

2018

# ORDA Weekly Update, 2018 07 30

Office of Research Development and Administration

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## Office of Research Development and Administration

### Events & Deadlines

**July 30, 2018**

### Internal Awards

James H. Brickley Award

The purpose of the James H. Brickley Award is to facilitate faculty professional development and innovation through a broad range of activities, including but not limited to, things such as:

- Reassigned time from teaching for scholarly, creative and innovative endeavor
- Conference presentations
- Travel
- Hiring of research assistants
- Purchase of special equipment or supplies for teaching, scholarly, research, creative, or innovative activities
- Development of a grant proposal for external funding
- Similar or related academic activities

Special emphasis is given to innovation, such as the application of newer techniques and technologies for creating mental health programs for immigrants, providing special workshops for parents with autistic children, or working with students, parents, teachers, and community leaders in addressing drug addiction.

<https://www.emich.edu/research/development/funding/brickley.php>

Next Deadline: October 2, 2018

## **Deadlines**

Department of Defense, Defense Advanced Research Projects Agency, Resilient Anonymous Communication for Everyone (RACE)

Notice seeking applications to research the area of cryptographic and communication obfuscation techniques in order to build an anonymous, attack-resilient mobile communication system that can reside completely within a network environment.

<https://www.fbo.gov/index?s=opportunity>

Next Deadline: Abstracts due August 14, 2018 ; Full Proposals September 18, 2018

National Science Foundation, Secure and Trustworthy Cyberspace

In today's increasingly networked, distributed, and asynchronous world, cybersecurity involves hardware, software, networks, data, people, and integration with the physical world. Society's overwhelming reliance on this complex cyberspace, however, has exposed its fragility and vulnerabilities that defy existing cyber-defense measures: corporations, agencies, national infrastructure and individuals continue to suffer cyber-attacks. Achieving a truly secure cyberspace requires addressing both challenging scientific and engineering problems involving many components of a system, and vulnerabilities that stem from human behaviors and choices. Examining the fundamentals of security and privacy as a multidisciplinary subject can lead to fundamentally new ways to design, build and operate cyber systems, protect existing infrastructure, and motivate and educate individuals about cybersecurity.

<https://www.nsf.gov/pubs/2018/nsf18572>

Next Deadline: Proposals accepted anytime

Department of Energy, Machine Learning for Geothermal Energy

The U.S. Department of Energy's Geothermal Technology Office (GTO) Machine Learning for Geothermal Energy funding opportunity announcement (FOA) supports projects that will develop new analytical tools for finding and developing geothermal resources and establish the practice of machine learning in geothermal operations. The rapidly advancing field of

Machine Learning (ML) offers substantial opportunities for technology advancement and cost reduction throughout the geothermal project lifecycle, from resource exploration to power plant operations.

Under this funding opportunity, GTO is interested in two topic areas: Topic 1: Machine Learning for Geothermal Exploration - GTO seeks projects that advance geothermal exploration through the application of machine learning techniques to geological, geophysical, geochemical, borehole, and other relevant datasets. Of particular interest to GTO are projects that will identify data acquisition targets and build community datasets for future work. Topic 2: Advanced Analytics for Efficiency and Automation in Geothermal Operations - GTO seeks projects that apply advanced analytics to power plant and other operator datasets, with the goal of improving operations and resource management.

<https://eere-exchange.energy.gov/> - Foaldbf185673-cdec-49cd-aabe-b152fd31e2d5

Next Deadline: White Papers due August 23, 2018 ; Full Applications November 1, 2018

National Endowment for the Humanities, Public Humanities Projects

Notice seeking applications to support projects that bring the ideas and insights of the humanities to life for general audiences through in-person programming. Projects must engage humanities scholarship to analyze significant themes in disciplines such as history, literature, ethics, and art history.

<https://www.neh.gov/grants/public/public-humanities-projects>

Next Deadline: August 29, 2018

National Institutes of Health, Diet and Physical Activity Assessment Methodology (R01 and R21, Clinical Trial Not Allowed)

Notice seeking applications to enhance the quality of measurements of dietary intake and physical activity. Projects may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors. Both R01 and R21 funding mechanisms are available.

<https://grants.nih.gov/grants/guide/pa-files/PA-18-856.html> (R01)

<https://grants.nih.gov/grants/guide/pa-files/PAR-18-857.html> (R21)

Next Deadline: R01, October 5, 2018 ; R21, October 16, 2018

Department of Defense, Improved Networking Through Embedded Processing and Sensing

Notice seeking white papers for research, design, development, test, evaluation and experimentation of innovative technologies and techniques for Improved Networking through Embedded Processing and Sensing. The objective is to develop, demonstrate, and evaluate new sources and methods for improving network connectivity and stability through embedded processing and sensing. This effort is expected to provide research and development activities to enhance warfighter mission capabilities and advance baseline performance beyond what is currently considered satisfactory.

<https://www.fbo.gov/index?s=opportunity>

Next Deadline: White papers due November 1, 2018

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