2018

ORDA Weekly Update, 2018 03 12

Office of Research Development and Administration

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Events & Deadlines

March 12, 2018

Faculty Scholarly and Creative Activity Showcase

The faculty research showcase and strolling reception will celebrate faculty and their recently disseminated research, scholarly, and creative activities. Tenured and tenure-track faculty will display posters, books, artwork, videos or compact discs (CD) of performing art, etc., that highlight scholarly/creative activities that were disseminated during the 2017 calendar year. Heavy appetizers will be served.

RSVP: https://goo.gl/forms/n1UVR328CiTTRGpk1

Thursday , March 15 (4:30-6:30pm); Halle Library Carillon Room

Workshops

Logistic Regression Using SPSS

Logistic regression is used when the dependent variable is dichotomous. As a result, the interpretation of the results differs from those of multiple regression. This workshop will give a hands-on introduction on how to carry-out logistic regression using SPSS, as well as interpreting the results.

Tuesday, March 13 OR Wednesday March 14 (2:00-3:30pm); G07B Halle Library

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?oppId=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 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 (see https://www.nsf.gov/news/news_summ.jsp?cntn_id=242888).

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

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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Caryn Charter, Director

Office of Research Develop.m.ent and Administration

Eastern Michigan University

200 Boone Hall

Ypsilanti, Michigan 48197

Phone: 734.487.3090