

2018

ORDA Weekly Update, 2018 03 19

Office of Research Development and Administration

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Office of Research Development and Administration Events & Deadlines

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March 19, 2018

Faculty Research Computing Needs Survey-coming soon!

The Research Design and Analysis Support (RDAS) Committee was recently formed as a resource for EMU faculty conducting qualitative and quantitative research. An important function of the committee is to provide direction for EMU on software and computing needs related to research and to provide direction in development of education (i.e., workshops or seminars) in areas of need. To carry out this function, the committee would like to hear from the faculty on research-related computing needs. Later this week, a link to a Faculty Research Computing Needs survey will be emailed to all EMU faculty. Please set aside a few moments (the survey should take about 5 minutes to complete) to help the RDAS Committee.

Deadlines

Office of Naval Research, Advancing Robotic Capability & Usability for Explosive Ordnance Disposal (EOD)

Notice seeking white papers supporting the development of technologies that can respond to all types of explosive threats, including chemical, biological, and nuclear, as well as improvised explosive devices in land and underwater environments. Funds support technology that can detect, locate, access, identify, render-safe and recover these explosive threats. Capability improvements sought include: dual manipulators (arms and end effectors) that can work together to plan and execute bi-manual tasks that require a high level of dexterity; end effectors (hands) that can use the sense of touch to interpret and visualize the shape and texture of an explosive threat or object when external sensors are not available; and end effectors that can sense and understand changes in the weight and temperature profiles as the explosive threat or object is being lifted or moved.

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=300996>

Next Deadline: April 13, 2018

National Institute of Justice, Research and Evaluation on Hate Crimes

The purpose of this solicitation is to support research and evaluation to: (1) understand the motivations and pathways to hate crime offending; (2) determine whether programs targeted at hate crime offenders are effective at reducing reoffending; (3) determine whether programs that work with victims of hate crimes and their communities are effective at reducing the harms caused by hate crimes; and (4) provide information that will improve investigative and prosecutorial outcomes.

<https://nij.gov/funding/Documents/solicitations/NIJ-2018-13961.pdf>

Next Deadline: May 03, 2018

National Institute of Justice, Research and Evaluation on Decision-making

NIJ seeks proposals for research and evaluation projects to identify the combination of attributes specific to the individual law enforcement officer that causes them to make the decisions governing their actions during encounters with the public. Specifically, NIJ is interested in identifying those combinations of attributes tending to lead to successful encounter outcomes; as well as those tending to lead to unsuccessful outcomes. NIJ is also interested in understanding how the outcomes associated with a specific combination of attributes may differ based on the type of encounter; including understanding how the importance of specific attributes may vary based on the type of encounter.

<https://nij.gov/funding/Documents/solicitations/NIJ-2018-14065.pdf>

Next Deadline May 7, 2018

National Science Foundation, TRIPODS + X Program

The National Science Foundation's (NSF's) Directorates for Computer & Information Science & Engineering (CISE) and Mathematical & Physical Sciences (MPS) recently launched the Transdisciplinary Research in Principles of Data Science (TRIPODS) Phase I program with the goal of promoting long-term, interdisciplinary research and training activities that engage theoretical computer scientists, statisticians, and mathematicians in developing the theoretical foundations of data science. Twelve TRIPODS Phase I Institutes were established in FY17

The *Partnerships between Science and Engineering Fields and the NSF TRIPODS Institutes (TRIPODS + X)* solicitation seeks to expand the scope of the TRIPODS program beyond the foundations community by engaging researchers across other NSF disciplines and the TRIPODS research teams in collaborative activities. TRIPODS + X projects will foster relationships between researchers in science & engineering domains and foundational data scientists by leveraging existing NSF investments in the TRIPODS organizations. Working in concert with a TRIPODS organization, a TRIPODS + X project would focus on data-driven

research challenges motivated by applications in one or more science and engineering domains or other activities aimed at building robust data science communities.

<https://www.nsf.gov/pubs/2018/nsf18542>

Next Deadline: May 29, 2018

North Atlantic Treaty Organization, Science for Peace and Security Programme

Supports research collaborations between scientists in NATO countries. Research priorities focus on enhancing the defense against terrorism and addressing other threats to security, including explosives detection, physical protection from chemical, biological, radiological or nuclear agents, emergency preparedness, cyber defense, and environmental security. Grants support workshops, training, and multi-year projects and cover travel and living expenses of investigators where basic costs will be covered by national funding.

https://www.nato.int/cps/en/natohq/topics_85373.htm

Next Deadline: June 1, 2018

Environmental Research and Education Foundation, Grants Program

Supports research and education on solid waste management, greater sustainability, environmental stewardship, efficiency and increased knowledge. Solicited proposals must respond to annual research agendas. Focus areas include: waste minimization; recycling; waste conversion to energy, biofuels, chemicals or other useful products; strategies to promote diversion to higher and better uses; and landfilling.

<https://erefdn.org/research-grants-projects/>

Next Deadline: June 1, 2018

National Endowment for the Humanities and Institute of Museum and Library Services, Digital Humanities Advancement Grants

Digital Humanities Advancement Grants (DHAG) support digital projects throughout their lifecycles, from early start-up phases through implementation and long-term sustainability. Experimentation, reuse, and extensibility are hallmarks of this grant category, leading to innovative work that can scale to enhance research, teaching, and public programming in the humanities.

<https://www.neh.gov/grants/odh/digital-humanities-advancement-grants>

Next Deadline: June 5, 2018

National Historical Publications and Records Commission, Publishing Historical Records in Documentary Editions

The National Historical Publications and Records Commission (NHPRC) of the National Archives supports projects that promote access to America's historical records to encourage understanding of our democracy, history, and culture.

<https://www.archives.gov/nhprc/announcement/editions.html>

Next Deadline: Optional Draft, April 4, 2018 ; Final Proposal, June 13, 2018

National Science Foundation, Improving Undergraduate STEM Education

The goal of the IUSE:EHR Program is to catalyze colleges and universities and their faculties to provide highly effective, evidence-based teaching and learning experiences for their undergraduate students taking STEM courses. It supports the development and use of practices that are rooted in a solid research base. In pursuit of this goal, IUSE: EHR supports a broad range of projects on two tracks. The Engaged Student Learning track supports the development, use, and testing of instructional practices and curricular innovation that engage and improve student learning and retention in STEM. The Institutional and Community Transformation track supports efforts to increase the propagation of highly effective, evidence-based teaching and learning by promoting this activity broadly at the discipline, academic department, and institutional levels. IUSE: EHR, managed by the Education and Human Resources Directorate, is one component of NSF's larger cross-directorate investment in improving undergraduate STEM education

<https://www.nsf.gov/pubs/2018/nsf18049>

Next Deadline: Exploration and Design proposals may be submitted at any time.

Statistical Consultation

ORDA welcomes back Dr. Grigoris Argeros (Sociology Anthropology Criminology) and Dr. Kathy Chu (Mathematics) as Faculty Associates for research statistics. Consultation is available for faculty, as well as graduate students working with faculty on independent research projects and theses with the goal of publication of results.

Contact Orda_stats@emich.edu for more information or to schedule an appointment.

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Contact Us

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