



Funding Opportunities as of April 21, 2021

Opportunities Listed by Deadlines

1. [U.S. Department of Energy Announces \\$52.5 Million to Support U.S. Manufacturers and Industrial Workers](#)

Deadline: April 22, 2021, 5 PM ET

The U.S. Department of Energy (DOE) announced up to \$52.5 million for DOE's Industrial Assessment Centers that help American manufacturers and wastewater treatment facilities improve their efficiency, save money, and reduce their carbon footprint. These university-based training programs also create a pipeline for students looking to join the growing clean energy economy.

The funding will be distributed through DOE's Industrial Assessment Centers (IACs), which are university-based programs that train students and offer no-cost efficiency improvement recommendations to small- and medium-sized manufacturing facilities. IACs selected for this funding will offer coursework and hands-on experience for undergraduate and graduate engineering students in industrial processes, energy-assessment procedures, and energy-management systems. The program pursues two simultaneous goals: (1) supporting U.S. manufacturing competitiveness; and, (2) addressing a growing shortage of engineering professionals with applied energy and manufacturing-related skills. The IAC program provides assessment to small- and medium-sized manufacturers/enterprises (SMEs), defined as having gross annual sales below \$100 million and fewer than 500 employees. The IAC program also screens for SMEs with yearly energy bills between \$100,000 and \$3.5 million.

As a part of this funding opportunity, DOE will also launch a pilot project to expand IAC engagement with underserved communities. Applicants are encouraged to propose training partnerships with technical programs or community colleges that create new opportunities for a diverse mix of students, of all education levels.

DOE anticipates selecting 25 to 35 universities, with individual awards of \$1.5 to \$2.25 million over five years. The deadline for optional letters of intent is April 1, 2021 at 5:00 p.m. ET. Mandatory full applications are due on April 22, 2021 at 5:00 p.m. ET. This four-year global competition invites innovators and teams from anywhere on the planet to create and demonstrate solutions that can pull carbon dioxide directly from the atmosphere or oceans ultimately scaling massively to gigaton levels, locking away CO₂ permanently in an environmentally benign way. Solutions will be scientifically evaluated across multiple criteria such as; amount of CO₂ removed, life cycle analysis of the removal process, energy efficiency, land footprint and sequestration capabilities. Any carbon negative solution is eligible: nature-based, direct air capture, oceans, mineralization, or anything else that sequesters CO₂ permanently.

For more information, eligibility requirements, and instructions on submitting an application, view the complete [funding opportunity announcement](#). Potential applicants may also view a recording of [a recent informational webinar](#) on IAC operations

2. [X-Prize - \\$100M Gigaton Scale Carbon Removal](#)

Deadline: April 22, 2021

This four-year global competition invites innovators and teams from anywhere on the planet to create and demonstrate solutions that can pull carbon dioxide directly from the atmosphere or oceans ultimately scaling massively to gigaton levels, locking away CO2 permanently in an environmentally benign way. Solutions will be scientifically evaluated across multiple criteria such as; amount of CO2 removed, life cycle analysis of the removal process, energy efficiency, land footprint and sequestration capabilities. Any carbon negative solution is eligible: nature-based, direct air capture, oceans, mineralization, or anything else that sequesters CO2 permanently.

Team registration opens with the announcement of the full competition guidelines on Earth Day, April 22nd, 2021. The competition will last for 4 years through Earth Day 2025. Student teams are eligible to enter.

Visit this link for more details: <https://www.xprize.org/prizes/elonmusk>

3. Solar Energy Technologies Office 2021 Funding Program - PV and Concentrating Solar Power

Deadline - Letter of Intent and Concept Paper: April 26, 2021, 5 PM ET

This \$39.5M funding opportunity announcement (FOA) is being issued by the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Solar Energy Technologies Office (SETO) to invest in innovative research and development (R&D) that will drive down costs and develop next-generation technologies ready for commercialization. It is intended to help further reduce costs for solar technologies, enable long-duration storage of solar energy, and develop technology for carbon-free industrial processes in the United States. This FOA complements the office's FY2021 Systems Integration and Hardware Incubator Funding Program, announced in December 2020, that will support projects that enable solar to connect reliably and securely to the nation's electric grid, while developing next-generation solar technologies and boosting U.S. solar manufacturing.

There are five different topic areas covered by this FOA. Download it [here](#) for the details.

4. University-Based Energy Industry R&D of Scalable Cyber-Physical Solutions

Deadline - Concept Paper: April 26, 2021, 5 PM ET

This \$8M FOA is issued by the Department of Energy's (DOE's) Office of Cybersecurity, Energy Security, and Emergency Response (CESER) Cybersecurity for Energy Delivery Systems (CEDs). This FOA seeks to improve the cyber and cyber-physical security posture of the electric sector through the integration of the DOE Cybersecurity Roadmap Vision statement of ensuring that resilient energy delivery systems are designed, installed, operated, and maintained to survive a cyber incident while sustaining critical functions.

Competition and eligibility for award selection under this FOA is restricted to universities, colleges, and non-profit research institutions that operate as divisions under colleges or universities as the prime recipient. Applicants must partner with an Energy Sector Partner(s) to combine the best attributes of both organizations to ensure the greatest technological impact and implementation of the resultant technology.

Find the full FOA [here](#).

5. DOE and EERE Announce \$20 Million for Enhancing Manufacturing of Flow Battery Systems

Deadline - Required Concept Paper: April 29, 2021, Full Proposal: June 30, 2021

This FOA will support activities to increase the manufacturing capacity and decrease the cost of flow battery systems energy storage systems. Such systems will provide clean and renewable energy to the electrical grid, thereby eliminating carbon and other greenhouse gas (GHG) emissions that are unavoidable with traditional fuel sources. Flow battery systems are a promising grid-level energy storage technology, that can compensate for the variability and lack of dispatchability of renewable energy sources (e.g., solar and wind energy) so that these zero carbon sources can deliver a greater share of the nation's electricity.

Download the [funding opportunity announcement](#).

6. Georgia Tech's 2021 Seed Grant Program

Deadline: April 30, 2021

(Informational Webinar: April 15, 2021)

The Georgia Tech 2021 Seed Grant Program is organized into three grant funding cycles, each of which consists of two distinct funding opportunities – one focused on team building and another focused on moving teams forward. There will be approximately \$750K of combined funding for each call, with due dates of April 30, 2021; October 15,

2021; and March 19, 2022.

Any member of the residential instruction (i.e. non-GTRI) faculty who is eligible to serve as a PI on a sponsored project proposal is eligible to submit. GTRI faculty may serve as co-PIs or personnel on proposals. A faculty member may only serve as PI on one proposal. There is no limitation on serving as key personnel or co-PI.

Forming Teams:

Many efforts at seeding teams assume a team already exists. Team formation takes time and effort beyond basic introductory activities, and often a PI with an idea needs time to find the right combination of people and bring them together. Funding under this initiative supports building these partnerships.

Proposals for team formation grants should be limited to a two-page PDF file that describes the opportunity, explains the need for funding, and specifies a list of 6-month goals. The budget should identify activities, personnel, travel, services and M&S to be supported. Budget: \$10K-\$50K

Moving Teams Forward:

This effort is focused on teams that are targeting a specific RFP or have already submitted at least once to a large center or research project. Examples of such efforts within STEM disciplines are efforts such as EFRCs, ERCs, STCs, and NSF/DoD institutes, but we recognize this may vary by discipline. We also encourage ideas that may lead to graduate student training grants such as an NRT or T32.

Proposals for moving teams forward should be limited to a three-page PDF file that describes the future opportunities and past efforts of the team, explain the need for funding, and specify a list of 12-month goals. The applicants should identify the opportunity they are planning to compete for (RFP, anticipated deadline if not released) and a list highlighting the needs to be addressed to move their team forward and the deliverables enabled by this funding. The applicant should indicate key personnel involved with the team and additional personnel sought. Budget: \$50K-\$100K

[Find the details here.](#)

7. [Propose a FY22 Hives IRAD Project](#)

Deadline: May 3, 2021

All GTRI research faculty (RE/RS/RA-1s/2s) with less than six years at GTRI and all Georgia Tech tenure-track assistant professors are invited to submit proposals for the FY22 Independent Research and Development (IRAD) Early Researchers Program (Hives). Proposals are due by the close of business on May 3, 2021. The program, funded through the GTRI IRAD portfolio, targets junior researchers whose ideas foster solutions to national security challenges for which no formal requirement exists.

For the Hives IRAD projects, GTRI seeks ideas that focus on emerging technologies or security topics that have a national and global impact. The projects allow you to address specific problems and tackle larger themes. The program is interested in creativity and relevance to future technology and geopolitical trends. It also fosters partnerships within GTRI and across Georgia Tech.

Learn how to propose an FY22 Hives IRAD project by watching the recording of our recent info session is at: <https://gtri.box.com/s/d4p3sq7euu9i3e7klcryl2kfqcvnchb> as a mp4 file. The presentation is also there along with the proposal template.

To submit a proposal, use the email addresses below to ask for the proposal template. Please include your name, lab/department, and job title when you submit your proposal. Next, email your completed proposal to both of the following by May 3rd:

Benjamin.Riley@gtri.gatech.edu

Andy.Register@gtri.gatech.edu

Awards will be announced around May 27, 2021. To discuss an idea before the submission deadline, please email Ben Riley or Andy Register to arrange for a telephone conversation.

8. [DOE to Provide \\$10M for Research on Data Reduction for Science](#)

Deadline: May 6, 2021, 5 PM ET

A The U.S. Department of Energy (DOE) announced \$10 million for foundational research to address the challenges

of managing and processing the increasingly massive data sets produced by today's scientific instruments, facilities, and supercomputers in order to facilitate more efficient analysis.

Improved management of data can be expected to facilitate discovery in a wide range of fields, from materials science and chemistry to climate modeling and the development of new clean energy sources and new approaches to increasing energy efficiency and reducing energy consumption.

Applications will be open to universities, national laboratories, industry, and nonprofits, with awards selected competitively based on peer review. Total planned funding will be \$10 million in Fiscal Year 2021 for projects of 3 years in duration.

Download the FOA [here](#).

9. [**DOE Announces \\$162 Million to Decarbonize Cars and Trucks**](#)

The U.S. Department of Energy (DOE) today unveiled two funding opportunities totaling more than \$162 million to improve efficiency and reduce carbon emissions among cars, trucks, and off-road vehicles. The funding will support the next stage of the SuperTruck initiatives—aimed at electrifying freight trucking—along with efforts to expand electric vehicle (EV) infrastructure and lower emissions for on- and off-road vehicles. This new funding triples down on that progress with a push towards electrifying trucks of all sizes, along with efforts to expand EV charging access and develop low-emission car engines.

SuperTruck 3

Deadline - Concept Paper: 5/13/2021

EERE's HFTO and Vehicle Technologies Office are partnering to offer up to \$100 million in funding over four years—subject to appropriations—to pioneer electrified medium- and heavy-duty trucks and freight system concepts that achieve even higher efficiency and lower emissions. The funding focuses on a range of approaches to electrification - all-electric, plug-in hybrid systems using renewable biofuels, and hydrogen and fuel cell technologies, including hybridization strategies such as fuel cell range extenders.

Download the [full FOA here](#).

Low Greenhouse Gas Vehicle Technologies Research, Development, Demonstration, and Deployment

Deadline - Concept Paper: 5/13/2021

VTO is also offering up to \$62.75 million as part of its FOA for innovative solutions to reducing emissions and increasing efficiencies for on- and off-road vehicles. To accelerate electric vehicle (EV) adoption, the FOA will support expansion of EV infrastructure and charging, along with community-level EV demonstrations that can lower barriers to EV adoption—such as piloting EV car sharing and installing EV charging within multi-unit housing. The FOA is also open to projects developing advanced engines and fuels that operate with lower emissions.

Download the [full FOA here](#).

10. [**ARPA-E Announces \\$35 Million for Technologies to Reduce Methane Emissions**](#)

Deadline - Concept Paper: 5/21/2021 9:30 AM ET

ARPA-E announced up to \$35 million for a new program focused on developing technologies to reduce methane emissions in the oil, gas, and coal industries, Reducing Emissions of Methane Every Day of the Year (REMEDY).

REMEDY projects will specifically address three target methane production sources in the oil, gas, and coal value chain: (1) exhaust from natural gas-fired lean-burn engines, used to drive compressors, generate electricity, and increasingly repower ships; (2) flares required for safe operation of oil and gas facilities; and (3) coal mine ventilation air methane (VAM) exhausted from operating underground mines.

REMEDY funding will be spread across two phases of the program over three years. Phase 1 focuses on confirming the operability of technical proposals, approaches, and system components. Following a down-select, Phase 2 teams will confirm performance in a limited field test or in larger, extended-lab-scale test environments.

Download the [funding opportunity announcement](#).

11. [**DOE to Invest \\$6M Putting Coal Waste to Work Creating Products for the Clean Energy Economy**](#)

Deadline - Concept Paper: 5/31/2021

The U.S. Department of Energy's (DOE) Office of Fossil Energy (FE) has announced \$6 million in Federal funding for cost-shared research and development projects under the funding opportunity announcement (FOA) DE-FOA-0002405, Advanced Coal Waste Processing: Production of Coal-Enhanced Filaments or Resins for Advanced Manufacturing and Research and Development of Coal-Derived Graphite.

In a shifting energy generation paradigm, innovation is needed to extract the full economic value from coal waste. The Advanced Coal Processing program at NETL seeks to address this challenge by supporting novel technologies to produce valuable products from coal waste-derived sources through laboratory- and pilot-scale R&D.

The use of coal waste in additive manufacturing and graphite production aligns with the goals of the Biden/Harris administration to expand and develop existing and new environmentally sound uses for coal waste, and to deploy these technologies in economically distressed power plant and coal communities. While both coal from existing mines and coal wastes are acceptable feedstocks for these innovations, the use of coal wastes (e.g. tailings, ash, etc.) is preferred. This strategy encourages job creation as the nation transitions to clean energy and will help ensure that the cost of the energy transition is not disproportionately borne by these coal communities.

Applications for two areas of interest (AOI) are being sought at this time:

AOI-1: Coal-Enhanced Filaments or Resins for Additive Manufacturing - Coal-enhanced filaments or resins with superior properties and/or economics designed for additive manufacturing via 3D printing, through either Fused Deposition Modeling (FDM) or Stereolithography (SLA).

AOI-2: Developing Pathways to Coal-Derived Graphite - Developing pathways for the economical production of coal-derived graphite for use in such applications as battery anodes, bipolar plates for proton exchange membrane fuel cells, supercapacitor electrodes, substrates for carbon-carbon composites and lubricants.

A maximum of six awards is anticipated.

To download the PDF of the FOA, [click here](#).

12. [DOE and EERE Announce \\$4.5 Million for Advanced Electricity-Conducting Materials](#)

Deadline: Stage 1 - June 8, 2021

The Conductivity-enhanced materials for Affordable, Breakthrough Leapfrog Electric applications (CABLE) Conductor [Manufacturing Prize](#) will support the commercialization of affordable, manufacturable materials that will conduct electricity more efficiently than today's best conductors. Conductivity-enhanced materials can help address the climate emergency by easing the addition of renewable resources and electric cars to the grid, maximizing next-generation energy storage technologies, and supporting efficiency in electricity-intensive sectors like transportation and manufacturing.

CABLE is a three-stage, three-year prize that will award up to \$4.5 million in cash and vouchers to competitors who will identify and verify new materials and methods to achieve significant enhancements in conductivity. Competitors must also offer a pathway to produce the new conductivity-enhanced material affordably.

Stage one, which focuses on materials and manufacturing concepts for enhanced electrical conductivity, is now open. Visit the [American-Made Challenges website](#) for more information.

Funding for these opportunities will be provided by DOE's Office of Energy Efficiency and Renewable Energy's [Advanced Manufacturing Office](#). DOE's [Office of Electricity](#) will support testing for flow battery projects.

See the [CABLE Conductor Manufacturing Prize website](#) for details

13. [DOE to Provide \\$2M for Traineeship in Isotope R&D and Production](#)

Deadline: June 14, 2021 by 5 PM ET

The U.S. Department of Energy (DOE) announced up to \$2 million to establish a traineeship program to advance workforce development in the field of isotope production, processing, and associated research, with preference to minority serving institutions. The DOE Isotope Program (IP), managed by the Office of Science, plays a critical role in advancing the fields of medicine, national security, domestic and global industry, and basic scientific research

through the development and provision of isotopes that are novel or in short supply.

This traineeship program supports training, research, and production experiences for undergraduate and graduate students in related fields with the goal to develop the next generation workforce in isotope production and processing. The traineeship places an emphasis on increasing diversity in the workforce by giving preference to proposals that partner with institutions that serve underrepresented groups.

National laboratories, universities, and nonprofits will be eligible to submit applications to act as Isotope Traineeship Coordination (ITC) sites for the two-year awards, which will be selected based on peer review. ITCs will be responsible for several key program aspects, including student recruitment, establishing peer support groups for students, and providing training for mentors. Traineeships will include mentoring, coursework, research, and isotope production experiences for students.

The DOE Isotope Program envisions that between one and four ITC sites will be funded; it is anticipated that up to \$1 million will be available in Fiscal Year (FY) 2021, with an additional \$1 million in funding anticipated in FY 2022, for a total of \$2 million over the two-year grant period. All funding is contingent upon congressional appropriations. ITCs must promote a safe, diverse, equitable and inclusive environment that reaches all classes protected by Federal non-discrimination statutes and policies. Letters of intent are not required for this solicitation.

Download the [Funding Opportunity Announcement](#) here.

14. [U.S. Department of Energy's INCITE Program Seeks Proposals for 2022](#)

Deadline: June 18, 2021

- Open to researchers from all institutions – including those from academia, industry, and government agencies.
- INCITE focuses on large-scale scientific computing projects that require the power and scale of DOE's leadership-class supercomputers.
- The program will award up to 60% of the allocable time on Summit, the OLCF's 200-petaflop IBM AC922 machine, and Theta, the ALCF's 12-petaflop Cray XC40 system.

[Details Here](#)

15. [NASA NSPIRE University Leadership Initiative](#)

Deadline: Mandatory Short Proposal - June 22, 2021, Final proposal by invitation.

The University Leadership Initiative (ULI) provides the opportunity for university teams to exercise technical and organizational leadership in proposing unique technical challenges in aeronautics, defining multi-disciplinary solutions, establishing peer review mechanisms, and applying innovative teaming strategies to strengthen the research impact.

Research proposals are sought in seven ULI topic areas:

Topic 1: Safe, Efficient Growth in Global Operations (Strategic Thrust 1)

Topic 2: Innovation in Commercial Supersonic Aircraft (Strategic Thrust 2)

Topic 3: Ultra-Efficient Subsonic Transports (Strategic Thrust 3)

Topic 4: Safe, Quiet, and Affordable Vertical Lift Air Vehicles (Strategic Thrust 4)

Topic 5: In-Time System-Wide Safety Assurance (Strategic Thrust 5)

Topic 6: Assured Autonomy for Aviation Transformation (Strategic Thrust 6)

Topic 7: Zero Emission Aviation

This solicitation will utilize a two-step proposal submission and evaluation process. The initial step is a short mandatory Step-A proposal due June 22, 2021. Those offerors submitting the most highly rated Step-A proposals will be invited to submit a Step-B proposal. All proposals must be submitted electronically through NSPIRES at <https://nspires.nasaprs.com/external/>.

An Applicant's Workshop will be held on Thursday April 15, 2021; 1:00-3:00 p.m. ET

<https://uli.arc.nasa.gov/applicants-workshops/workshop5>

[See the solicitation here.](#)

16. [DOE Announces \\$30 Million for Quantum Information Science to Tackle Emerging 21st Century Challenges](#)

Deadline: Open until Sept. 30, 2021

The U.S. Department of Energy (DOE) will provide \$30 million for Quantum Information Science (QIS) research that helps scientists understand how nature works on an extremely small scale—100,000 times smaller than the diameter of a human hair. QIS can help our nation solve some of the most pressing and complex challenges of the 21st century, from climate change to national security. Watch this [video to learn more about QIS](#).

QIS helps researchers discover new ways to measure, analyze, process, and communicate information. Potential applications for this work range from quantum computers to enable complex power forecasting to prevent outages during extreme weather events, to quantum devices to enable new smart windows, clothes, and buildings that can change their properties on demand. This funding opportunity is focused on developing advanced capabilities for synthesizing, constructing, and understanding quantum structures and phenomena, as well as making these capabilities available to the greater scientific community via access to DOE's five Nanoscale Science Research Centers (NSRCs).

All five NSRCs will be selected based on peer review, and eligible to lead applications for awards of up to three years. DOE's Office of Basic Energy Sciences, which is funding the effort, envisions awards both for single NSRCs and NSRCs working in partnerships or teams. The five NSRCs are:

- Center for Functional Nanomaterials at Brookhaven National Laboratory, Upton, New York
- Center for Integrated Nanotechnologies, jointly managed by Sandia National Laboratories and Los Alamos National Laboratory, with locations in Albuquerque and Los Alamos, New Mexico
- Center for Nanophase Materials Sciences at Oak Ridge National Laboratory, Oak Ridge, Tennessee
- Center for Nanoscale Materials at Argonne National Laboratory, Lemont, Illinois
- Molecular Foundry at Lawrence Berkeley National Laboratory, Berkeley, California

See the [funding opportunity announcement](#).

17. [DOE Funding Opportunity Announcement - "Open Call"](#)

Deadline: Open until replaced by next fiscal year's call, Sept. 30, 2021

The DOE Funding Opportunity Announcement (FOA), informally known as the "Open Solicitation" or "Open Call," is issued annually at the beginning of each Fiscal Year (FY). It provides a vehicle for the Office of Science to solicit applications for research support in areas not covered by more specific, topical FOAs that are issued by the office over the course of the Fiscal Year. DOE anticipates awarding approximately \$250 million for new, renewal, and supplemental grants, cooperative agreements, and inter-agency agreements under this FOA in Fiscal Year 2021, subject to the availability of FY 2021 appropriated funds.

Proposed research must fall within the programmatic priorities of DOE's Office of Science and its major program offices, including Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, Isotope R&D and Production, and Accelerator R&D and Production.

Funding will be competitively awarded on the basis of peer review. The FOA remains open throughout the Fiscal Year.

The FOA, titled "FY 2021 Continuation of Solicitation for the Office of Science Financial Assistance Program," can be found on the Office of Science funding opportunities page: <https://science.osti.gov/Funding-Opportunities>

18. [DOE to Provide \\$14.6 Million for New Atmospheric Studies](#)

Deadline: Pending Congressional Appropriations

The U.S. Department of Energy (DOE) announced a plan to provide \$14.6 million for new studies of atmospheric processes aimed at improving the accuracy of today's Earth system models. Studies are expected to rely on data gathered by the Atmospheric Radiation Measurement (ARM) user facility, a DOE Office of Science user facility and the world's leading facility for ground- and air-based observation of atmospheric processes. Research will focus on interactions between clouds and aerosols (tiny particles that contribute to cloud formation), atmospheric processes in the Arctic, and studies of the warm boundary layer, or the layer of atmosphere closest to ground-level, among other topics. The Department anticipates that \$14.6 million will be available for this program in Fiscal Year 2021, pending congressional appropriations. Funding is to be awarded competitively, on the basis of peer review, and is

expected to be in the form of three-year grants with total award amounts ranging from \$200,000 to \$850,000, beginning in the current fiscal year.

More information: <https://www.energy.gov/science/articles/doe-provide-146-million-new-atmospheric-studies>

19. COVID-19 Research at the Spallation Neutron Source and High Flux Isotope Reactor

Deadline: Ongoing – Resource available for research until further notice.

With the continuing spread of the COVID-19 pandemic, the Department of Energy Basic Energy Sciences neutron sources will provide remote rapid access to support research into the COVID-19 virus and the search for effective diagnostics and therapies. Researchers who would like to use neutron scattering resources for COVID-19 research may submit a rapid access proposal [here](#).

20. COVID-19 Research Questions

Deadline: Ongoing – Open until further notice.

The Department of Energy (DOE) is taking steps to address COVID-19 and is soliciting ideas about how the Department and the National Laboratories might contribute resources for science and technology efforts and collaborations. The Department is encouraging the scientific community and others to consider research questions that underpin COVID-19 response and is requesting input on strategic, priority research directions that may be undertaken using DOE user facilities, computational resources, and enabling infrastructure. More information is available [here](#).

21. Solar Energy Innovators Program Opportunity

Deadline: Rolling - Pending applications reviewed 1st of each month.

The purpose of the Solar Energy Innovators Program is to enable selected applicants to conduct practical research on innovative solutions to the challenges faced by electric utilities, energy service providers, and electric public utility commissions as the levels of solar energy, as well as other distributed energy resources (DERs), increase on the electrical grid.

Selected applicants will participate for up to two years at a Host Institution on one or more topics related to the integration of solar energy. The applicant must identify a Host Institution and potential mentor at a utility, energy service provider, or public utilities commission (PUC) currently conducting research in an area related to the integration of solar energy onto the electricity grid. Host Institutions may seek potential Innovators that are eligible to apply to the program, but it is the potential Innovator, not the Host Institution or mentor, who submits the application and supporting materials to this site.

For more information, and to apply, [click here](#).

22. Events Sponsorship Program: Grants up to \$4,000 Available to ORAU Consortium Member Universities

Deadline: Ongoing

Applications for events occurring between October 1 and March 31 must be received by September 1.

Applications for events occurring between April 1 and September 30 must be received by March 1.

Event or conference sponsorship is often beneficial to our Council of Sponsoring Institution Members, whether as a means of fostering collaboration among Council members, gaining new and important information for a proposal or business plan, and more. To help make these event opportunities possible, ORAU's University Partnerships Office offers an Events Sponsorship Program to member institutions. Each member university is limited to one award per fiscal year (October through September). Up to \$4,000 may be requested to support an event that involves participants from more than one ORAU member institution, including students. Examples of such events include visits to an ORAU consortium member by a renowned speaker, conferences or workshops with a focused theme, or a technology transfer/business plan competition. For more information, please go [here](#).

23. Funding Opportunity: USMA Releases BAA on Research Topics Related to Army Technologies

Deadline: Continuously open through March 31, 2022

The U.S. Military Academy (USMA) released a broad agency announcement (BAA) seeking research proposals that can enable new and significant improvements to Army capabilities and technologies. White papers are expected to focus on basic knowledge and understanding of research topics rather than specific devices or components. The BAA includes topics of interest to the USMA departments, directorate, and research centers and institutes. White papers are encouraged to address the following research topics identified by USMA as they relate to Army technologies and operational capabilities: Socio-Cultural; Information Technology; Ballistics, Weapons, and Protections; Energy and Sustainability; Materials, Measurements, and Facilities; Unmanned Systems and Space; Human Support Systems; and Artificial Intelligence, Machine Learning, and Quantum Technologies. For more information, please [go here](#).

24. **Energy Department Announces Notice of Intent to Issue Funding to Enhance Manufacturing Competitiveness through Innovation**

Deadline: TBD

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) announced its intent to issue, on behalf of the Advanced Manufacturing Office (AMO), a funding opportunity to stimulate technology innovation, improve the energy productivity of American manufacturing, and enable the manufacturing of cutting-edge products in the United States. The potential Funding Opportunity Announcement (FOA), entitled "FY20 Advanced Manufacturing Multi-topic FOA," is intended to fund high-impact, applied research and development projects that integrate specified research opportunities across AMO. For more information, please go [here](#).

25. **Dear Colleague Letter: Career-Life Balance (CLB) Supplemental Funding Requests**

Requests considered anytime.

The NSF recognizes that primary dependent care responsibilities and other family considerations pose unique challenges to the STEM workforce. The purpose of this DCL is to announce NSF's continued interest in CLB supplemental funding requests. The supplemental request may include funding for up to six months of salary support or stipend for a maximum of \$30,000 in direct costs of salary compensation or stipend, but the duration of the salary or stipend support may not exceed the duration of the family leave. Fringe benefits and associated indirect costs, but not tuition, may be included in addition to the salary costs, and therefore, the total supplemental funding request may exceed \$30,000.

Find the DCL here: <https://www.nsf.gov/pubs/2021/nsf21021/nsf21021>.

26. **ADL Ventures and National Renewable Energy Lab Competition**

Deadline: Ongoing

ADL Ventures is working with the National Renewable Energy Lab (NREL) as a Power Connector for the American-Made Solar Prize, a \$3 million prize competition for researchers, innovators and entrepreneurs working on solar technologies. Winners of the competition can receive up to \$500K in non-dilutive funding in addition to in-kind support from the National Labs. To date, 60 winners from 23 different states have been selected over 3 rounds for a total of \$9M in funding. In addition to the publicity and resources associated with selection by DOE / NREL, the winners benefit from a much more streamlined funding process versus traditional collaborative awards and grants, allowing them to hit the ground running quickly, with minimal restrictions. More information about the prize can be found on our ProblemSpace platform or from the NREL Solar Prize information webinar on August 19th. For more information, please go [here](#).