Potential Funders for Electrical Engineering & Computer Science

Steps in Pursuing a Potential Funding Opportunity:

1. Find Funding Opportunities
   1) **Look through the table of Potential Funders below.** Click the links to the website of the funder in order to get current information and to better see if that funding source matches your research needs. Be sure to check the other 29 Curated Funding Lists.
   2) **Other Grant Searching Tools:** Baylor subscribes to two grant search engines (Pivot and GrantForward) that will send you regular alerts of funding if you supply your research interests. Log in with your Baylor credentials. See instructions for using these effectively: Search Funding Databases. Government Funding opportunities can also be searched on Grants.gov and Federal Grants Wire.
   3) **Pick Funders that match your research most closely.** Go on their website and sign up for their email alerts of funding opportunities (if available).

2. Starting Application Process
   1) **Contact URA:** When you are ready to start applying for a grant, start by contacting your department’s URA (University Research Administrator). They will help you with working with Pre-Award to set up a Box folder, registrations, understanding Baylor’s procedures, and gathering supplementary documents.
   2) **Check Limited Submissions:** Some funding opportunities limit the number of proposals from an institution. For these opportunities, the OVPR holds an internal competition **eight weeks before the external submission date.** For details and deadlines see: Limited Submissions

3. Use Baylor Tools for Writing Competitive Grants:
   1) Research Development’s: Grant Writing Workshop & Writing and Editorial Assistance
   2) PowerPoint Courses for Baylor Faculty on Applying for Grants
   3) **Grant Toolkits for Faculty** (Includes Excel Grant Planner, Templates for Letters and Facilities pages, links to applications and forms, and Guides for how to write each grant competitively)

Toolkits Currently Available:

<table>
<thead>
<tr>
<th>NIH</th>
<th>1) R15 Grant Toolkit</th>
<th>2) R21 Grant Toolkit</th>
<th>3) K01 Career</th>
<th>4) R01 and R01 Multi-PI</th>
<th>5) MIRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF</td>
<td>1) CAREER</td>
<td>2) Discovery DRK-12</td>
<td>3) MRI</td>
<td>4) PFI</td>
<td>5) REU</td>
</tr>
</tbody>
</table>
Index:

Note on Using Funding Tables:
1) Content for each table was taken from the Funder’s website and is intended to give you a brief overview of that funder. Be sure to go to the Funder’s website for up-to-date information and specific current funding opportunities (RFP’s).
2) The index is hyperlinked to lead you to a table with more information. Ctrl+Click blue links on index items to go to the table.
3) Within the table, Ctrl+Click blue links to follow links to funder’s website

Government Funders

1. **AFOSR**: Air Force Office of Scientific Research: engineering, mathematical and information networks, physical sciences, chemistry and biological sciences related to energy
2. **ARL**: Army Research Laboratory
3. **CDC**: Centers for Disease Control and Prevention
4. **DARPA**: Defense Advanced Research Projects Agency
5. **DOC**: Department of Commerce
6. **DOD**: Department of Defense
7. **DOE**: Department of Energy: advanced scientific computing, basic energy, biological and environmental research, high energy physics and nuclear physics
8. **EPA**: Environmental Protection Agency
9. **FDA**: Food and Drug Administration
10. **HHS**: Health and Human Services
11. **IES**: Institute of Education Sciences (Data research)
12. **NASA**: National Aeronautics and Space Administration
13. **NIH**: National Institutes of Health  Grant Toolkits Available [HERE](#)
14. **NSF**: National Science Foundation  Grant Toolkits Available [HERE](#)
15. **SAMHSA**: Substance Abuse and Mental Health Services Administration
16. **United States Office of Naval Research**

Non-Government Funders

17. **The Academy of Medicine, Engineering & Science of Texas**: (Limited Submission) Biology, engineering, math, physics prize
18. **Amazon**: Funds doctoral and post-doc students in computer science
19. **American College of Sports Medicine Foundation Research**: Research in exercise and sports medicine
20. **American Heart Association**: Data mining grants and grants for cardiovascular research
21. **Association for Computing Machinery Award**: Computer Programming and development
22. **Association for Iron and Steel Technology**: Engineering grants for iron and steel industry
23. **Best Buy Foundation Community Grants** programs for teens and technology
24. **Bloomberg Data Science Grants (New 11/19)**: unrestricted gifts to support research in data science.
25. **Discovery Institute**: Role of science in culture
26. **Entertainment Software Association Foundation (New 11/19)** educational programs or services that utilize technology and/or computer and video games.
27. **Google**: Cutting-edge research in computer science and engineering
28. **Honda**: (Limited Submission) STEM education grants
29. **IBM**: Basic research in innovation in AI, Big Data, Cloud Computing, Internet of things, Quantum Computing, Security, Mobile, and Core Technologies

30. **Intel**: Faculty sponsorship for computer science

31. **Johnson & Johnson** *(Limited Submission)* Early Career Female Scientists in Science, Technology, Engineering, Math, Manufacturing, and Design

32. **(W.M.) Keck Foundation**: Science and engineering to make innovative technology and solve complex problems

33. **Kern Family Foundation**: Education, STEM, Entrepreneurship

34. **Microsoft**: Grants and cloud computing resources

35. **Mozilla**: Research in the open web, mixed reality, speech assistants, Firefox, IoT, Internet Health, Accessibility, Inclusion

36. **Paralyzed Veterans of America**: Design and development of assistive technologies

37. **(Christopher & Dana) Reeve Foundation**: Support for disabled and new technologies

38. **Samsung-Global Collaboration: GRO Program**: Research in 24 areas including VR, IoT, machine learning, natural language processing, AT, robotics, sensors, 2D materials, nano, inorganic photonic, data analytics,

39. **Semiconductor Research Corporation**: Core and custom research

40. **Simons Foundation**: Mathematics, physics, theoretical computer science, biology, ecology, autism research

41. **(Alfred P.) Sloan**: Supports science research for better workforce

42. **Sloan Data and Computational Research Grant**: software, training, research and community grants

43. **Sony**: Pioneering research that drives new technology in computer science and engineering

44. **Unreal Dev**: Developers and programmers using Unreal Engine 4

45. **VentureWell**: STEM Education grants

46. **Vodafone Americas Foundation**: wireless innovation prize: Innovation in wireless technology

47. **XPrize competitions**: Team challenges for solving world problems like water, literacy, carbon emissions, ocean discovery, AI innovation

* New as of 2019

---

**Government Funders**

<table>
<thead>
<tr>
<th>1. <strong>AFOSR Air Force Office of Scientific Research</strong></th>
</tr>
</thead>
</table>
| **Website Link**: [http://afrl.dodlive.mil/about/](http://afrl.dodlive.mil/about/)  
[http://afrl.dodlive.mil/funding/](http://afrl.dodlive.mil/funding/) | **Deadline(s)**: Posted until superseded |
| **Support Strategies**: Research | **Funding**: Between $200,000 and $400,000 per year |
| **Description**: The Air Force Office of Scientific research managers seek to foster revolutionary scientific breakthroughs enabling the Air Force and U.S. industry to produce world-class, militarily significant, and commercially valuable products. **Engineering and Complex Systems**  
Leads the discovery and development of the fundamental and integrated science that advances future air and space flight. |
Information and Networks
Leads the discovery and development of foundational issues in mathematical, information and network-oriented sciences

Physical Sciences
Leads the discovery and transition of foundational physical science to enable air, space, and cyber power.

Chemistry and Biological Sciences
Leads the discovery and development of innovative fundamental science addressing a broad spectrum of energy-related issues.

Broad Agency Announcements
Broad Agency Announcements are used to communicate the needs and interests of AFOSR. AFOSR keeps specific requirements of each BAA up-to-date on Grants.gov, the United States government’s one source to find and apply for federal grants. See the latest BAAs. You can search the site by typing organization name into the keyword field or using CFDA numbers 12.800, 12.630, and 12.910.

University Research Initiative University Research Initiative (URI) Programs
These programs enhance universities’ capabilities to perform basic science and engineering research and related education in science and engineering areas critical to national defense.

- Defense University Research Instrumentation Program (DURIP)
- Multidisciplinary Research Program of the University Research Initiative (MURI)
- Presidential Early Career Award in Science & Engineering (PECASE)

Our focus is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in two scientific Branches:

- Engineering and Information Sciences (RTA)
- Physical and Biological Sciences (RTB)

Special Programs
AFOSR provides the support for research and education through the following unique programs:

- Small Business Technology Transfer Program (STTR)
- Young Investigator Research Program (YIP)

Educational Programs
AFOSR also sponsors research assistantship programs, faculty programs, and graduate school programs. These programs support graduate education, encourage the development of research excellence in critical technological areas where research facilities and qualified researchers are lacking, train personnel to conduct high-quality research, and stimulate mutual research interests between the Air Force and institutions of higher education.

- Awards to Stimulate and Support Undergraduate Research Experiences (ASSURE)
- Engineer and Scientist Exchange Program (ESEP)
- National Defense Science and Engineering Graduate (NDSEG) Fellowship Program
- USAF National Research Council Resident Research Associateship (NRC/RRA) Program
- USAF-Summer Faculty Fellowship Program (SFFP)
- Visiting Scientist Program
- Window on Science (WOS) Program
- Windows on the World (WOW) Program
- Engineer and Scientist Exchange Program Provides an opportunity for US Department of Defense (DoD) (military and civilian) scientists to conduct research in foreign government laboratories and for foreign government (military and civilian) scientists to work in US DoD laboratories. International Agreements are in place for Australia, Canada, Egypt, France, Germany, Greece, Israel, Japan, Korea, Netherlands, Norway, Portugal, Singapore, Spain, Sweden, and the United Kingdom. See ESEP Program or contact Mr. Phil Gibber at 703-696-7323 or at esep.afosr@us.af.mil.

2. ARL Army Research Laboratory
Website Link: http://www.arl.army.mil/www/default.cfm?page=8
Deadline(s): Varies

Page 4
Last edited Nov. 2019

Provided by the Research Development
Stacey_L_Smith@baylor.edu X3252 or
Virginia_Kearney@baylor.edu X6833
ARL Open Campus Partnering: https://www.arl.army.mil/opencampus/?q=partnering
Collaboration opportunities: https://www.arl.army.mil/opencampus/?q=CollaborationOpportunities

<table>
<thead>
<tr>
<th>Support Strategies: Research</th>
<th>Funding: Varies</th>
</tr>
</thead>
</table>
| **Description:** The U.S. Army Research Laboratory (ARL) of the U.S. Army Research Development and Engineering Command (RDECOM) is the Army's corporate, or central, laboratory. Its diverse assortment of unique facilities and dedicated workforce of government and private sector partners make up the largest source of world-class integrated research and analysis in the Army.

By combining its in-house technical expertise with those from academic and industry partners, ARL is able to maximize each dollar invested to provide the best technologies for our Soldiers. ARL’s program consists of basic and applied research and survivability/lethality and human factors analysis. ARL also applies the extensive research and analysis tools developed in its direct mission program to support ongoing development and acquisition programs in the Army Research, Development, and Engineering Centers (RDECs), Program Executive Offices (PEOs)/Program Manager (PM) Offices, and Industry. ARL has consistently provided the enabling technologies in many of the Army's most important weapons systems.

Technology and analysis products are moved into RDECOM RDECs and to other Army, Department of Defense (DoD), government, and industry customers. The Army relies on ARL to provide the critical links between the scientific and military communities. The Laboratory must marshal internal and external science and technology assets to fulfill the requirements defined by or requested by the Soldier. Equally important, the Laboratory must assist the Army user in understanding the implications of technology on doctrine and in defining future needs of opportunities.

The Broad Agency Announcement (BAA) is a competitive solicitation procedure used to obtain proposals for basic and applied research and that part of development not related to the development of a specific system or hardware procurement. The type of research solicited under a BAA attempts to increase knowledge in science and/or to advance the state of the art as compared to the practical application of knowledge.

**Open Campus Collaboration (not a funding opportunity, but research opportunity)**

ARL's Open Campus is a collaborative endeavor, with the goal of building a science and technology ecosystem that will encourage groundbreaking advances in basic and applied research areas of relevance to the Army. Through the Open Campus framework, ARL scientists and engineers (S&Es) will work collaboratively and side-by-side with visiting scientists in ARL's facilities, and as visiting researchers at collaborators’ institutions. Central to the research collaborations is mutual scientific interest and investment by all partners - ARL's Open Campus is not a funding opportunity. The global academic community, industry, small businesses, and other government laboratories benefit from this engagement through collaboration with ARL's specialized research staff and unique technical facilities. These collaborations will build research networks, explore complex and singular problems, enable self-forming expertise-driven team building that will be well-positioned for competitive research opportunities, and expose scientists, engineers, including professors and students to realistic research applications and perspectives, helping to ensure our nation's future strength and competitiveness in these critical fields.

---

3. **CDC: Centers for Disease Control and Prevention**

<table>
<thead>
<tr>
<th>Website Link: <a href="https://www.cdc.gov/grants/applying/find-nofo.html">https://www.cdc.gov/grants/applying/find-nofo.html</a></th>
<th>Deadline(s): Varies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Support Strategies:</strong> Research</td>
<td>Funding: Varies</td>
</tr>
</tbody>
</table>
| **Description:** CDC conducts and supports research that guides our public health programs. **On the cutting edge of health security** – confronting global disease threats through advanced computing and lab analysis of huge amounts of data to quickly find solutions.

**Putting science into action** – tracking disease and finding out what is making people sick and the most effective ways to prevent it.

**Helping medical care** – bringing new knowledge to individual health care and community health to save more lives and reduce waste.
Fighting diseases before they reach our borders – detecting and confronting new germs and diseases around the globe to increase our national security.

Nurturing public health – building on our significant contribution to have strong, well-resourced public health leaders and capabilities at the national, state and local levels to protect Americans from health threats.

All CDC grant and cooperative agreements opportunities are posted on www.grants.gov

Applying for a Notice of Funding Opportunity (NOFO)
- Eligibility
- Pre-Award Activities for Applicants
- Key Steps of the Application Process
- Tips for Preparing Grant Applications
- Understanding the Notice of Funding Opportunity (NOFO)

Find Funding Opportunities
- Understand the Review Process
- Frequently Asked Questions
- Application Resources

4. DARPA: Defense Advanced Research Projects Agency

Website Link: https://www.darpa.mil/work-with-us/opportunities

Search also for DARPA opportunities on: https://www.fbo.gov/index?s=agency&mode=form&tab=notices&id=048f413b4c64abc6c0afbc36b09f099d

Deadline(s): Varies

Support Strategies: Research

Funding: Varies

Description: For more than fifty years, DARPA has held to a singular and enduring mission: to make pivotal investments in breakthrough technologies for national security. The genesis of that mission and of DARPA itself dates to the launch of Sputnik in 1957, and a commitment by the United States that, from that time forward, it would be the initiator and not the victim of strategic technological surprises. Working with innovators inside and outside of government, DARPA has repeatedly delivered on that mission, transforming revolutionary concepts and even seeming impossibilities into practical capabilities. The ultimate results have included not only game-changing military capabilities such as precision weapons and stealth technology, but also such icons of modern civilian society such as the Internet, automated voice recognition and language translation, and Global Positioning System receivers small enough to embed in myriad consumer devices.

DARPA explicitly reaches for a transformational change instead of incremental advances. But it does not perform its engineering alchemy in isolation. It works within an innovation ecosystem that includes academic, corporate and governmental partners, with a constant focus on the Nation’s military Services, which work with DARPA to create new strategic opportunities and novel tactical options. For decades, this vibrant, interlocking ecosystem of diverse collaborators has proven to be a nurturing environment for the intense creativity that DARPA is designed to cultivate. DARPA today is focusing its strategic investments in four main areas:

- **Rethink Complex Military Systems:** To help enable faster development and integration of breakthrough military capabilities in today’s rapidly shifting landscape, DARPA is working to make weapons systems more modular and easily upgraded and improved; assure superiority in the air, maritime, ground, space and cyber domains; improve position, navigation and timing (PNT) without depending on the satellite-based Global Positioning System; and augment defenses against terrorism.

- **Master the Information Explosion:** DARPA is developing novel approaches to deriving insights from massive datasets, with powerful big-data tools. The Agency is also developing technologies to ensure that the data and systems with which critical decisions are made are trustworthy, such as automated cyber defense capabilities and methods to create fundamentally more secure systems. And DARPA is addressing the growing need to ensure privacy at various levels of need without losing the national security value that comes from appropriate access to networked data.

- **Harness Biology as Technology:** To leverage recent breakthroughs in neuroscience, immunology, genetics, and related fields, DARPA in 2014 created its Biological Technologies Office, which has
enabled a new level of momentum for the Agency’s portfolio of innovative, bio-based programs. DARPA’s work in this area includes programs to accelerate progress in synthetic biology, outpace the spread of infectious diseases and master new neurotechnologies.

- **Expand the Technological Frontier:** DARPA’s core work has always involved overcoming seemingly insurmountable physics and engineering barriers and, once showing those daunting problems to be tractable after all, applying new capabilities made possible by these breakthroughs directly to national security needs. Maintaining momentum in this essential specialty, DARPA is working to achieve new capabilities by applying deep mathematics; inventing new chemistries, processes and materials; and harnessing quantum physics.

### 5. Department of Commerce


**Support Strategies:** Research

**Funding:** Varies

**Deadline(s):** Varies

**Description:**

**Grant Opportunities at Our Bureaus**

- **Economic Development Administration (EDA)**
  
  The Economic Development Administration’s (EDA’s) mission is to lead the Federal economic development agenda by promoting innovation and competitiveness, preparing American regions for economic growth and success in the worldwide economy.

- **International Trade Administration (ITA)**
  
  Market Development Cooperator Program

- **National Institute of Standards & Technology (NIST)**
  
  Measurement science and engineering. Working with industry and science to advance innovation and improve quality of life. Opportunities for research on measurement and constrain through solving manufacturing problems, working with new technologies like virtual reality to solve problems, and also undergraduate program research with NIST scientists.

- **National Telecommunications & Information Administration (NTIA)**
  
  Telecommunications Grants

- **National Oceanic & Atmospheric Administration (NOAA)**
  
  Coastal Ocean Program Grant Information
  
  Fisheries Saltonstall-Kennedy Grant Program
  
  National Undersea Research Program Funding Opportunities
  
  Grants Management Division
  
  Fisheries Grants Program
  
  National Sea Grant
  
  Office of Global Programs

### 6. Department of Defense (DoD)

**Website Link:** [http://cdmrp.army.mil/funding/](http://cdmrp.army.mil/funding/)

**Find DOD grants through:**

- **DoD Research and Engineering:** [https://www.acq.osd.mil/chieftecnologist/funding.html](https://www.acq.osd.mil/chieftecnologist/funding.html)
  
- Grants.gov [https://www.grants.gov/](https://www.grants.gov/)
  
- Pivot: [https://pivot.proquest.com/funding_main](https://pivot.proquest.com/funding_main)
  
- GrantForward: [https://www.grantforward.com/index](https://www.grantforward.com/index)
  
- Federal GrantsWire: [https://www.federalgrantswire.com/federal-grants-by-agency.html#] (WijnFoVWnGUk)

**Deadline(s):** Various
**Support Strategies**: Generally larger research grants related to military applications, veterans, or help for families of military

**Funding**: Varies

**Description**: DoD offers funding for research in the areas of medical biotechnology, engineering, and military technology.

**Funding Opportunities Medical**
- Alcohol and Substance Abuse
- Amyotrophic Lateral Sclerosis
- Autism
- Bone Marrow Failure
- Breast Cancer
- Defense Medical Research and Development Program
  - Medical Simulation and Information Sciences Research Program (JPC-1)
- Duchenne Muscular Dystrophy
- Epilepsy
- Gulf War Illness
- Hearing Restoration
- Kidney Cancer
- Lung Cancer
- Lupus
- Multiple Sclerosis
- Neurofibromatosis
- Orthotics and Prosthetics Outcomes
- Ovarian Cancer
- Parkinson's
- Peer Reviewed Alzheimer's
- Peer Reviewed Cancer
- Peer Reviewed Medical
- Peer Reviewed Orthopaedic
- Prostate Cancer
- Psychological Health/Traumatic Brain Injury
- Reconstructive Transplant Research
- Spinal Cord Injury
- Tick-Borne Disease
- Vision
- Synopsis of Current Program Funding Opportunities
- How to Apply
- Avoiding Research Duplication
- Program Funding Opportunities Archives

**Research and Engineering**: [https://www.acq.osd.mil/chieftechnologist/funding.html](https://www.acq.osd.mil/chieftechnologist/funding.html)

DoD Research and Technology Funding Opportunities

The Office of the Secretary of Defense and the Services have a number of easy-to-use funding sites.

**Federal Business Opportunities**
- Office of the Secretary of Defense (OSD):
  - Defense Innovation Marketplace
  - Small Business Innovation Research (SBIR) program
  - Rapid Innovation Fund

**Other DoD Agencies**
- Coalition Warfare Program (CWP)
- Defense Advanced Research Projects Agency
- Defense Threat Reduction Agency
- Information Analysis Centers
- Missile Defense Agency
- Joint Non-Lethal Weapons Program
7. DOE: Department of Energy

Website Link: [https://science.energy.gov/funding-opportunities/find-funding/](https://science.energy.gov/funding-opportunities/find-funding/)  
Interactive grants map: [https://science.energy.gov/universities/interactive-grants-map/](https://science.energy.gov/universities/interactive-grants-map/)

<table>
<thead>
<tr>
<th>Support Strategies: Research</th>
<th>Funding: Varies</th>
</tr>
</thead>
</table>

**Deadline(s):** Varies

**Description:** The U.S. Department of Energy Office of Science is the lead federal agency supporting fundamental scientific research for energy and the Nation’s largest supporter of basic research in the physical sciences.

The Office of Science portfolio has two principal thrusts: direct support of scientific research and direct support of the development, construction, and operation of unique, open-access scientific user facilities.

These activities have a wide-reaching impact. The Office of Science supports research in all 50 States and the District of Columbia, at DOE laboratories and more than 300 universities and institutions of higher learning nationwide. The Office of Science User Facilities provide the Nation’s researchers with state-of-the-art capabilities that are unmatched anywhere in the world. Additional information on funding opportunities, including program contacts and general program announcements, can be found on the SC program offices’ funding opportunities pages:

- Advanced Scientific Research Computing (ASCR) funding opportunities information
- Basic Energy Sciences (BES) funding opportunities information
- Biological & Environmental Research (BER) funding opportunities information
- Fusion Energy Sciences (FES) funding opportunities information
- High Energy Physics (HEP) funding opportunities information
- Nuclear Physics (NP) funding opportunities information
- Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) funding opportunities information

DOE national laboratory preproposals and full proposals must be submitted into the DOE Office of Science Portfolio Analysis and Management System (PAMS) website.

8. EPA: Environmental Protection Agency

Website Link: [https://www.epa.gov/research-grants/research-funding-opportunities](https://www.epa.gov/research-grants/research-funding-opportunities)

<table>
<thead>
<tr>
<th>Support Strategies: Conservation research and projects</th>
<th>Funding: 4 Billion awarded each year</th>
</tr>
</thead>
</table>

**Deadline(s):** Varies

**Description:** All grant, fellowship and/or Small Business Innovation Research (SBIR) funding opportunities competed through the Research Grants website are done through solicitations or Requests for Applications (RFAs). Any application submitted must be in response to an open solicitation or RFA.

[Search for open or upcoming funding opportunities.](https://www.epa.gov/research-grants/research-funding-opportunities)

Follow the application instructions in the solicitation or RFA. Application instructions, where appropriate, will link back to various forms on this page to download.

[Learn more through research grants guidance.](https://www.epa.gov/research-grants/research-funding-opportunities)
9. FDA: Food and Drug Administration

Website Link: [https://www.fda.gov/ScienceResearch/AboutScienceResearchatFDA/default.htm](https://www.fda.gov/ScienceResearch/AboutScienceResearchatFDA/default.htm)

**Deadline(s):** Varies

**Support Strategies:** Research

**Funding:** Varies

**Description:**

- **Animal and Veterinary**
  - Research Areas, Publications

- **Biologics**
  - Research by FDA Staff to Evaluate and Enhance the Safety of Biologic Products

- **Drugs**
  - Research by FDA Staff to Evaluate and Enhance the Efficacy, Safety, and Quality of Drug Products

- **Food**
  - Biotechnology, laboratory methods and publications, research strategic plan, and research areas such as risk assessment and consumer behavior.

- **Medical Devices**
  - Biology, Physics, Chemistry

- **Minority Health**
  - Office of Minority Health Research and Collaboration Program

- **Tobacco Products**
  - Research Priorities, Funded Research, Meetings, and Conferences

- **Toxicological Research**
  - Bioinformatics, Biostatistics, Computational Toxicology, Food Protection, Imaging, Nanotechnology

- **Women's Health**
  - Funding available to researchers, Pregnancy initiatives, Outcomes of Science Program efforts

10. HHS: United States Department of Health and Human Services

Website Link: [www.hhs.gov](http://www.hhs.gov)

- **ACF:** [https://ami.grantsolutions.gov/](https://ami.grantsolutions.gov/)
- **ACL:** [https://www.acf.gov/grants](https://www.acf.gov/grants)
- **AHRQ:** [https://www.ahrq.gov/funding/index.html](https://www.ahrq.gov/funding/index.html)
- **NIDILRR:** National Institute of Disability, Independent Living and Rehabilitation Research: [https://www.nidilrr.gov/node/606](https://www.nidilrr.gov/node/606)

**Deadline(s):**

- Varies dependent upon project

**Support Strategies:** Research and Community Support

**Funding:** Varies

**Description:** It is the mission of the U.S. Department of Health & Human Services (HHS) to enhance and protect the health and well-being of all Americans. We fulfill that mission by providing for effective health and human services and fostering advances in medicine, public health, and social services.

**HHS: ACF (Administration for Children and Families) programs aim to:**

Provided by the Research Development
Stacey L Smith@baylor.edu X3252 or
Virginia Kearney@baylor.edu X6833
• Empower families and individuals to increase their economic independence and productivity
• Encourage strong, healthy, supportive communities that have a positive impact on quality of life and the development of children
• Create partnerships with front-line service providers, states, localities, and tribal communities to identify and implement solutions that transcend traditional program boundaries
• Improve access to services through planning, reform, and integration

Address the needs, strengths, and abilities of vulnerable populations including people with developmental disabilities, refugees, and migrants

**HHS: ACL (Agency for Community Living)** advocates across the federal government for older adults, people with disabilities, and families and caregivers; funds services and supports provided primarily by states and networks of community-based programs; and invests in training, education, research, and innovation. We manage a variety of programs ([authorized by several statutes](#)), providing assistance on health and wellness, protecting rights and preventing abuse, supporting consumer control, strengthening the networks of community-based organizations, funding research, and much more.

**Data Collection Projects** - Several programs collect and analyze data to help everyone working on aging and disability issues understand the populations we serve and measure the impact and effectiveness of programs

**HHS: AHRQ: Agency for Healthcare Research and Quality**: The AHRQ mission is to produce evidence to make health care safer, higher quality, more accessible, equitable and affordable, and to work with HHS and other partners to make sure that the evidence is understood and used.

**Within the mission, AHRQ’s specific priority areas of focus are:**

- Improve health care quality by accelerating the implementation of Patient-Centered Outcomes Research (PCOR).
- Make health care safer.
- Increase accessibility by evaluating expansions of insurance coverage.

Improve health care affordability, efficiency and cost transparency.

---

### 11. Institute of Education Sciences (IES)

**Website Link:** [https://ies.ed.gov/funding/](https://ies.ed.gov/funding/)

**Funding Opportunities:**
- [https://ies.ed.gov/funding/futureComp.asp](https://ies.ed.gov/funding/futureComp.asp)

**Support Strategies:** Research, Evaluation, Statistics

**Funding:** $25,000 to $200,000 (total cost) over 1 to 3 years. The size of the award depends on the scope and significance of the project

**Description:** The Institute’s mission is to expand fundamental knowledge and understanding of education and to provide education leaders and practitioners, parents, researchers, and the public with unbiased, reliable, and useful information about the condition and progress of education in the United States; about education policies, programs, and practices that support learning, improve academic achievement, and increase access to education opportunities for all students; and about the effectiveness of Federal and other education programs.

**Steps to Applying for IES Grants**

1. **Identify** a current funding opportunity that matches your research interests and identify the relevant [Letter of Intent and application deadlines](#).
2. **View** a [funding opportunities webinar](#) to learn more about the application process and choosing an appropriate funding opportunity.
3. **Download** the appropriate [Request for Applications](#) and [application package](#) (Search for CFDA 84.305 or CFDA 84.324).
4. **Submit** your [Letter of Intent](#) (optional but strongly encouraged).
5. **Register** (or update) your organization on [Grants.gov](#).
6. **Submit** your application to [Grants.gov](#) before the application [deadline](#).
8. If you are interested in the unsolicited proposal opportunity, submit a short prospectus, no more than 6 pages. The Institute recommends that the prospectus (not counting references and budget) be no more than 6 double-spaced, single-sided pages.

9. You must submit the prospectus via email to IESprospectus@ed.gov.

12. NASA

Website Link: [https://science.nasa.gov/researchers/sara/grant-solicitations](https://science.nasa.gov/researchers/sara/grant-solicitations)

Grant stats: [https://science.nasa.gov/researchers/sara/grant-stats](https://science.nasa.gov/researchers/sara/grant-stats)

SOMA: [https://soma.larc.nasa.gov/](https://soma.larc.nasa.gov/)

Deadline(s): Varies

Support Strategies: Research

Funding: Varies

Description: FAQs

The NASA Shared Services Center (NSSC) is the NASA organization that issues grants to non-civil servant PI's. They report the number one cause of grant delays is a failure on the part of the proposer to submit accurate budget rates from their institution including approved indirect rates and appropriate justification for expenditures (see the budget details FAQ and the Guidebook for Proposers for instructions). This is one YOU can fix. Also, the more detail in your budget justification (or narrative) the less likely your grant will be delayed. Try to explain procurements in a manner that would be understood by a non-scientist, but with enough detail that they know what will be purchased.

How to Keep up With Changes to ROSES & NSPIRES

ROSES, our omnibus solicitation for proposals, is constantly being amended, clarified, and updated. To learn of new program elements that are added and keep up with amendments to existing one's proposers are strongly encouraged to subscribe to:

- The SMD mailing lists (by logging in at [http://nspires.nasaprs.com/](http://nspires.nasaprs.com/) and checking the appropriate boxes under "Account Management" and "Email Subscriptions"),
- The ROSES-2018 due date Google calendar. Instructions are [https://science.nasa.gov/researchers/sara/library-and-useful-links](https://science.nasa.gov/researchers/sara/library-and-useful-links) (link from the words due to date calendar).

Finally, please review the frequently asked questions about ROSES-2018 at [http://science.nasa.gov/researchers/sara/faqs/](http://science.nasa.gov/researchers/sara/faqs/).

Planetary Science Division Corner: Most recent charts of the Planetary Science Division ROSES programs

You can find abstracts of the awards from each ROSES program posted on NSPIRES by following this procedure: go to [http://nspires.nasaprs.com/external/](http://nspires.nasaprs.com/external/) choose solicitations, then choose “Past Solicitations and Selection Dates” and then choose the year you want from the drop-down menu and click the “find” button. This will give you a list of all of the programs for that year. For each one there is a link to a unique NSPIRES page. On each NSPIRES page, there is a link under “Selections” to PDF file you can download with the abstracts of the winners. "If you are not after the winners from a particular ROSES program but want to search more broadly, you can use the NSSC grant status page at [https://www.nssc.nasa.gov/grantstatus](https://www.nssc.nasa.gov/grantstatus) and search by the Institution, PI name or words in the title of the award. That will give you lists of awards but not their abstracts. If you need abstracts and want to search by keyword (etc.), you can use the research.gov search forms. The quick search form at [http://www.research.gov/research-portal/appmanager/base/desktop?_nfpb=true&_eventName=viewQuickSearchFormEvent_so_rsr](http://www.research.gov/research-portal/appmanager/base/desktop?_nfpb=true&_eventName=viewQuickSearchFormEvent_so_rsr) will return results for both NASA and NSF awards, but if you use the Advanced Search, you can narrow it down to just NASA and do some other cool things."

An archive of the submission and selection numbers for the NASA Earth and Space Science Fellowship (NESSF), our fellowships for graduate students, may be found at [researchers/sara/grant-stats/nasa-earth-and-space-science-fellowship-nessf-selections/](researchers/sara/grant-stats/nasa-earth-and-space-science-fellowship-nessf-selections/).
### 13. NIH: National Institute of Health

**Website Link:** [https://www.nih.gov/grants-funding](https://www.nih.gov/grants-funding)  
**Open Investigator-Initiated Announcements:** [https://grants.nih.gov/grants/guide/parent_announcements.htm](https://grants.nih.gov/grants/guide/parent_announcements.htm)  
**Deadline(s) Varies**

**Support Strategies:**
- Research Grants (R series)
- Career Development Awards (K series)
- Research Training and Fellowships (T & F series)
- Program Project/Center Grants (P series)
- Resource Grants (various series)
- Trans-NIH Programs

**Description:** NIH funded research has led to breakthroughs and new treatments, helping people live longer, healthier lives, and building the research foundation that drives discovery. NIH offers funding for many types of grants, contracts, and even programs that help repay loans for researchers. On occasion, we use the NIH Guide to publish research contract opportunities in addition to grant opportunities, but for a comprehensive listing of contract opportunities, we encourage you to search [FedBizOpps](https://fedbiz.gov), the fed-wide portal that supports searching, monitoring, and retrieving contract opportunity. Or you can visit our [contracts page](https://grants.nih.gov/grants/guide/contracts.htm) to learn more about the difference between grants and contract, types of contracts, how contracts are evaluated, and more.

**Weekly Table of Contents**
NIH publishes funding opportunities and notices in the NIH Guide daily. At the end of each work week (usually on Friday afternoon), we send a weekly table of contents of everything published during the week to the NIH Guide LISTSERV. Subscribe today!

- Current Weekly Table of Contents (TOC)
- Past Tables of Contents

**Receive NIH Guide Information**
Weekly Update via E-mail LISTSERV - [Subscribe or Unsubscribe](https://lists.nih.gov/listserv).  
**RSS Format** — Receive NIH Funding Opportunities in RSS (Really Simple News Syndication) format.  
**Twitter** - Follow @NIHfunding for NIH Funding Opportunities

Grants process overview: [https://grants.nih.gov/grants/grants_process.htm](https://grants.nih.gov/grants/grants_process.htm)  
Forms library: [https://grants.nih.gov/grants/forms.htm](https://grants.nih.gov/grants/forms.htm)

**All NIH Grant Toolkits Available [HERE](https://grants.nih.gov/grants/how-to-apply-application-guide/video/index.htm):**
1. R15 Grant Toolkit
2. R21 Grant Toolkit
3. R01 Career Grant Toolkit
4. R01 Grant Toolkit
5. R01 Multi-Pi Grant Toolkits
6. MIRA Grant Toolkit (includes Early Career)

### 14. NSF: National Science Foundation

**Website Link:** [https://www.nsf.gov](https://www.nsf.gov)  
**Broader Impacts Website:** [https://www.nsf.gov/od/oia/special/broaderimpacts/](https://www.nsf.gov/od/oia/special/broaderimpacts/)  
**Find grants through:**
- NSF Area website (see links below)
- Grants.gov [https://www.grants.gov/](https://www.grants.gov/)
- Pivots: [https://pivot.cos.com/funding_main](https://pivot.cos.com/funding_main)
- GrantForward: [https://www.grantforward.com/index](https://www.grantforward.com/index)
**Deadline(s) Varies**

**Support Strategies:**
- Research • RAPID & EAGER • RAISE • GOALI • Ideas Lab • FASED • Conferences • Equipment • Travel • Facility / Center • Fellowships

**ALL NSF Grant Toolkits Available [HERE](https://www.nsf.gov/od/oia/special/broaderimpacts/):**
7) CAREER  
8) Discovery DRK-12  
9) MRI  
10) PFI  
11) REU

---

Page 13  
Last edited Nov. 2019  
Provided by the Research Development  
Stacey L Smith@baylor.edu X3252 or  
Virginia Kearney@baylor.edu X6833
12) **Graduate Student Fellowship Program (GRFP)**

Description: Areas:
- Biological Sciences (BIO)
- Computer and Information Science and Engineering (CISE)
- Education and Human Resources (EHR)
- Engineering (ENG)
- Environmental Research and Education (ERE)
- Geosciences (GEO)
- Integrative Activities (OIA)
- International Science and Engineering (OISE)
- Mathematical and Physical Sciences (MPS)
- Social, Behavioral and Economic Sciences (SBE)

---

15. **SAMHSA (Substance Abuse and Mental Health Services Administration)**

**Website Link:** [https://www.samhsa.gov/](https://www.samhsa.gov/)

**Grants:** [https://www.samhsa.gov/grants](https://www.samhsa.gov/grants)

**Deadline(s):** Varies

**Support Strategies:** Research

**Funding:** Varies

**Description:** SAMHSA makes grant funds available through the Center for Substance Abuse Prevention, the Center for Substance Abuse Treatment, and the Center for Mental Health Services. Find funding opportunities that support programs for substance use disorders and mental illness, and learn about the grant application, review, and management process.

SAMHSA announces grant funding opportunities through Funding Opportunity Announcements (FOAs). Each FOA contains all the information you need to apply for a grant. To apply for a SAMHSA grant, you must register on [Grants.gov](https://www.grants.gov).

**View all Fiscal Year (FY) 2018 Grant Announcements**

**These resources will help you find and apply for funding opportunities:**
- Visit "Applying for a New SAMHSA Grant" to learn more.
- Registration Requirements
- Submitting Your Application
- Application Forms and Resources
- Guidelines for Consumer and Family Participation

---

16. **United States Office of Naval Research**

**Website Link:** [www.onr.navy.mil](http://www.onr.navy.mil)


**Deadline(s):** Varies

**Support Strategies:** Research

**Funding:** Varies dependent upon project

**Description:** The Office of Naval Research (ONR) fosters, plans, facilitates and transitions scientific research in recognition of its paramount importance to enable future naval power and the preservation of national security. To ensure fairness in consideration of proposals for ONR systems engineering and technical assistance and/or support services, the naval command has implemented policies to protect against organizational conflicts of interest.

Headquartered in Arlington, Va., ONR coordinates executes and promotes the science and technology programs of the U.S. Navy and Marine Corps through partnerships with schools, universities, government laboratories, and nonprofit and for-profit organizations. ONR provides technical advice to the Chief of Naval Operations and the Secretary of the Navy and works with industry to improve technology manufacturing processes.

**Solicitations:** Get information about solicitations with the Office of Naval Research. Before you submit a proposal for an ONR award, make sure you understand ONR's policies on conflicts of interest.
Broad Agency Announcements (BAAs) and Funding Opportunity Announcements (FOAs): A BAA or FOA is used to fill requirements for scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding rather than focusing on a specific system or hardware solution. FOAs only result in the award of an assistance instrument and BAAs may result in the award of both acquisition and assistance instruments. See current BAAs and FOAs.

Non-Government Funders

17. Academy of Medicine, Engineering and Science of Texas (LIMITED SUBMISSION)

Website Link: [http://tamest.org/](http://tamest.org/)  
Deadline(s): internal application due 12/01  
Support Strategies: Biology, Engineering, Health & Human Performance, Math, Physics  
Funding: $25,000

**Description:** The Academy of Medicine, Engineering & Science of Texas promotes broader recognition of the state’s top achievers in medicine, engineering, and science, and to build a stronger identity for Texas as an important destination and center of achievement in these fields. The O’Donnell Awards annually recognize rising Texas researchers who are addressing the essential role that science and technology play in society, and whose work meets the highest standards of exemplary professional performance, creativity, and resourcefulness.

The O’Donnell Awards acknowledge outstanding achievements by Texas-based researchers in four categories: medicine, engineering, science, and technology innovation. Each award includes a $25,000 honorarium and an invitation to present at TAMEST’s Annual Conference in January.

- 2018 Recipients
- 10th Anniversary Video
- Supporters
- Past Recipients

18. Amazon

Website Link: [https://ara.amazon-ml.com/about/](https://ara.amazon-ml.com/about/)  
Deadline(s): September  
Support Strategies: Computer & Math Research  
Funding: $80,000

**Description:** The Amazon Research Awards (ARA) program offers awards of up to $80,000 to faculty members at academic institutions in North America and Europe for research in these areas:

- Computer vision
- General AI
- Knowledge management and data quality
- Machine learning
- Machine translation
- Natural language understanding
- Personalization
- Robotics
- Search and information retrieval
- Security, privacy and abuse prevention
- Speech

The ARA program funds projects conducted primarily by Ph.D. students or postdocs, under the supervision of the faculty member awarded the funds. To encourage collaboration and the sharing of insights, each funded proposal team is assigned an appropriate Amazon research contact. We also invite ARA recipients to speak at
Amazon offices worldwide about their work and to meet with our research groups face-to-face and encourage ARA recipients to publish their research outcome and commit related code to open-source code repositories.

| 19. American College of Sports Medicine Foundation Research Endowment |
| Website Link: [https://www.acsm.org/](https://www.acsm.org/)  |
|  | Jan.  |
| Support Strategies: | Research grants and travel support for student members and young investigators  |
| Funding: | Varies with grant  |
| Description: ACM is the largest sports medicine and exercise science organization in the world. With more than 50,000 members and certified professionals worldwide, ACM is dedicated to advancing and integrating scientific research to provide educational and practical applications of exercise science and sports medicine. CSM's Foundation Research Grant Program started in 1989 with one research initiative in basic and applied science, and it awarded $50,000 among five doctoral research students. In 2017, the Foundation awarded approximately $141,056 among 23 student researchers and young investigators. Grants in this program and other programs are outlined below.  |
|  | Dr. Raymond A. Weiss Research Endowment  |
|  | ACM Foundation Doctoral Student Research Grant  |
|  | Research Endowment  |
|  | Carl V. Gisolfi Memorial Fund  |
|  | Paffenbarger-Blair Fund for Epidemiological Research on Physical Activity  |
|  | NASA Space Physiology Research Grant  |
|  | Clinical Sports Medicine Endowment  |

401 West Michigan Street, Indianapolis, IN 46202-3233  
Ph:(317) 637-9200  
Fax:(317) 634-7817  
[News RSS](https://www.acsm.org/)  
[ACSM Blog](https://www.acsm.org/)  
[Events RSS](https://www.acsm.org/)  
[ACSM &](https://www.acsm.org/)  

| 20. American Heart Association: Professional Heart |
| Website Link: [https://www.heart.org/en](https://www.heart.org/en)  |
| Professional Heart Association Grants: [https://professional.heart.org/professional/ResearchPrograms/ApplicationInformation/UCM_316909_Application-Information.jsp](https://professional.heart.org/professional/ResearchPrograms/ApplicationInformation/UCM_316909_Application-Information.jsp) | Deadline(s):  |
| Precision Cardiovascular Medicine: [https://professional.heart.org/professional/ResearchPrograms/InstituteforPrecisionCardiovascularMedicine/UCM_461668_Information-on-the-Institute-for-Precision-Cardiovascular-Medicine.jsp](https://professional.heart.org/professional/ResearchPrograms/InstituteforPrecisionCardiovascularMedicine/UCM_461668_Information-on-the-Institute-for-Precision-Cardiovascular-Medicine.jsp) | Varies  |
| Support Strategies: | Early career  |
|  | Established career  |
|  | Small-scale research projects related to CVD and stroke  |
|  | Undergraduate research award  |
|  | Innovative Project  |
|  | Collaborative Sciences award  |
| Funding: | See website for current opportunities  |
• Precision Cardiovascular medicine

<table>
<thead>
<tr>
<th>Description:</th>
<th>Please check our Funding Opportunities Page for more information about our grant mechanisms and deadlines.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Established Investigator Award</strong></td>
<td>Supports mid-career healthcare and academic investigators with unusual promise and in rapid growth phase, who have established records of accomplishments, and demonstrated commitment to questions related to cardiovascular or cerebrovascular science.</td>
</tr>
<tr>
<td><strong>Institutional Undergraduate Student Award</strong></td>
<td>Encourages students from all disciplines to consider research careers. This is made to qualified institutions that can offer a meaningful research experience that supports the AHA mission undergraduate college students.</td>
</tr>
<tr>
<td><strong>AHA Institutional Research Enhancement Award (AIREA)</strong></td>
<td>Supports small-scale research projects related to CVD and stroke at educational institutions that provide baccalaureate or advanced degrees but that have not been major recipients of NIH support. For any part of the full range of research and development from very basic to clinical.</td>
</tr>
<tr>
<td><strong>Strategically Focused Atrial Fibrillation Research Network</strong></td>
<td>The AHA is interested in the science community exploring the etiology, prevention or treatment of cardiovascular disease or stroke in Atrial Fibrillation, which can assist the AHA in reaching its 2020 Goals and overall mission of building healthier lives free of cardiovascular disease and stroke. A Network is comprised of three to five institutions, or Centers, working on projects focusing on one strategic area.</td>
</tr>
<tr>
<td><strong>Career Development Award</strong></td>
<td>Supports highly promising healthcare and academic professionals, in the early years of one’s first professional appointment, to explore innovative questions or pilot studies that will provide preliminary data and training necessary to assure the applicant’s future success as a research scientist in the field of cardiovascular and stroke research.</td>
</tr>
<tr>
<td><strong>Institute for Precision Cardiovascular Medicine Awards</strong></td>
<td>The American Heart Association Institute for Precision Cardiovascular Medicine strives to preserve and prolong health by more precisely predicting, preventing and treating cardiovascular diseases and stroke. We look to accomplish this by supporting grants which utilize innovative ideas, strategic collaborations and access to integrated data with state-of-the-art technology will cohesively work to eliminate cardiovascular diseases and stroke for families and for future generations. Precison cardiovascular medicine takes into account an individual's lifestyle, environment, and biology to help identify the underlying causes of cardiovascular-related risk factors and events to help decrease and prevent these risk factors and events. This new field of precision medicine utilizes advanced methods of aggregating, integrating and analyzing patient data. Our grant mechanisms will be focused on many aspects of precision cardiovascular medicine to reach our goals.</td>
</tr>
</tbody>
</table>

Please check our Funding Opportunities Page for more information about our grant mechanisms and deadlines. The American Heart Association’s Institute for Precision Cardiovascular Medicine (The Institute) aims to advance the science and practice of personalized medicine to improve the cardiovascular health of individuals and populations. The Institute is working to create products and services that integrate research with more precise approaches to reverse and prevent cardiovascular disease and stroke. To further advance our mission and Institute's goals, we offer grant opportunities to scientists of all fields. 

Our first foray into the precision medicine arena was built around the Cardiovascular Genome-Phenome Study (CVGPS). Through this program, the American Heart Association (AHA) spearheaded a collaborative effort to accelerate the future of cardiovascular medicine. Through three award mechanisms, the CVGPS program combines the power of long-term population studies with the precision of molecular analysis to unravel key distinctions between and within subgroups of patients. The discoveries it generates will point the way toward better-targeted, safer, and more effective treatments, based on a deeper understanding of patients' characteristics, including factors such as risk profiles and therapeutic needs. 

With new partnerships bringing additional top-level expertise, we are building on the science of precision medicine through collaborative relationships under the Institute. We continue to offer a variety of grant opportunities for scientists and researchers from many different fields of study to accomplish our goals to reverse and prevent cardiovascular diseases and stroke.
### 21. Association for Computing Machinery (ACM)

**Website Link:** [http://history.acm.org/](http://history.acm.org/)

**Support Strategies:** Computer Programming and development

**Deadline(s):** January

**Funding:** Varies

**Description:** ACM recognizes excellence through its eminent series of awards for technical and professional achievements and contributions in computer science and information technology. ACM also names as Fellows and Distinguished Members those members who, in addition to professional accomplishments, have made significant contributions to ACM’s mission. [How to Nominate](http://history.acm.org/)

- ACM A.M. Turing Award
- ACM Prize in Computing
- ACM/CSTA Cutler-Bell Prize in High School Computing
- ACM Distinguished Service Award
- ACM Doctoral Dissertation Award
- ACM - IEEE CS Eckert-Mauchly
- ACM Grace Murray Hopper Award
- ACM Gordon Bell Prize
- International Science and Engineering Fair
- ACM Paris Kanellakis Theory and Practice Award
- ACM Karl V. Karlstrom Outstanding Educator Award
- ACM - IEEE CS Ken Kennedy Award
- ACM Eugene L. Lawler Award
- ACM - IEEE CS George Michael Memoria HPC Fellowships
- ACM - AAAI Allen Newell Award
- Outstanding Contribution to ACM Award
- ACM Policy Award
- ACM Presidential Award
- SIAM/ACM Prize in Computational Science and Engineering
- ACM Software System Award
- ACM Athena Lecturer Award
- ACM India Doctoral Dissertation Award

### 22. Association for Iron and Steel Technology

**Website Link:** [https://www.aist.org/home.aspx](https://www.aist.org/home.aspx)

**Support Strategies:** Engineering grants for iron and steel industry

**Deadline(s):** December and June

**Funding:** Varies

**Description:** The AIST Foundation awards grants on an annual basis to increase the number of engineering faculty with a vested interest in the iron and steel industry, and to increase the number of engineering students electing to pursue careers in the iron and steel industry.

**Kent D. Peaslee Junior Faculty Award** ($35,000-renewable for 3 years and then you can apply for Steel Award)

The AIST Foundation Kent D. Peaslee Junior Faculty Award, open to all technical engineering disciplines, will assist junior faculty in building their research and professional service activities towards obtaining tenure. The purpose of this award is to increase the number of younger engineering professors with a vested interest in the iron and steel industry. The award, open to all technical engineering disciplines, will assist junior faculty in building their research and professional service activities towards obtaining tenure. This award is granted to an individual professor and is not transferable.

The award will provide funding to encourage the following activities:

- Help younger professors become better informed about the steel industry.
- Provide seed money for steel-related research projects.
• Develop relationships between university and industry personnel.
• Recruit more students for employment in the steel industry.

**Steel Curriculum Development Grant** ($10,000 each year for 2 years, then $5,000 for the 3rd year)
The purpose of the Steel Curriculum Development Grant provides funding to develop, enhance or update the steel-related industry curriculum.

**Don B. Daily Safety Grant** ($10,000)
The Don B. Daily Safety Grant provides an opportunity for North American university teams (students and professors) to submit proposals in the theme area of safety and health awareness within the steel manufacturing industry.

**Electrical Engineering Grant** ($10,000)
The intent of the Electrical Engineering Grant is to encourage university teams (students and professors) to submit proposals relating to an electrical challenge within the steel manufacturing industry.

► **Application**
► **Grant Recipients**
This grant was established in 2015 to challenge North American university teams (students and professors) from electrical engineering departments to submit proposals for grant funding in the theme area of an electrical engineering challenge (industrial control systems, power and energy systems, electrical machines and motor drives) within the steel manufacturing industry. The grant will provide funding to encourage the following:

- Support the professors in promoting the industry to electrical engineering students.
- Provide direct interaction for electrical engineering students with the steel industry.
- Recruit more electrical engineering students for employment in the steel industry.

**Award and Outcome**
It is the intent to give two awards every year to qualified electrical engineering university professors. The number of awards granted depends on fund availability, the number of proposals received, and the quality of proposals received; at the discretion of the selection committee. The maximum grant per award will be US$10,000 for a maximum allowable time of one year beginning in September. At the completion of the project, a report shall be submitted to the AIST Foundation defining the effective outcome of the team effort. A student team will be encouraged to present the project upon completion at an AIST event. A final report will be included in the AIST magazine, *Iron & Steel Technology*.

**Mentor**
To assist the applicant’s in forging steel industry networks (access, connections, and relationships), a steel industry representative currently employed with a steel producing or steel-related company must be identified in the proposal. The mentor should be in the appropriate area of expertise for the recipient candidate and from a conveniently located steel producing or steel-related company willing to support the project. AIST will assist in identifying mentors if needed.

### 23. Best Buy Foundation Community Grants (added 11/19)

<table>
<thead>
<tr>
<th>Website Link: <a href="https://corporate.bestbuy.com/community-grants/">https://corporate.bestbuy.com/community-grants/</a></th>
<th>Deadline(s): Spring, May</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Support Strategies:</strong> informal learning grants through out of school organizations</td>
<td><strong>Funding:</strong> upper 15,000</td>
</tr>
</tbody>
</table>
| **Description:** The Best Buy Foundation is seeking local organizations with a demonstrated track record for building skill proficiency in technology through out-of-school time programs. Programs should help teens build tech skills by utilizing cutting-edge technology such as computers, digital cameras, video cameras and professional software in a wide range of areas including (but not limited to):
- Audio production (including music mixing & recording)
- Website development
- Computer maintenance and repair
- UX/UI (user experience/user interface)
- Digital arts such as graphic design and photography
- Cybersecurity |
- Mobile & game app development
- 3D Animation
- Programing & coding
- Virtual Reality/ Augmented Reality
- Robotics
- Green technology

Special consideration will be given to programs that exclusively serve girls in an effort to increase their tech skill fluency.

Eligibility
Best Buy invites out-of-school time programs that have a fundamental commitment to under resourced youth, ages 13-18, to apply for funding. Minimum eligibility criteria include:

- Eligible nonprofits may be a public or nonprofit community-based organization (e.g., community center, school or library) with existing local out-of-school time program and a proven track record of serving youth ages 13-18.
- Program located within a non-profit organization targeting teens in under resourced communities.
- Program must operate within 25 miles of a Best Buy store or other Best Buy center of operations (e.g., warehouse, corporate headquarters, Geek Squad Service Center, etc.) to allow for Best Buy employee volunteer participation (if appropriate).

Research Development Notes: The website does not have information on the new grant cycle but I found the information on Pivot Opp ID: 159528

---

### 24. Bloomberg Data Science Grants (New 11/19)

**Website Link:** [https://www.techatbloomberg.com/data-science-research-grant-program/](https://www.techatbloomberg.com/data-science-research-grant-program/)

**Deadline(s):** April

**Support Strategies:** research grants and PhD Fellowships in Data Science

**Funding:**

**Description:** Bloomberg invites academic researchers worldwide to apply for unrestricted gifts that support research in data science, typically focusing on natural language processing, information retrieval, machine learning, and crowdsourcing. We also invite proposals for the creation of, or contributions to, open source software used for data science. Faculty members, research scientists, and post-doctoral fellows at universities worldwide are eligible to serve as Principal Investigators (PIs). A PI can lead one proposal per cycle, but can serve as co-PI on other proposals.

Applications should be submitted here in PDF format. We prefer a single file containing all materials, named after the first PI's last name and first name. Please note that Bloomberg cannot accept any proposal containing confidential or proprietary information.

**Criteria:** We look for technical merit, novelty, and potential for impact. Good proposals present a data science problem, a specific idea, and argue that this idea has the potential to succeed. Proposals to investigate an area without a plan of attack are less likely to be funded. We also prefer to fund research that is not easily funded otherwise. Proposals are reviewed by a committee of Bloomberg employees from various areas of data science. The bulk of the proposal should be directed at a technical data science reviewer, but we also ask that it include one to two paragraphs making the case to a technical non-expert.

Bloomberg employees in your research community can provide feedback before you submit a proposal. Contacting employees is not required for funding, but it can help. All funded projects will be assigned a contact at Bloomberg.

Research Development Notes:
25. Discovery Institute

Website Link: https://www.discovery.org/

Support Strategies: Role of science in culture

Funding: Varies

Description: Discovery Institute promotes thoughtful analysis and effective action on local, regional, national and international issues. The Institute is home to an inter-disciplinary community of scholars and policy advocates dedicated to the reinvigoration of traditional Western principles and institutions and the worldview from which they issued. Discovery Institute has a special concern for the role that science and technology play in our culture and how they can advance free markets, illuminate public policy and support the theistic foundations of the West. The Institute was founded by Bruce Chapman and George Gilder in 1991.

26. Entertainment Software Association Foundation (New 11/19)

Website Link: http://www.esafoundation.org/application.asp
Previous Awards List: http://www.esafoundation.org/beneficiaries.asp

Support Strategies: supports programs and services that use technology or computer/video games in education

Funding: $50,000

Deadline(s): Spring/Summer

Description: The ESA Foundation is dedicated to supporting positive programs and opportunities that make a difference in the lives of America’s youth. The Foundation seeks to harness the collective power of the interactive entertainment industry to create positive social impact in our communities.

1. Description: The ESA Foundation is dedicated to supporting positive programs and opportunities that make a difference in the lives of America’s youth. The Foundation seeks to harness the collective power of the interactive entertainment industry to create positive social impact in our communities.

2. Seek funding for a specific project or program that is or will be implemented or available nation-wide or at a minimum in two or more states in the United States.


4. Provide programs and services that utilize technology and/or computer and video games to educate America’s youth and young adults.

Look at previously awarded grants for an idea of what they support (see link above). Pivot says the anticipated Letter of Inquiry will be June 202 with grant application in August.

Research Development Notes:

27. Google

Website Link: http://research.google.com/university/relations/research_awards.html

Support Strategies: Research

Funding: Upper $150,000

Deadline(s): See website

Description: The Faculty Research Awards Program sometimes referred to as the Research Awards Program, supports academic research in computer science, engineering, and related fields. Through the program, Google funds world-class research at top universities, facilitate interaction between Google and academia, and support projects whose output will be made openly available to the research community.

The intent of the Google Research Awards is to support cutting-edge research in Computer Science, Engineering, and related fields. We ask applicants to categorize their proposals into one of the following broad research areas of interest to Google. Please note that this topic list has been revised since the last round of the Faculty Research Awards. At this time, we are only considering proposals on the topics listed below:

- Computational neuroscience
- Geo/maps
- Human-computer interaction
- Information retrieval, extraction, and organization (including semantic graphs)
- Machine learning and data mining
- Machine perception
- Machine translation
Each funded project will be assigned a Google sponsor. The role of the sponsor is to support the project by discussing research directions, engaging with professors and students, and overseeing collaboration between the project team and Google. We encourage Research Awards recipients to visit Google to give talks related to their work and meet with relevant research groups here. Through the Research Awards program, we try to fund projects where collaboration with Google will be especially valuable to the research team.

28. Honda Foundation (Limited Submission)

Website Link: [https://www.honda.com/community/applying-for-a-grant](https://www.honda.com/community/applying-for-a-grant)  
Deadline(s): internal application due 12/1

Support Strategies: Youth education in STEM  
Funding: $20,000 to $75,000 a year (average $45,000); Averages 27 grants a year

Description: The American Honda Foundation engages in grant making that reflects the basic tenets, beliefs, and philosophies of Honda companies, which are characterized by the following qualities: imaginative, creative, youthful, forward-thinking, scientific, humanistic and innovative. **We support youth education with a specific focus on the STEM (science, technology, engineering, and mathematics) subjects in addition to the environment.** “Youth” is defined as up to 21 years of age.

To determine if your program/project meets the qualifications for consideration, take the [Eligibility Quiz](https://www.honda.com/community/applying-for-a-grant) and begin the online application process.

**What types of projects are funded?**

As mentioned earlier, the American Honda Foundation supports youth education with a specific focus on the STEM (science, technology, engineering, and mathematics) subjects in addition to the environment, job training and literacy. Our aim is to seek out those programs and organizations with a well-defined sense of purpose, demonstrated a commitment to making the best use of available resources and a reputation for accomplishing their objectives. In addition, programs should be:

- Innovative and creative that propose untried methods which ultimately may result in providing solutions to the complex educational concerns currently facing the American society.
- Broad in scope, intent, impact, and outreach.
- Possess a high potential for success with a relatively low incidence of duplication of effort (i.e., other organizations administering the same programs).
- Dedicated to improving the human condition of all mankind.
- Operate from a position of financial and administrative soundness.
- In urgent need of funding from a priority basis (not necessarily financial need); i.e., the relative importance of the program or project to the public.

29. IBM

Deadline(s): Varies

Provided by the [Research Development](mailto:Research.Development@ibm.com)

Stacey_L_Smith@baylor.edu X3252 or  
Virginia_Kearney@baylor.edu X6833
### Support Strategies: Research Funding: Varies

**Description:** IBM University Awards support basic research, curriculum innovation, and educational assistance in focus areas that are fundamental to innovation in the 21st Century and strategic to IBM's core business. These focus areas include the following topics of interest:
- AI / Cognitive Computing
- Big Data / Analytics
- Blockchain
- Cloud Computing / Services
- Core Technologies
- Internet of things
- Quantum Computing
- Security
- Social / Mobile

We provide funding under two engagement models:

**By open submissions**
For these awards, we invite submission of nominations in response to solicited, published program announcements. Eligibility requirements and objectives for each competition are included in the invitation. Included in this group are IBM Ph.D. Fellowship Awards.

**By IBM nomination**
These awards support the success of existing, active collaborations. Nominations for these awards are initiated by the IBM technical contact actively participating in the work. Included in this group are IBM Faculty Awards, IBM Open Collaborative Research (OCR) Awards, and IBM Shared University Research (SUR) Awards.

<table>
<thead>
<tr>
<th>30. INTEL: Faculty Sponsorship</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Website Link:</strong> <a href="https://www.intel.com/content/www/us/en/education/highered/university-research-programs.html">https://www.intel.com/content/www/us/en/education/highered/university-research-programs.html</a></td>
</tr>
<tr>
<td><strong>Support Strategies:</strong> Research</td>
</tr>
<tr>
<td><strong>Description:</strong> <strong>Interest Areas</strong> Some of the critical research paths currently being explored by collaborative, university-based initiatives sponsored by Intel. They also give individual grants. <strong>Individual Faculty Grants</strong> Individual contract proposals are submitted to and approved by the Corporate Research Council (CRC) quarterly. <strong>For more information, contact:</strong> <a href="mailto:Higher.education@intel.com">Higher.education@intel.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>31. Johnson &amp; Johnson (Limited Submission)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Website Link:</strong> <a href="https://www.jnj.com/wistem2d">https://www.jnj.com/wistem2d</a></td>
</tr>
<tr>
<td><strong>Support Strategies:</strong> Engineering, Manufacturing and Design, Math, Science, Technology</td>
</tr>
<tr>
<td><strong>Description:</strong> The Johnson &amp; Johnson Scholars Award Program aims to fuel the development of female STEM2D leaders and feed the STEM2D talent pipeline by awarding and sponsoring women at critical points in their research careers, in each of the STEM2D disciplines: Science, Technology, Engineering, Math, Manufacturing, and Design.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>32. (W.M.) Keck Foundation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Website Link:</strong> <a href="http://www.wmkeck.org">www.wmkeck.org</a></td>
</tr>
</tbody>
</table>

---

Page 23
Last edited Nov. 2019

Provided by the Research Development Stacey_L_Smith@baylor.edu X3252 or Virginia_Kearney@baylor.edu X6833
Support Strategies: Research  
Funding: The average size and duration of grants vary by project and program area. Research grants range from $500,000 to $5 million and are typically $2 million or less.

Description: In recent years, the Foundation has focused on Science and Engineering Research; Medical Research; Undergraduate Education; Each of our grant programs invests in people and programs that are making a difference in the quality of life, now and for the future.

Supporting pioneering discoveries in science, engineering and medical research have been our mandate for a half-century. By funding the work of leading researchers, the establishment of unique laboratories and research centers, and the purchase of sophisticated instruments, we are laying the groundwork for breakthrough discoveries and new technologies that will save lives, provide innovative solutions to complex problems and add immeasurably to our understanding of life on Earth and our place in the universe. See instructions for concept papers here: http://www.wmkeck.org/grant-programs/faq/214-grantprograms/shared/1482-concept-papers

33. Kern Family Foundation
Website Link: https://www.kffdn.org/  
Deadline(s): Varies
Support Strategies: Education, STEM, Entrepreneurship  
Funding: Varies
Description: The Foundation enriches American lives by promoting the value of work, developing the formation of good character, increasing educational achievement – particularly in science, technology, engineering and math – and instilling an entrepreneurial mindset, especially in undergraduate engineering students.
We intentionally focus on systemic change, rather than charity, by partnering with broad-impact, long-term programs that align with one or more of our focus areas:
1. Forming Good Character
2. Providing Quality Education
3. Instilling an Entrepreneurial Mindset
4. Rediscovering the Value of Work

34. Microsoft
Website Link: https://www.microsoft.com/en-us/research/academic-program/microsoft-azure-for-research/  
Deadline(s): See website
Support Strategies: Grants and cloud computing resources  
Funding: Varies
Description: The Microsoft Azure for Research program awards cloud computing resources to researchers working on data-intensive projects, including those using the Microsoft Genomics service.
About
FAQ
The Microsoft Genomics for Research program awards Microsoft Azure cloud computing resources to researchers interested in testing and developing their own next-generation sequencing (NGS) pipelines using the Microsoft Genomics service. Microsoft Genomics is an easy-to-use, scalable cloud service for secondary analysis of genomes. The service is an optimized version of the Broad Institute’s best practices pipeline, BWA-GATK. Learn more about it at microsoft.com/genomics.
These awards are intended to drive exploration and discovery by providing an easy-to-use service for secondary analysis of genomes. Outputs can be easily integrated to external tertiary analysis tools, such as Microsoft R Server on HDInsight.
Application instructions
To qualify for our awards program, applicants must be affiliated with an academic institution. In addition to individual investigator projects, we are interested in projects that will support integrated analysis of genotypic and phenotypic data. Faculty, researchers, and Ph.D. graduate students are qualified to submit proposals for Azure awards. Masters-level and undergraduate students require a faculty project supervisor to submit their proposal.
Submit your proposal

Provided by the Research Development
Stacey_L_Smith@baylor.edu X3252 or Virginia_Kearney@baylor.edu X6833
Apply now for access to Azure cloud computing resources. Submitting a short proposal is simple, and you will receive a decision within four weeks. The project awards will start June 1, 2018, and will expire on December 31, 2018. Information included in your application will be reviewed only for RFP-related decisions.

- Length: Your proposal should be no longer than three pages.
- Language: Your proposal must be written in English.
- Title: Your proposal title must begin with “Microsoft Genomics for Research” to ensure that your proposal is considered for this award.
- Include:
  - A description of the project you are working on, how you will use the Microsoft Genomics service, why it is important, and how it can help transform the way we use genomic information to better understand health and disease.
  - Your resource requirement estimates (for example, storage requirements, number of genomes you aim to process) and how you will use any other Azure advanced analytics offering, if applicable.

**Submission:** Submit your proposal via the online application form.

**FAQ:** For more details about how to produce a good proposal, see our FAQ.

Microsoft Research provides a continuously refreshed collection of free datasets, tools, and resources designed to advance the state of the art of academic research in many areas of computer science, such as natural language processing and computer vision. In addition, you can browse datasets and apply for cloud-based compute cycles available under the Azure for Research program.

Your research could win a $25,000 grand prize!

The Cloud AI Research Challenge invites any researcher – from students to academics to employees of public and private organizations – to build AI applications on Microsoft AI services. Your application could win a US$25,000 grand prize, Learn more

**NSF Big Data Regional Innovation Hub Program**

Microsoft Research is proud to support the US-wide National Science Foundation’s (NSF) Big Data Regional Innovation Hubs (BD Hubs) program by awarding $3M in Microsoft Azure cloud computing credits.

NSF supports four regional hubs for data science innovation, called the BD Hubs, throughout the United States. The consortia are coordinated by top data scientists at a multitude of top universities around the country.

- To learn more and apply, please email the big data hub covering your region Northeast, South, Midwest, West

---

### 35. Mozilla Research

**Website Link:** [https://research.mozilla.org/research-grants/](https://research.mozilla.org/research-grants/)  
**Deadline(s):** Open in spring

**Support Strategies:** Research in building, improving, and how people use technology  
**Funding:** $50,000

**Description:** Mozilla is dedicated to keeping the web open, healthy, and accessible to everyone. As part of that mission, we provide research grants to universities, labs, and research-focused registered non-profits working to make the internet a better place.

**Research Domains**

We fund research in a wide variety of ways, including building new technologies, improving existing technologies, and studying how people use technology. Our research domains include Emerging Technologies’ four core areas:

- **Open Web Platform**, such as Rust, Servo, and Daala. We recently funded projects testing the Rust and bindgen compilers and implementing Typed WebAssembly.
- **Mixed Reality**, including virtual reality and augmented reality. In 2017 we funded a study into gender differences in virtual reality, and another exploring how to design pro-social norms in VR.
- **Speech, Language & Assistants:** recent funded research includes improvements to word2vec; aiding the creation of a corpus of human-chatbot interaction open data; and mining translations from existing webpages.
• **New Explorations**: We have funded proposals to design more usable IoT access controls; family use of IoT; and building distributed computing in remote islands.

We also fund research relevant to Mozilla in other ways:

• **Firefox**: We funded a study to understand how users think Private Browsing modes work and how they actually work, as well as a study exploring older adults’ use of the internet.

• **Internet Health**: Funded proposals have included studies of the ethics of hacktivism and evaluating add-ons to understand their privacy implications.

• **Accessibility**: We have funded the creation of a corpus of unambiguous data for evaluating text entry for blind users, as well as tools to improve privacy and accessibility of web extensions.

• **Inclusion**: We believe in the value of inclusive innovation and impact, continuously exploring new possibilities with and for diverse communities, and have funded projects that include studying ways to ameliorate harassment in streaming video and encouraging computer science education for youth.

In addition, we’re always interested in projects that explore answers to difficult questions impacting the open web, such as:

• Developing open data resources and allowing for data portability

• Exploring reasonable ways to balance advertising and privacy

• Improving web anonymity

• Developing open identity solutions and open standards for encrypted messaging

• Researching alternatives to advertising to fund internet experiences

• Finding ways to improve the decentralization of the internet away from closed-source software and closed-source data

• Exploring issues related to vulnerable populations, and improving diversity in open-source software

For more detail, here are the previous funding announcements:

• [2017H2: Mozilla Awards Twelve Research Grants to Fund Top Research Projects](#)

• [2017H1: Mozilla Awards Nearly $300,000 to Research Grant Winners](#)

While we do fund a wide variety of domains, this program is for funding research. Requests for funding open-source software projects should go to Mozilla’s Open Source Software funding; requests for funding research or development conferences should go through Mozilla’s Conference Sponsorship program.

**Submitting a Funding Request**

To be notified about these or related opportunities for collaboration or funding, [join this mailing list](#).
37. (Christopher & Dana) Reeve Foundation

Website Link: [www.christopherreeve.org](http://www.christopherreeve.org)  
Deadline(s): See website

Support Strategies: non-profit awards  
Funding: $25,000

**Description**: The foundation encourages and supports research to develop effective treatments and a cure for paralysis caused by spinal cord injury and other central nervous system disorders and allocates a portion of its resources to grants that improve the quality of life for people with disabilities. **Description**: As a pillar of the Paralysis Resource Center, the Quality of Life Grants Program awards financial support to nonprofit organizations that mirror the Reeve Foundation’s mission.

Pioneered by the late Dana Reeve, the Quality of Life Grants Program recognizes projects and initiatives that foster community engagement, inclusion, and involvement while promoting health and wellness for individuals living with paralysis and their families.

The Quality of Life Grants Program has funded 2,961 non-profit programs, awarding over $23 million to organizations nationwide that provide services to foster community engagement, improved access, and independent living.

Grants have been awarded in all fifty states and in 33 countries outside the United States of America.

**Three thematic grant areas: The ABCs of Quality of Life**

The Quality of Life Grants Program funds a wide array of programs that are organized in three key thematic areas: Actively Achieving, Bridging Barriers, or Caring and Coping (ABC’s).

**Actively Achieving**

These projects provide individuals with disabilities opportunities to participate in activities that engage their bodies and minds. Actively Achieving programs promote interaction with other people in positive community settings, and nurture independence and personal growth. Sports, arts, recreation, education, and employment initiatives are all grouped in the Actively Achieving category.

Past examples include:
- Wheelchair ballroom dancing
- Adaptive surfing
- Accessible hiking trails
- Inclusive, accessible playgrounds
- Paralympic sports training
- Accessible gardening
- Career training and employment support services
- A special camp for children that require mechanical ventilators
- Power soccer programs
- Internship program for students with disabilities

**Bridging Barriers**

These projects address and offer solutions to barriers for independent living across the disability community. Barriers may be structurally evident, such as lack of ramps or other means of access in buildings with stairs, or lack of curb cuts on sidewalks.

Other barriers are far less obvious, such as lack of accessible transportation, inability to operate a computer due to limited hand function, failure to receive dental or gynecological care as a result of inaccessible examination equipment, the inability of uninsured or under-insured individuals to secure a properly fitted wheelchair, and discrimination in the workplace.

Past examples include:
- Installing a hydraulic lift in a pool at a community fitness center
- Advocacy training for workers with disabilities
- Accessible transportation for veterans with disabilities
- Wheelchair recycling program
- The transitional accessible housing program for adults with spinal cord injury
Caring and Coping
Caring and Coping projects provide services that address the complex day-to-day health and personal issues for individuals living with disabilities, their families and caregivers.
Disability often causes a great deal of stress in a family – whether paralysis occurs at birth or if a disability is acquired later in life due to traumatic injury or progressive illness. Prevention of secondary health conditions, encouraging healthy life choices, and connecting with peers for emotional support are key areas in this category. Injury prevention, disaster preparedness and response for individuals with disabilities, and research are also included.
Caregiver initiatives are of paramount importance, as caregivers are at high risk for burn out and their needs are often overlooked. As an example, we have funded programs that provide care and vital support to family caregivers of service members who were wounded or traumatized on the battlefields of Iraq and Afghanistan.
Other examples include:
- Mindfulness training program for caregivers
- Consumer health and wellness conference for families with spina bifida
- Nurse helpline for individuals with quadriplegia
- Injury prevention program for the Navajo nation
- Marriage enrichment program for couples impacted by multiple sclerosis

The application page provides more details on the recommendations of the retreat

| 38. Samsung - Global Collaboration: GRO Program |
| Website Link: [https://www.sait.samsung.co.kr/saithome/about/who.do](https://www.sait.samsung.co.kr/saithome/about/who.do) | Deadline(s): June |
| Support Strategies: Research | Funding: $100,000 |
| Description: Samsung explore opportunities to build research partnerships with academia and research institutions for creating the future. SAIT is actively engaged in the pursuit of open innovation to foster the discovery of new ideas and technological breakthroughs. |
| First, we develop the world's best or world's first technologies for new markets. | |
| Second, we create new convergence technologies. | |
| Third, we advance science-based nanotechnology research. | |
| Fourth, we develop disruptive technologies going beyond current paradigms. | |
| **Augmented Reality** | |
| Integrating information and imagination into the real world | |
| **Deep Learning** | |
| Understanding users and environments with human-level intelligence | |
| **Autonomous Driving** | |
| Sensing the environment and navigating without human input | |
| **Brain inspired computing & device** | |
| A new computing processor that mimics the human brain | |
| **Healthcare Platform** | |
| The advent of a healthcare system without man | |
| **Metaphotonics** | |
| The New Synthesis of Robotics, Machine Intelligence to Transform our Future Lifestyle | |
| **Graphene/2D** | |
| 2-Dimensional Materia | |
39. Semiconductor Research Corporation

**Website Link:** [https://www.src.org/compete/grc/](https://www.src.org/compete/grc/)  
**Deadline(s):** See website

**Support Strategies:** Core and custom research  
**Funding:** Varies

**Description:** A mission-driven research consortium, GRC funds research to address a member-defined research agenda. GRC addresses the broader agenda of the industry through core research and the specific research agenda of individual members through custom research. While selections of core research projects are made by member community representatives familiar with the technical area in focus, selection of custom research projects are made by individual, eligible member companies. Custom research currently comprises about one-fifth of the overall research budget.

GRC may issue a call for white papers; promising projects result in requests for proposal. The typical result of a successful research proposal is a multi-year research contract with an initial 12-month funding term. At the end of the research contract period, researchers may re-compete for new support. Alternatively, GRC may issue a call for grant applications; in this case, successful submissions are funded as grants.

**GRC White Papers**

A white paper represents the initial step in a process that could result in the awarding of a research contract. Selected white papers will be followed by requests for proposal. Calls for white papers are made by each Thrust Area as research needs are identified and as funds are available. The response to the call should briefly address context, rationale, novelty, approach, anticipated results, engagement with industry, student participation, and funding requirements. See the call document for an explanation of these terms and for specific submission instructions.

Selection decisions are made by a review committee comprised of member company advisors and the technical staff.

**GRC Research Proposals**

Proposals must be submitted online upon receipt of an SRC Request for Proposal. Refer to the Proposal Submission Guide. Following the selection of a white paper by the review committee, a Request for Proposal is e-mailed to the researcher with the deadline for submission, a link to online proposal submission, and any proposal-specific instructions. Research proposals provide sufficient information to permit an evaluation of the intended research—its technical merits, innovative approach, and relevance to the GRC research agenda.
Research proposals, in turn, are evaluated by a review committee comprised of member company advisors and GRC technical staff. Selected research proposals are awarded research contracts. While authors of research proposals may presume that reviewers possess general technical knowledge in the relevant field, they should not assume that the merits of the proposed research are obvious (without explanation). Additionally, the capability of the institution to adequately support the proposed research, and the technical expertise of the researchers to conduct the research, should be justified.

Sponsored Research Agreement
The Sponsored Research Agreement (SRA) provides a framework for both implementing specific research plans and enhancing the communication of research results. It documents and conveys the needs and expectations of SRC Members and Participants while ensuring the protection of Intellectual Property (IP) rights.

Intellectual Property
SRC desires to protect IP rights vesting in you and your University emanating from sponsored research. In return for sponsoring the research, SRC receives certain IP rights. The primary goal of SRC’s IP policy is to provide Members and Participants freedom to practice the results of sponsored research. SRC’s Thrust Directors and industry representatives assist researchers in the identification of inventions that may be formally protected.

The SRA provides for IP license rights, which are sublicensed to Members and Participants. The license grant is worldwide, non-exclusive, non-transferrable, royalty free and includes the right to make, have made, use, or sell inventions, and to prepare software derivative works. In addition, SRC retains an option to negotiate an exclusive license. The University retains ownership of the IP and is free to license the IP to companies that are not SRC Members or Participants, subject to SRC’s option for an exclusive license. This license includes all IP that can be protected by patent, copyright, or another form of protection, including inventions, works of authorship, and mask works.

### 40. Simons Foundation

**Website Link:** [https://www.sfari.org/](https://www.sfari.org/)

**Deadline(s):** Rolling deadlines

**Support Strategies:** Autism Research, Mathematics, Physical Sciences

**Funding:** Varies

**Description:** Mathematics and Physical Sciences Research
The Simons Foundation’s Mathematics and Physical Sciences (MPS) division invites applications for its Targeted Grants in MPS program.

**Rationale**
The program is intended to support high-risk theoretical mathematics, physics, and computer science projects of exceptional promise and scientific importance on a case-by-case basis.

**Funding and Allowable Expenses**
The Targeted Grant in MPS program provides funding for up to five years. The funding level and duration is flexible and should be appropriate based on the type of support requested in the proposal. There is no recommended or assumed funding level for this program. Allowable expenses include:

- Up to one month of summer salary and related benefits per year for the PI and any co-Investigator(s).
- Domestic or international travel for the PI and co-Investigator(s).
- Research equipment, experiments, computations and other expenses directly benefiting the research.
- Salary support and related benefits, including tuition support, for staff/research scientists, postdoctoral fellows, and research associates, graduate students or undergraduate research assistants.

**Grants to Individuals**
- Simons Investigators
- Simons Fellows
- Collaboration Grants for Mathematicians
- Targeted Grants in MPS
- AMS-Simons Travel Grants
**Grants to Institutions**
- Simons Institute for the Theory of Computing
- Targeted Grants to Institutes
- NSF-Simons MathBioSys Initiative
- Africa Mathematics Project

**Conferences & Symposia**
- Conferences
- Symposia
- Lectures

**Simons Collaborations in MPS**
- Arithmetic Geometry, Number Theory, and Computation
- Cracking the Glass Problem
- Special Holonomy in Geometry, Analysis, and Physics
- The Nonperturbative Bootstrap

**Mathematical Modeling of Living Systems**
- Targeted Grants in MMLS
- Simons Investigators in MMLS

**Infrastructure**
MAGMA (Software download)

---

**41. (Alfred P.) Sloan Foundation**

**Website Link:** [http://www.sloan.org/](http://www.sloan.org/)
[https://sloan.org/grants/apply](https://sloan.org/grants/apply)

<table>
<thead>
<tr>
<th>Support Strategies: Information and Referral, Program evaluations, Public engagement and education, Regulation and administration, Research, Research and evaluation</th>
<th>Funding: Varies dependent upon funding opportunity; Sept. for Research Fellows</th>
</tr>
</thead>
</table>

**Deadline(s):** Rolling

**Description:** The Alfred P. Sloan Foundation makes grants primarily to support original research and education related to **science, technology, engineering, mathematics, and economics.** The Foundation believes that these fields—and the scholars and practitioners who work in them—are chief drivers of the nation's health and prosperity. The Foundation also believes that a reasoned, systematic understanding of the forces of nature and society, when applied inventively and wisely, can lead to a better world for all.

**Sloan Research Fellowships**
Must be early career tenure-track faculty in **chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics** or related field. 2-year fellowships to 126 researchers each year ($65,000)

**Up to 3 candidates can be nominated by a department.**

Apply through the foundation’s portal: [https://sloan.org/fellowships/apply](https://sloan.org/fellowships/apply)

The Foundation awards approximately 200 grants per year (excluding the Sloan Research Fellowships), totaling roughly $80 million dollars in annual commitments in support of research and education in science, technology, engineering, mathematics, and economics

**Programs Science**
- Economics
- Higher Education
- Digital Technology
- Public Understanding
- Working Longer
- Energy & Environment
- Initiatives
- Completed Programs

---

Page 31
Last edited Nov. 2019
### 42. Sloan Data and Computational Research Grant

**Deadline(s):** letter of inquiry accepted year-round  
**Previous Grants:** [https://sloan.org/grants-database?setsubprogram=8](https://sloan.org/grants-database?setsubprogram=8)  
**Support Strategies:** software, training, research and community grants  
**Funding:**  

**Description:** To accelerate scientific discovery by helping researchers fully exploit the opportunities created by recent advances in our ability to collect, transmit, analyze, store, and manipulate data.  

**Strategy**  
Grantmaking aims to  
- Support the efficient management and sharing of research data and code from acquisition through analysis  
- Grow the current and future scientific data workforce.  

Grants in this program tend to fall into four broad types:  
- Software grants support technology development ranging from prototyping funds to substantial scaling resources;  
- Training grants aim at supporting work force training and curricular initiatives as well as targeted adoption of new technologies by specific communities;  
- Research grants bring historical, ethnographic, and economic research methods to bear on our understanding of scholarly activities in a changing technological context;  
- Community grants build networks for knowledge exchange across disciplines as well as institutions that serve to incubate sustainable research and software projects. Interested scholars should submit a **letter of inquiry** of no more than two pages to program director Joshua M. Greenberg.  

**Research Development Notes:**

### 43. Sony Research Award Program - Focused Research Award and Faculty Innovation Award

**Website Link:** [https://www.sony.com/research-award-program](https://www.sony.com/research-award-program)  
**Deadline(s):** September  
**Support Strategies:** Research  
**Funding:** Upper $150,000  

**Description:** As part of one of the world’s most innovative and recognizable brands, Sony is committed to supporting university research and innovation in North America, while also fostering partnerships with university faculty and researchers.  

**Faculty Innovation Award** [https://www.sony.com/research-award-program#FacultyInnovationAward](https://www.sony.com/research-award-program#FacultyInnovationAward)  
Up to $100K in funds to conduct cutting-edge research in Sony’s general areas of interest  

**Focused Research Award** [https://www.sony.com/research-award-program#FocusedResearchAward](https://www.sony.com/research-award-program#FocusedResearchAward)  
Up to $150K in funds to conduct research in the areas of Sony’s immediate interest  

**Submission Guidelines** [https://www.sony.com/research-award-program#SubmissionGuidelines](https://www.sony.com/research-award-program#SubmissionGuidelines)  

---

**Page 32**  
Last edited Nov. 2019

Provided by the Research Development  
Stacey L. Smith@baylor.edu X3252 or  
Virginia Kearney@baylor.edu X6833
Current Interests:

**Advanced Image Processing enabled by AI**

Sony is looking for innovative research in image processing that is based on machine learning to significantly improve existing image processing techniques and applications.

**Volumetric/Holographic Display System**

As immersive visual experiences such as VR and AR become popular, the recordable field of view (FoV) is now expanded to 360 degrees. Furthermore, the degrees of freedom of the viewpoint is also increased by storage of the light field or 3D modeling of the object. While display systems are also evolving with this advancing freedom for visual representation, there is still room to extract its full potential. Sony believes it can create new customer value if a display system can be developed which enhances visual expression at a practical cost and size.

**Non-verbal Interaction between a Virtual Human and the Real World**

Due to the growing interest in VR/AR, creating a realistic virtual human (3D human model) is attracting much attention in both academia and industry. This endeavor has benefited greatly from the collaboration of computer graphics, computer vision, and machine learning. However, current efforts are mainly focused on improving the accuracy of geometry, photometry, and kinetics, with less attention paid to the ability to naturally interact with the real world. As a result, current virtual humans can only play a limited role in potential applications like free-view-point, virtual agent, and telepresence in which interaction, especially non-verbal interaction, is a highly desirable experience for communication between a virtual human and a real human.

**Higher-order Attribute Recognition of Indoor 3D Scenes and Objects**

The application of machine learning techniques to object recognition in 3D environments has become a very active field recently. Furthermore, higher-order attribute recognition such as "object part recognition," "recognition of the function of an object or parts," "recognition of the material of an object or parts" is a new outgrowth of this effort. Sony has developed cameras and depth sensors that acquire information from a 3D environment, display devices that present 3D visual information to humans, VR/AR systems, and robots that actively move around 3D environments.

**3D/4D Semantic Scene Understanding**

Deep learning has shown its power to solve pixel-wise semantics, depth, flow, and detection problems. However, many of the problems are still solved in 2D planes, and there still remain challenges about how to efficiently combine the scene understanding in a 3D environment (including temporal for 4D). Novel methods to combine SLAM, semantic segmentation and panoptic segmentation methods are therefore needed to solve real-world problems.

**Machine Learning based Detection and Classification utilizing mm-Wave Radar**

Machine learning and deep learning approaches have demonstrated remarkable performance gains in speech and image recognition applications. It is thus conceivable that these approaches could also benefit the performance of mm-Wave radars, where the detection of targets still needs to be improved for efficient and robust sensing. Furthermore, similar performance enhancements may be applicable to sensor fusions, which is key to reliable self-driving cars.

**5G Radio Access for Robotics Applications**

Sony is seeking wireless communication technologies based on the 5G cellular network for robotics applications.

**Industrial IoT (Internet of Things).** In order to support human/robotics to robotics communications in the future, new applications (e.g., remote robotics control, automated robotics operation, etc.) must be realized. Solutions should achieve the desired performance such as much higher reliability (e.g., 10-6 block error rate at 256+ bytes) and lower latency (1 msec round trip time) in comparison to existing technologies such as the 4G cellular network.

**Novel Actuator**

The actuator is one of the key components for robotic applications. The combination of an electromagnetic motor, reduction gears such as a harmonic drive, and an encoder should be the most popular way to construct an actuator; but it is still heavy and expensive. To make robots ubiquitous, a new actuator that is safer and less costly is strongly demanded, where a new driving principle other than electromagnetism is employed, and the gear reduction mechanisms are integrated.
Non-Camera-Based Position Tracking
Position tracking finds important applications in sports, arts, entertainment, and navigation. In order to improve position tracking reliability, it is possible to employ the fusion of different sensor technologies such as accelerometers, gyroscopes, IMUs, velocity sensors, odometers, magnetometers, barometers, etc. Cutting-edge technologies could improve the performance of position tracking by (i) the advancement of sensor units by new physical methods, unique materials, and innovative fabrication techniques, and/or (ii) smart fusion technologies and smart computational algorithms.

3D Generic Real-World Object Recognition
Object recognition is one of the key technologies for AR which can provide a variety of useful information to users in support of daily activities. However, current object recognition technologies, which are primarily based on 2D vision recognition algorithms, have limitations in detecting the 3D shape of objects, including curved surfaces. Sony ideally seeks a technology that can recognize a real-life 3D generic object as it appears in a wide variety of scenes in order to display more accurate and advanced information to users.

High-Precision Sensing Technology of Human Body Motion in Living Spaces
There are systems that detect the motion of human bodies and provide functions adaptively. However, the type of motion detected by ordinary image recognition is limited, making it difficult to realize a system that understands the user's conscious and unconscious behavior. If one could sense the motion of the human body with high accuracy in the living space continuously and constantly, one would be able to realize a system that comfortably carries out advanced support for all the behaviors of living.

High-Robustness Hand and Finger Recognition Technique
When considering various applications for mobile and wearable devices, various interactions are made possible by recognizing the movements of a user’s hand with high accuracy. Advanced sensing techniques are required to capture the dynamic movement of hands and the delicate movement of fingers. Key criteria for technical performance are accuracy and robustness. Moreover, for mobile and wearable devices, it should not be environmentally fixed, but be fully compatible with portable recognition technology, so that the range of future experiences of HCI will be greatly expanded by such technology.

Optical See-through Display for AR/MR Glasses
AR/MR (augmented reality/mixed reality) eyewear technology is evolving rapidly. One of the big challenges to achieve high viewing reality and wearing comfort is to realize a compact AR/MR see-through eyewear display with a wide field of view. It is well-known that there are trade-offs between the size of AR/MR optics and the field of view provided as well as between optical efficiency and see-through transmittance.

44. Unreal Dev Grant Application Form
Website Link: https://www.unrealengine.com/en-US/unrealdevgrants
Deadline(s): Rolling
Support Strategies: Unreal development grants for working prototype games, education and other
Funding: Awards range from $5,000 to $50,000

Description: Epic has created a $5,000,000 development fund to provide financial grants to innovative projects built in and around Unreal Engine 4. Awards range from $5,000 to $50,000, and there are no strings attached: you continue to own your IP, are free to publish however you wish and can use the grant funds without any restrictions or obligations to Epic. Since the program's launch in February 2015, Epic has awarded a total of $1.2 million to developers for their work. Simply put, we succeed when you succeed. Unreal Dev Grants can give you the boost you need to take your project beyond the working prototype. Epic wants to help you focus more on creation and worry less about keeping the lights on.

WHO ARE WE LOOKING FOR?
Anyone making cool things with UE4 We like games, of course, but we also want to see animated features, architectural visualizations, Marketplace content, mods - anything that makes us say "whoa." Projects at the working prototype stage and beyond are best. If you're at the design doc or scriptwriting stage, keep going.

Students and educators
We'd love to see class projects, engine extensions, curricula, tutorials, or any other creative or innovative work related to UE4 and education. Submit your application for consideration here. To find out more, head on over to the FAQs or jump into the discussion in our Unreal Dev Grants forum thread.

### 45. VentureWell

**Website Link:** [https://venturewell.org/faculty-grants/](https://venturewell.org/faculty-grants/)

**Recent Grants:** [https://venturewell.org/portfolio-category/faculty-grants/](https://venturewell.org/portfolio-category/faculty-grants/)

**Deadline(s):** Fall

**Support Strategies:** STEM education grants

**Funding:** $30,000

**Description:** VentureWell Faculty Grants provide up to $30,000 to help fund and support faculty with innovative ideas to create new or transform existing courses and programs to help students develop novel, STEM-based inventions and gain the necessary entrepreneurial skills needed to bring these ideas to market.

We will be seeking proposals for areas that will support the emerging generation of inventors and innovators and the i&e ecosystems critical to their success.

Successful grant proposals include:

- A focus on technology entrepreneurship
- Experiential learning by doing, and creative approaches to solving real world problems,
- The formation of student teams focused on technology inventions with positive social and/or environmental impact
- A supportive entrepreneurial ecosystem for student teams to pursue commercialization
- A plan for continuation of the course or program after VentureWell funding

For questions please contact: grants@venturewell.org

### 46. Vodafone Americas Foundation

**Website Link:** [https://vodafone-us.com/wireless-innovation-project/](https://vodafone-us.com/wireless-innovation-project/)

**Deadline(s):** Application opens in October or Nov.

**Support Strategies:** Innovation in wireless technology

**Funding:** $100,000, $200,000 and $300,000

**Description:** The Vodafone Americas Foundation™ is part of Vodafone’s global network of foundations. We are affiliated with Vodafone, one of the world’s leading mobile telecommunications companies that operates in over five continents and has a significant presence in Europe, the Middle East, Africa, Asia Pacific, and the United States.

**About the Wireless Innovation Project™**

The Vodafone Americas Foundation™ designed the Wireless Innovation Project™ as a competition to promote innovation and increase implementation of wireless-related technology for a better world. Total awards up to $600,000 will be available to support projects of exceptional promise that meet our eligibility criteria. The application period usually opens in October or November — check the online application for exact dates.

**Types of Projects We Are Seeking**

The Vodafone Wireless Innovation Project™ (the “competition”) seeks to identify and fund the best innovations using wireless related technology to address critical social issues around the world. Project proposals must demonstrate significant advancement in the field of wireless-related technology applied to social benefit use.
The competition is open to projects from universities and nonprofit organizations based in the United States. Although organizations must be based in the United States, projects may operate and help people outside of the United States.

- Applicants must demonstrate a multi-disciplinary approach that uses an innovation in wireless-related technology to address a critical global issue in one or more of the following areas:

**Social Issue Areas**
Access to communication
Education
Economic development
Environment
Health

**Technical Issue Areas**
Connectivity
Energy
Language or Literacy hurdles
Ease of use

- The project must be at a stage of research where an advanced prototype or field/market test can occur during the award period.
- The technology should have the potential for replication and large-scale impact.
- Teams should have a business plan or a basic framework for financial sustainability and rollout.

**How to Submit a Proposal**
To submit a proposal, Applicants must first successfully complete the Eligibility Questionnaire. Eligible Applicants will then receive the URL for the online application via e-mail and be asked to create a username and password which will enable them to work on their proposal online. The application consists of multiple narrative questions and a project budget spreadsheet that Applicants must complete and submit. All information must be submitted through the online application.

---

**47.XPrize Competitions**

<table>
<thead>
<tr>
<th>Website Link:</th>
<th><a href="https://www.xprize.org/">https://www.xprize.org/</a></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><a href="https://www.xprize.org/news">https://www.xprize.org/news</a></td>
</tr>
<tr>
<td></td>
<td><a href="https://www.xprize.org/about/what-is-an-xprize">https://www.xprize.org/about/what-is-an-xprize</a></td>
</tr>
</tbody>
</table>

**Support Strategies:** team challenges for solving world problems like water, literacy, carbon emissions, ocean discovery, AI innovation

**Funding:** Varies by level of challenge, the first competition gives 50 teams $10,000; winners then get larger amounts ($100,000 to $500,000) to go further

**Deadline(s):** Various

**Description:** At XPRIZE, we recognize two significant moments that are currently upon us with profound implications for humanity. First, that individuals are rapidly becoming more empowered to invent and innovate using democratized technologies—e.g., AI, robotics, 3D printing, the blockchain, sensors, biotech, big data, etc.—that only a few short decades ago were capabilities only afforded by large governments and big organizations. And second, that these individuals are getting digitally connected to one another across the globe, thus enabling the formation of small, powerful, and agile teams that are able to collaborate and innovate in ways we, the human race, have never experienced. An XPRIZE is a highly leveraged, incentivized prize competition that pushes the limits of what’s possible to change the world for the better. It captures the world’s imagination and inspires others to reach for similar goals, spurring innovation and accelerating the rate of positive change.

An XPRIZE must meet the following criteria:

- They have a variety of competitions, and you can sign up to receive news about new competitions here: https://www.xprize.org/about

**BOLD AND AUDACIOUS GOAL**

Pushes the boundaries of human potential by focusing on problems currently believed to be unsolvable, or that have no clear path toward a solution.
TARGET MARKET FAILURE
Targets a range of market failures: (1) no capital is being spent, (2) capital is being spent, but without the desired result, (3) no capital is being spent because nobody knows it’s a problem, (4) the problem is known, but no one can imagine that it’s not already being addressed, (5) No one is addressing because a solution is thought to be impossible.

DEFINE THE PROBLEM VS. THE SOLUTION
Solution-agnostic, defining the challenge and incentivizing teams around the world to find the most effective solutions.

AUDACIOUS, BUT ACHIEVABLE
While a competition must be bold and difficult, it must also be achievable to ensure that teams believe that they can win.

WINNABLE BY A SMALL TEAM
Should be able to be won by teams ranging from industry experts to well-funded high school students who don’t know what they can’t do.

REASONABLE TIME FRAME
Designed to affect the foreseeable future, so a duration of two to seven years is essential to allow teams enough time to succeed while ensuring momentum and that industry will not outpace the competition.

CLEAR, OBJECTIVE AND SIMPLE RULES
Clearly defined finish line with easy-to-understand rules and goals that are measurable and understandable by all.

TELEGENIC AND EASY TO CONVEY
The winning of the competition itself is interesting and compelling and has innate narratives that are able to be conveyed easily to our audiences.

LEVERAGABLE
Provides leverage for a sponsor’s investment by driving additional support of a solution by shifting risk from sponsors to competitors, prizes attract investments of capital and time from motivated participants, and when prizes produce vetted solutions, they can attract further investment.

DRIVE INVESTMENT
Enable innovators to attract capital, support and team members

CREATE "BACK END" BUSINESS
Should give birth to a new industry or transform/revitalize an existing one with long-lasting benefits.

PROVIDE VISION AND HOPE
Inspires hope through our vision of a better future where winning teams are the proof that the world’s seemingly impossible problems can be solved.

Vision + Demonstration of Breakthrough=Hope

COMPETITION STRUCTURE
After the registration period, XPRIZE will have two rounds of testing and judging:

- **Round 1:** All registered Teams will create a solution prototype
- **Round 2:** Up to five Teams from Round 1 will be shortlisted for a next and final round of testing wherein the teams must achieve the final objective as described in Competition Overview above.

WHO CAN PARTICIPATE?
XPRIZE believes that solutions can come from anyone, anywhere. Scientists, engineers, academics, entrepreneurs, and innovators with new ideas from all over the world are invited to form a team and register to compete. To participate, a team may need to recruit additional experts and can add new members at any time throughout the competition. Competing teams will own the Intellectual Property of their submissions.