace. Schuchman is the first individual at Jefferson Lab who is singularly dedicated to assisting inventors in finding the right fit for their intellectual property beyond the research environment.



“The lab is expanding its innovation capabilities to put the lab's scientific and technological advances to work to the benefit of society.”



► JSA Initiatives Fund Program

Funded annually by SURA's wholly owned subsidiary, Jefferson Science Associates, LLC, over \$500k was awarded in the 2022 Initiatives Fund Program for 30 individual projects. The Initiatives Fund Program, now in its 17th year has awarded ~\$7.0M for over 400 projects that enable and support programs, initiatives, and activities that further the scientific outreach, and promote the science and technology of the Department of Energy's Thomas Jefferson National Accelerator Facility. Program awards also benefit the Lab's extended user community in ways that complement the Lab's basic and applied research missions.

SELECTED PROJECTS HIGHLIGHTS

JSA/JLab Graduate Fellowship Program: Nine graduate students pursuing doctoral degrees at SURA member universities were selected to receive fellowships for their proposals that incorporated their academic studies with research projects. Academic Year 2021-22 recipients included:

- Yuxun Guo, **University of Maryland**
- Jesse Hernandez, **Florida State University**
- MD Habib Islam, **Old Dominion University**
- Abishek Karki, **Mississippi State University**
- Mitchell Kerver, **Old Dominion University**
- Felipe Ortega-Gama, **William & Mary**
- Phoebe Sharp, **George Washington University**
- Andrew Smith, **Duke University**
- Ezekiel Wertz, **William & Mary**

“**Nine** graduate students pursuing doctoral degrees at SURA member universities were selected to receive fellowships”



*Phoebe Sharp, **GWU**
Monitoring Experimental Data*



*Ezekiel Wertz, **W&M**
Tour Guide in Accelerator Tunnel*

Two students, Ortega-Gama and Smith received the fellowship for a second year. Second-year recipients are required to submit new applications which are evaluated with the new pool of applicants.

JSA/JLab Minority/Female Undergraduate

Research Program: Research stipends were awarded to minority female undergraduate students who worked on projects that were part of the Lab's research program. Natalia Escobar, **Duke University**, and Asia Parker, Duquesne University, were nominated by their faculty advisors to receive the awards. Escobar's project was associated with the SoLID project in the Lab's experimental hall A. Parker's project dealt with code for machine learning applications related to the DOE's Electron Ion Collider project being constructed at Brookhaven National Lab, with which Jefferson Lab is partnered.



Natalia Escobar



Asia Parker

Jefferson Lab Science Activities for Teachers

(JSAT) Program: JSAT is a science education development program for fifth-, sixth-, and eighth-grade science teachers designed to build teachers' skills in the physical sciences and effective teaching methodologies. Conducted virtually in 2022 during the pandemic closure, Lab science education staff provided 46 teachers a curriculum of experiments, demonstrations and activities that emphasized hybrid-friendly activities, enabling positive impact to an estimated 5,500 students through virtual learning.



The JSAT Program culminated with the very popular Teacher Night, which attracted over 120 viewers, allowing the JSAT teachers to share their knowledge and skill in presenting virtual lessons that attendees could use in their classrooms.

The JSAT Program has received recognition and awards including, *Secretary of Energy Achievement Award*, *Business Honor Roll* by the Virginia School Boards Association, and *Teacher Programs That Work* from the Virginia Math and Science Coalition.

► Jefferson Lab Users Organization Prizes and Awards

The Jefferson Lab Users Organization (JLUO), representing the ~1,900-member Lab user community, announced JSA awards and prizes at its 2022 Annual Meeting at Jefferson Lab, June 13-15, 2022.

The **JSA Post Doctoral Research Grant** was awarded to **William & Mary** theoretical post doc researcher Arkaitz Rodas for his proposal *Understanding exotic mesons from quantum chromodynamics*.



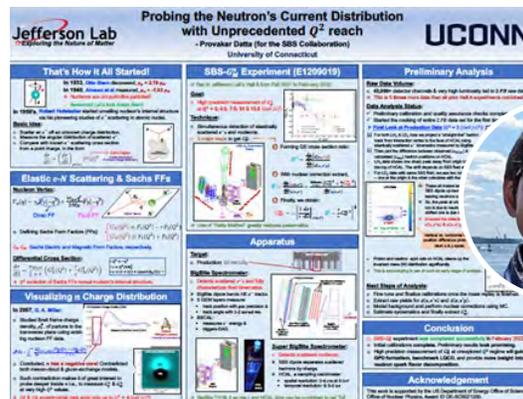
Since the award program was established, over a dozen awards have been made to recognize post docs who supported the Lab's scientific mission. Annually, the Board reviews the proposals of applicants and makes its decision based on the applicants' quality of writing, scientific impact, originality of approach, and mastery of the subject.



The JLUO Board recognized **Virginia Tech** post doc associate Devi Lal Adhikari with the **JSA Thesis Prize** for his dissertation *Neutron Skin Measurement of ^{208}Pb Using Parity-Violating*

Electron Scattering, presented for his PhD from Idaho State University in Pocatello. The thesis prize, established by SURA in 1999, annually recognizes the top thesis based on Jefferson Lab science.

“Since the award program was established, over a dozen awards have been made to recognize post docs who supported the Lab’s scientific mission.”



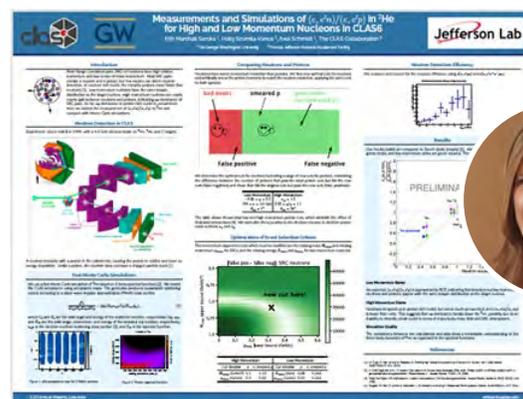
1st: **Provakar Datta, UConn**

Probing the Neutron's Current Distribution with Unprecedented Q^2 Reach

Criteria for the prize includes: quality of the written work, student’s contribution to the research, the work’s impact on the field of physics, and service - how the work contributes to the Lab or other experiments.

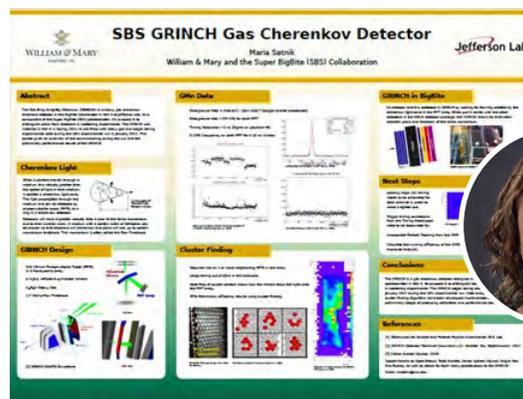
► **JSA Poster Prize Winners**

One of the exciting events on the JLUO Annual Meeting agenda is the Poster Competition. The 2022 JSA Virtual Graduate Student Poster Competition included YouTube video presentations. The panel of judges considered: Scientific context and merit; Scientific accomplishment, contribution and/or innovation; Accessibility to the broad nuclear/particle physics community; Poster design, clarity and visual impact; and the Video presentations of the dozen entrants. In addition to awards to Provakar Datta (**University of Connecticut**), Erin Seroka (**George Washington University**), and Maria Satnik (**William & Mary**), University of Connecticut’s Sean Seeds received an Honorable Mention.



2nd: **Erin Seroka, GWU**

Measurements and Simulations of $(e,e'n)/(e,e'p)$ in ^3He for High and Low Momentum Nucleons



3rd: **Maria Satnik, W&M**

GRINCH Gas Cherenkov Detector for SBS, Hall A

A Letter from the Chief Financial Officer and Treasurer



We are pleased to present the Annual Financial Report for SURA, highlighting our notable achievements during the challenging fiscal year 2022. Despite the ongoing impact of the COVID-19 pandemic, we have generated impressive results and demonstrated resilience in navigating these difficult circumstances.

One of the key highlights is the year-on-year growth in revenue and support, without donor restrictions, which experienced a positive increase of 4.5%. This growth can be attributed to our success in winning new business opportunities and expanding existing awards, emphasizing our commitment to driving sustainable growth.

In FY22, our focused efforts on operational excellence led to a significant accomplishment. We achieved a break-even bottom-line result, marking a notable improvement compared to the substantial annual operating losses reported in the past two decades. This achievement underscores our dedication to sound financial management and optimizing our activities.

During the turbulent market conditions witnessed in FY22, our investment portfolio encountered a decline of 18.9% net of fees. However, we are fortunate that the operational needs of FY22 did not necessitate drawing from the portfolio. By safeguarding these resources, we have preserved them for future strategic initiatives, ensuring long-term sustainability.

As part of our commitment to operational excellence, we made strategic decisions in key areas. This included selecting a new professional services firm to provide audit and tax services, offering enhanced value at a more reasonable cost. Additionally, we engaged a new investment advisory firm to support the administration of our employee retirement plans, delivering unbiased financial guidance to all participants.

We are proud to announce that the financial statement audit for FY22 resulted in an “unmodified” opinion. This esteemed recognition confirms that our internally generated financial statements present the financial position of SURA fairly and accurately, in accordance with accounting principles generally accepted in the United States of America.

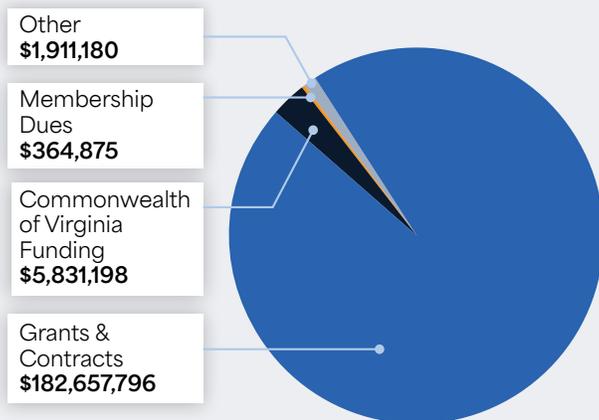
We extend our sincere appreciation to our dedicated team, esteemed partners, and valued stakeholders for their unwavering support throughout FY22. As we move forward, we remain committed to delivering excellence and advancing our strategic goals, ensuring continued success and meaningful impact in the field of collaborative research and education.

Sincerely,

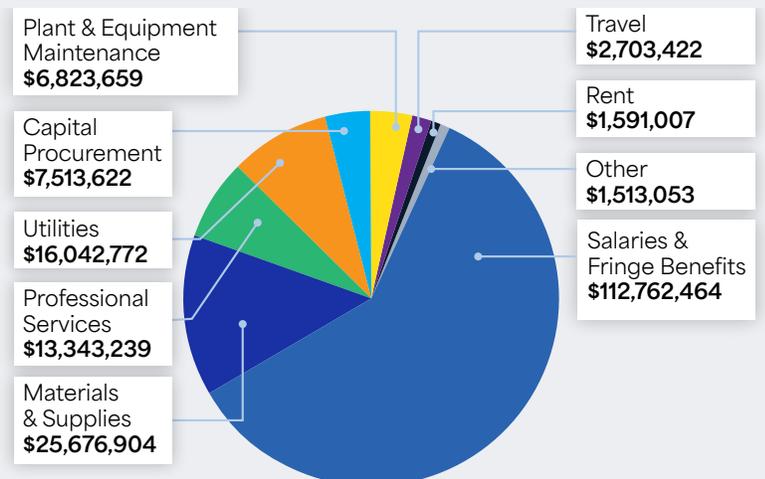


SCOTT A. HARTRANFT, CPA, MBA,
Chief Financial Officer and Treasurer

FY22 Revenue and Support



FY22 Expenses





SURA

MEMBERSHIP



SURA is a consortium of universities with a mission to advance collaborative research and education and to strengthen the scientific capabilities of its members and our nation. It was established as the Southeastern Universities Research Association in 1980 to design, build, and operate what is now Thomas Jefferson National Accelerator Facility – a U.S. Department of Energy science laboratory. Jefferson Science Associates (JSA), a wholly-owned SURA subsidiary, now operates the lab. SURA also facilitates collaboration with government agencies and researchers to advance information technology, understanding of coastal and environmental phenomena, space science and technology, and to promote scientific discoveries that impact our lives.



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