

## Grant Opportunities

November 2017

In an effort to better inform faculty and staff about grant opportunities, this report will be updated monthly providing a high-level glimpse at funding possibilities for which projects could be developed that are consistent with BCTC's strategic plan and annual priorities.

### Federal Grants

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**Title:** [2018 Environmental Workforce Development and Job Training](#)

**Sponsor:** United States Environmental Protection Agency

**Due Date:** December 15, 2017

**Maximum Funding Amount and Duration:** \$200,000 over a three-year period

**Description:**

These grants are provided to eligible entities to develop environmental programs that recruit, train, and place unemployed and under-employed residents of communities affected by brownfields and other environmental contaminants with the skills needed to secure full-time, sustainable employment in the environmental field and in assessment and cleanup work taking place in their communities.

The EPA encourages applicants to develop their curricula based on local labor market assessments and employers' hiring needs, while also delivering comprehensive training that results in graduates securing multiple certifications.

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**Title:** [2018- Public Safety Innovation Accelerator Program – User interface](#) (NIST-PSIAP-UI)

**Sponsor:** Department of Commerce – National Institute of Standards and Technology

**Due Date:** Pre-applications due Dec 29, 2017 – Full applications due March 27, 2018

**Special notes:** Only select applicants will be invited to submit a full application

**Maximum Funding Amount and Duration:** A total of \$100,000 to \$600,000 for up to 2 years

**Description:**

The PSIAP-UI seeks applications for activities to accelerate research, development, production, and testing of user interface technologies and capabilities through the use of virtual reality (VR) and augmented reality (AR). The purpose of this notice of funding opportunity is to implement technology that will enable public safety communications research (PSCR) to test user interfaces to enhance public safety communication. Awardees will achieve this by creating new technology or applying current technology to the specific public-safety use case. Awardees will conduct research to support testing user interfaces within an AR/VR environment and ensure the results are transferable to real-world implementations.

Augmented Reality and Virtual Reality simulation systems have been used in a variety of industries including military, first responders and by teachers to inspire students through immersive experiences. AV and VR offers new opportunities to develop and test technology for

public safety operations and communications. Specific research areas in this funding opportunity include cognitive load, physical strain, content, user interface attributes and delivery, measurement capabilities and testing methodologies. The funders anticipate funding proposals in research and development areas for researching the effectiveness and the transferability of AR/VR user interface testing. Applicants are encouraged to identify additional research and development areas that support testing user interfaces in an AR/VR environment and ensure that the impacts are transferable to real-world scenarios.

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**Title:** [Cyberlearning for Work at the Human-Technology Frontier](#)

**Sponsor:** National Science Foundation

**Due Date:** January 8, 2018

**Maximum Funding Amount and Duration:** Total funding amount of \$750K over 2-3 years.  
(Estimated number of 20 awards)

**Description:**

The purpose of the Cyberlearning for Work at the Human-Technology Frontier program is to fund exploratory and synergistic research in learning technologies to prepare learners to excel in work at the human-technology frontier.

Learning technology research in this program should be informed by the convergence of multiple disciplines: education and learning sciences, computer and information science and engineering, cognitive, behavioral and social sciences. This program funds learning technology research in STEM and other foundational areas that enable STEM learning.

This program solicits projects that are exploratory and experimental in nature. These projects should explore proof-of-concept or feasibility of a novel or innovative learning technology. The program encourages projects that try out new ideas, especially risky ones. A primary goal of the program is to investigate innovative technologies for STEM learning and teaching within the educational and work settings, to include pervasive lifelong learning with technology.

***The funders encourage projects that:***

1. Design and develop future learning environments to educate or re-educate workers for new work environments and experiences in collaboration with advanced technology
2. Develop relevant formal and informal learning experiences as well as just-in-time training on the job
3. Support the needs of diverse workers from a broad set of backgrounds and experiences
4. Support the future work of teachers in classrooms and other related settings

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**Title:** [Campus Cyberinfrastructure](#)

**Sponsor:** National Science Foundation

**Due Date:** Jan 30, 2018

**Maximum Funding Amount and Duration:** Dependent upon program area (see below)

**Description:**

The Campus Cyberinfrastructure program invests in coordinated campus-level networking improvements, innovation, integration, and engineering for science applications and distributed research projects. Learning and workforce development (LWD) in cyberinfrastructure is explicitly addressed in the program. Science-driven requirements are the primary motivation for any proposed activity.

***Awards will be supported in four program areas:***

1. Data Driven Networking Infrastructure for the Campus and Researcher awards will be supported at up to \$500,000 total for up to 2 years
  2. Network Design and Implementation for Small Institutions awards will be supported at up to \$750,000 total for up to 2 years
  3. Network Integration and Applied Innovation awards will be supported at up to \$1,000,000 total for up to 2 years
  4. Network Performance Engineering and Outreach awards will be supported at up to \$3,500,000 total for up to 4 years
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**Non-Federal Grants**

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**Title:** [Early Childhood Grants \(Early Childhood Welfare, Early Childhood Education, Parenting Education\)\\*](#)

**Sponsor:** Caplan Foundation for Early Childhood

**Due Date:** Letter of Inquiry Due January 31, 2017

**Maximum Funding Amount and Duration:** Award amount is unspecified, but many awards ranged from \$20k to \$50K.

**Special Notes:**

Policy on Funding Indirect Expenses for Grants – “The Foundation will not fund the general allocation of indirect expenditures to a project. The Board will only approve up to 15% of the project’s direct expenditures for general and administrative expenses that are required for the successful completion of the project.”

Policy Regarding Multiple Year Funding Requests – “Consistent with the Foundation’s mission, as an incubator of innovative research and development directed to improving the general welfare of young children, we will not fund more than the first year of multiple year projects.”

**Description:**

The foundation provides grants for innovative, creative projects and programs that will significantly enhance the development, health, safety, education or quality of life of children from infancy through five years of age. The foundation provides funding in Early Childhood

Welfare, Early Childhood Education and Play, and Parenting Education. Each grant is made with the expectation that a successful project outcome will be of significant interest to other investigators or developers, within the grantee's field of endeavor, and will be amenable to beneficial application or adaptation elsewhere. In essence, the foundation's goal is to provide seed money for those imaginative endeavors, addressed to the needs of young children, which appear most likely to bear fruit on a national scale.

***The foundation will not fund:***

- The operation or expansion of existing programs
- The purchase or renovation of capital equipment, existing software or programmatic materials
- Single events
- The creation or acquisition of works of art or literary works
- Organizations that discriminate based on race, color, creed, national origin or sexual orientation
- Individuals or for-profit entities
- Political organizations
- Programs with any religious content
- Organizations headquartered outside the United States

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*If you have questions or would like more information about a grant opportunity, contact Brandon Campbell at 859-246-6517 or [bcampbell0088@kctcs.edu](mailto:bcampbell0088@kctcs.edu)*