



OFFICE OF RESEARCH SUNY POLYTECHNIC INSTITUTE

March 8, 2024

SUNY Poly Faculty -

Thank you all for such a robust response to our SUNY Poly Seed funding program, 34 proposals submitted with just a couple weeks notice was terrific to see and is strong evidence as to the wealth of interest our campus has for growing our research portfolio. Terrific work everyone!

Below you will find a list of recent funding announcements from Grants.gov. Please keep in mind that you can create your own tailored profile to receive automatic notifications that align with your research interests. Likewise, you can go to the grants.gov website and just search by funding agency in the keyword search (NSF, DOE, DOT, ED, DOD, NEH, NIH, ...), which can then be further sorted by the closing date.

Points of note:

- **Do you want a resource to improve the “Broader Impacts” section of your proposal?** Check out this website shared with me from Michael Jacobson from the SUNY Binghamton Office of Strategic Initiatives. <https://aris.marine.rutgers.edu/index.php>. He notes that the wizard and rubric from this source are especially helpful for their faculty.
- There is an NSF webinar next week regarding their Convergence related research program which targets multidisciplinary teams who are embracing convergence research as a means of developing highly innovative solutions to complex research problems.
 - Thursday, March 14, 2023, 3:00PM - 5:00PM EDT
 - **Zoom Link:**
<https://msu.zoom.us/j/95551249294?pwd=VnVUR2xzdz09>
 - **Passcode:** GCR
 - Sign up to be on the NSF mailing list for this program [here](#)
- New \$40M NSF funding opportunity seeks to accelerate the adoption of cell-free systems for biochemical applications
 - To learn more, read [the CFIRE funding opportunity](#) and [register for an introductory webinar](#) on **March 26, 2024, at 1 p.m. E.T.**
- Are you an early-career engineering faculty member who is considering submitting a NSF CAREER proposal in July 2024? If so, don't miss the [2024 NSF Engineering \(ENG\) CAREER Proposal Workshop!](#)
 - This [workshop](#), which will take place virtually on May 15, 16, & 17, 2024
- The Grant Writer search is still progressing, and we will be scheduling zoom interviews over the next month.

As a reminder, please feel free to reach out to the [Office of Research](#) with any research-related questions. If you are planning to submit a proposal, please reach out to the Sponsored Programs Office at least 2 weeks in advance: preawardadmin@sunypoly.edu

Sincerely,

Michael Carpenter
Interim Dean, College of Engineering
Associate Provost for Research

NYSERDA

[NYSERDA PON 4192 – Flex Tech Program Funding to Help with Clean Energy Curriculum Development](#)

Some relevant text

- Cost-share for developing curriculum/student clean energy engagements:
- Funding must be used to cover costs of faculty/staff time for developing curriculum/student clean energy engagements and ways to implement developments at the institution.
- Faculty/staff must be employed by the Clean Green Campuses Member institution.

Applications accepted on a first-come, first-serve basis dependent on funding availability

until December 31, 2025 by 3:00 PM Eastern Time

AFOSR

Fluid Dynamics <i>Proposals accepted anytime</i>	https://www.grants.gov/web/grants/view-opportunity.html?oppld=347020
Thermal Transport Processes <i>Proposals accepted anytime</i>	https://www.grants.gov/web/grants/view-opportunity.html?oppld=347324
Future Scholars for Science, Technology, Engineering, and Mathematics (STEM) Workforce Development Programs <i>Closing by 6/17/25</i>	https://www.grants.gov/web/grants/view-opportunity.html?oppld=327212

Department of Transportation

Department of Transportation 69A345 Office of the Under Secretary for Policy Safe Streets and Roads for All Funding Opportunity Synopsis 5 Aug 29, 2024 Planning and Demonstration Grant applicants have three deadlines: •Thursday, April 4, 2024, 5:00 PM (EDT)•Thursday, May 16, 2024, 5:00 PM (EDT)•Thursday, August 29, 2024, 5:00 PM (EDT) Implementation Grant applications must be submitted by 5:00 PM (EDT) on Thursday, May 16, 2024.	https://www.grants.gov/search-results-detail/352510
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Department of Defense

Department of Defense Office of Naval Research FY25 Young Investigator Program Synopsis 1 Due date: 4/30/24	https://www.grants.gov/search-results-detail/352297
Department of Defense Office of Naval Research FY25 Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI) Synopsis 1 Due Date: 9/6/24	https://www.grants.gov/search-results-detail/352583

Department of Labor

Department of Labor Employment and Training Administration Apprenticeship Building America, Round 2 (ABA2) Synopsis 1 Due Date: 4/15/24	https://www.grants.gov/search-results-detail/352219
Department of Labor Employment and Training Administration Senior Community Service Employment Program (SCSEP) National Grants Competition for Program Year (PY) 2024 Synopsis 3 Due Date: 5/6/24	https://www.grants.gov/search-results-detail/352098

NSF – for a full listing of upcoming funding opportunities see the following.

https://new.nsf.gov/funding/opportunities?sort=nsf_funding_upcoming_due_dates_DESC&page=2

A subset of these are noted below.

NSF 24-527: Growing Convergence Research (GCR) Webinar noted above: 3/14/24 Due Date: 4/12/24	<u>NSF 24-527</u>
Computer Science For All Due Date 6/4/24	See this in <u>PDF</u> format

Artificial Intelligence, Formal Methods, and Mathematical Reasoning Due Date: 6/3/24	See this in PDF format
Improving Undergraduate STEM Education: Computing in Undergraduate Education <i>Due Date: 5/30/24</i>	See this in PDF format
ACED: Accelerating Computing-Enabled Scientific Discovery Due Date: 5/13/24	See this in PDF format
Facilitating research at primarily undergraduate institutions <i>Proposals accepted anytime</i>	https://www.grants.gov/web/grants/view-opportunity.html?oppld=258835
Improving undergraduate STEM education: Directorate for STEM education <i>Proposals accepted anytime</i>	https://www.grants.gov/web/grants/view-opportunity.html?oppld=322053
Algorithms for Threat Detection (ATD) Supports research on new ways to use spatiotemporal data to model human dynamics, with an emphasis on identifying and forecasting unusual events and future threats. Due Date: 4/10/24	
Ideas Lab: Personalized Engineering Learning <i>Preliminary proposal due 11/29/23</i> <i>Full proposal due 5/8/24</i>	See this in PDF format
Future Manufacturing (FM) Supports research and education to overcome barriers and enable new manufacturing capabilities. Focuses on cybermanufacturing, eco-manufacturing and biomanufacturing. <i>Due Date: 4/11/24</i>	
Secure and Trustworthy Cyberspace <i>Proposals accepted anytime</i>	See this in PDF format

<p><u>Ideas Lab: Breaking the Low Latency Barrier for Verticals in Next-G Wireless Networks (Breaking Low)</u></p> <p>Supports participation in an Ideas Lab — an intense, facilitated workshop — to stimulate collaborative solutions to meet the requirements of specific low-latency verticals including rapid prototyping, testing, validation and at-scale pilot demonstrations.</p> <p>Preliminary proposal due: 4/18/24</p>	
<p><u>Innovations in Graduate Education Program</u></p> <p>Supports research on innovative approaches to improve STEM graduate education and the effectiveness of interventions and policies</p> <p>Due Date: 4/22/24</p>	
<p><u>Ideas Lab: Use-Inspired Acceleration of Protein Design (USPRD)</u></p> <p>Supports participation in an Ideas Lab — an intense, facilitated workshop — to stimulate the translation of novel approaches to protein design and enable new applications of importance to the U.S. bioeconomy.</p> <p>Preliminary proposal due: 4/23/24</p>	
<p><u>Campus Cyberinfrastructure (CC*)</u></p> <p>Supports coordinated campus-level networking and cyberinfrastructure improvements for science applications and distributed research projects.</p> <p>Due Date: 4/24/24</p>	
<p><u>Civic Innovation Challenge (CIVIC)</u></p> <p>Supports planning and implementation of community-university partnerships for significant near-term impacts in one of two focus areas: building climate-resilient communities and bridging the gap between essential resources and services and community needs.</p> <p>Due Date: 5/1/24</p>	

<p><u>Partnerships for Innovation (PFI)</u></p> <p>Supports NSF-funded researchers from all disciplines of science and engineering to perform translational research and technology development, cultivate partnerships and accelerate the transition of their discoveries into innovative technology.</p> <p>Due Date: 5/7/24</p>	
<p><u>Ideas Lab: Personalized Engineering Learning (PEL)</u></p> <p>An Ideas Lab is an intensive meeting that brings together multiple diverse perspectives to focus on finding innovative cross-disciplinary solutions to a grand challenge problem</p> <p>Due Date: 5/8/24</p>	
<p><u>Enabling Partnerships to Increase Innovation Capacity (EPIIC)</u></p> <p>Supports the growth of inclusive innovation ecosystems through capacity-building efforts at institutions of higher education with limited research capacity — preparing these institutions to participate in NSF Regional Innovation Engines at a future time.</p> <p>Due Date: 5/16/24</p>	
<p><u>Next Era of Wireless and Spectrum (NewSpectrum)</u></p> <p>Supports fundamental research to investigate new spectrum access, management approaches and underlying technology enablers for the next spectrum era.</p> <p>Due Date: 5/28/24</p>	
<p><u>Cyber-Physical Systems (CPS)</u></p> <p>Supports research on engineered systems with a seamless integration of cyber and physical components, such as computation, control, networking, learning, autonomy, security, privacy and verification, for a range of application domains.</p> <p>Due Date: 5/30/24</p>	

<p><u>Artificial Intelligence, Formal Methods, and Mathematical Reasoning (AIMing)</u></p> <p>The Artificial Intelligence, Formal Methods, and Mathematical Reasoning (AIMing) program seeks to support research at the interface of innovative computational and artificial intelligence (AI) technologies and new strategies/technologies in mathematical reasoning to automate knowledge discovery.</p> <p>Due Date: 6/3/24</p>	
<p><u>Confronting Hazards, Impacts and Risks for a Resilient Planet (CHIRRP)</u></p> <p>The Confronting Hazards, Impacts and Risks for a Resilient Planet Program (CHIRRP) invites projects focusing on innovative and transformative research that advances Earth system hazard knowledge and risk mitigation in partnership with affected communities.</p> <p>Due Date: 6/6/24</p>	
<p><u>Perception, Action & Cognition (PAC)</u></p> <p>Supports theoretically motivated research aimed at increasing understanding of human perception, action and cognition and their interactions.</p> <p>Due Date: 6/17/24</p>	
<p><u>Building Research Capacity of New Faculty in Biology (BRC-BIO)</u></p> <p>Supports pre-tenure faculty in the biological sciences at institutions that traditionally do not receive significant NSF funding in this field, including minority-serving institutions, predominantly undergraduate institutions and R2 institutions.</p> <p>Due Date: 7/1/24</p>	

Department of Education

<p>Department of Education OSERS: OSEP: Preservice Improvement Enhancement Grants to Support Related Service Providers to Effectively Serve Children with Disabilities and Their Families, Assistance Listing Number 84.325S</p>	<p><u>https://www.grants.gov/search-results-detail/352477</u></p>
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Synopsis 3	
<p>Department of Education OSERS: OSEP: Educational Technology, Media, and Materials for Individuals with Disabilities Program--Stepping-up Technology Implementation, Assistance Listing Number (ALN) 84.327S Synopsis 3 Due Date: 4/30/24, later dates are also noted in the solicitation</p>	<p>https://www.grants.gov/search-results-detail/352667</p>

Department of Energy

<p>Department of Energy Advanced Research Projects Agency Energy Inspiring Generations of New Innovators to Impact Technologies in Energy 2024 (IGNIITE 2024) Synopsis 2 Due Date: 3/29/24</p>	<p>https://www.grants.gov/search-results-detail/350950</p>
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Department of Commerce

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National Endowment for the Humanities

<p>National Endowment for the Humanities Digital Humanities Advancement Grants Synopsis 3 <i>Due date 6/13/24</i></p>	<p>https://www.grants.gov/search-results-detail/349156</p>
<p>National Endowment for the Humanities Humanities Initiatives Synopsis 1 Due Date: 5/7/24</p>	<p>https://www.grants.gov/search-results-detail/349717</p>
<p>National Endowment for the Humanities Research and Development</p>	<p>https://www.grants.gov/search-results-detail/349689</p>

Synopsis 1 Due Date: 5/21/24	
National Endowment for the Humanities Preservation and Access Education and Training Synopsis 2 Due Date: 5/21/24	https://www.grants.gov/search-results-detail/349716

National Endowment for the Arts

National Endowment for the Arts NEA Challenge America, FY2025 Synopsis 2 Due Date: 4/30/24	https://www.grants.gov/search-results-detail/351339