

2018

ORDA Weekly Update, 2018 07 02

Office of Research Development and Administration

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Office of Research Development and Administration

Events & Deadlines

July 2, 2018

Deadlines

Michigan Health Endowment Fund, Healthy Aging Initiative

Americans are living longer, but with added years comes added risk: more than 40% of older adults are overweight, 80% have at least one chronic condition, and nearly half of individuals over the age of 85 have some form of dementia. Every older adult should have the opportunity to maintain their independence, and it's critical that healthcare providers and communities become better equipped to manage the challenges of our aging population. While Michigan has a strong network of healthy aging programs, the Health Fund's Healthy Aging grants seek to better integrate these services into the broader healthcare landscape and improve their capacity. We support projects that improve access to care, allow Michigan residents to age in place, and help communities build a culture of emotional support for older adults.

<https://www.mihealthfund.org/>

Next Deadline: August 2, 2018

National Endowment for the Humanities, Documenting Endangered Languages

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The Documenting Endangered Languages (DEL) program is a partnership between the National Endowment for the Humanities (NEH) and the National Science Foundation (NSF) to develop and advance knowledge concerning endangered human languages. Made urgent by the imminent death of an estimated half of the 6000-7000 currently used languages, this effort aims also to exploit advances in information technology. Awards support fieldwork and other activities relevant to recording, documenting, and archiving endangered languages, including the preparation of lexicons, grammars, text samples, and databases. DEL funding is available in the form of one- to three-year project grants as well as fellowships for six to twelve months. At least half the available funding will be awarded to projects involving fieldwork.

<https://www.neh.gov/grants/preservation/documenting-endangered-languages>

Next Deadline: September 18, 2018

National Science Foundation, Communications, Circuits and Sensing-Systems Program

The **Communications, Circuits, and Sensing-Systems (CCSS)** Program supports innovative research in circuit and system hardware and signal processing techniques. CCSS also supports system and network architectures for communications and sensing to enable the next-generation cyber-physical systems (CPS) that leverage computation, communication, and sensing integrated with physical domains. CCSS invests in micro- and nano-electromechanical systems (MEMS/NEMS), physical, chemical, and biological sensing systems, neurotechnologies, and communication & sensing circuits and systems. The goal is to create new complex and hybrid systems ranging from nano- to macro-scale with innovative engineering principles and solutions for a variety of applications including but not limited to healthcare, medicine, environmental and biological monitoring, communications, disaster mitigation, homeland security, intelligent transportation, manufacturing, energy, and smart buildings. CCSS encourages research proposals based on emerging technologies and applications for communications and sensing such as high-speed communications of terabits per second and beyond, sensing and imaging covering microwave to terahertz frequencies, personalized health monitoring and assistance, secured wireless connectivity and sensing for the Internet of Things, and dynamic-data-enabled autonomous systems through real-time sensing and learning.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505248

Next Deadline: Full Proposals accepted anytime

National Science Foundation, Electronics, Photonics and Magnetic Devices

The **Electronics, Photonics and Magnetic Devices (EPMD)** Program supports innovative research on novel devices based on the principles of electronics, optics and photonics, optoelectronics, magnetics, opto- and electromechanics, electromagnetics, and related physical phenomena. EPMD's goal is to advance the frontiers of micro-, nano- and quantum-based devices operating within the electromagnetic spectrum and contributing to a broad

range of application domains including information and communications, imaging and sensing, healthcare, Internet of Things, energy, infrastructure, and manufacturing. The program encourages research based on emerging technologies for miniaturization, integration, and energy efficiency as well as novel material-based devices with new functionalities, improved efficiency, flexibility, tunability, wearability, and enhanced reliability.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505250

Next Deadline: Full Proposals accepted anytime

National Science Foundation, Energy, Power, Control, and Networks

The **Energy, Power, Control, and Networks (EPCN)** Program supports innovative research in modeling, optimization, learning, adaptation, and control of networked multi-agent systems, higher-level decision making, and dynamic resource allocation, as well as risk management in the presence of uncertainty, sub-system failures, and stochastic disturbances. EPCN also invests in novel machine learning algorithms and analysis, adaptive dynamic programming, brain-like networked architectures performing real-time learning, and neuromorphic engineering. EPCN's goal is to encourage research on emerging technologies and applications including energy, transportation, robotics, and biomedical devices & systems. EPCN also emphasizes electric power systems, including generation, transmission, storage, and integration of renewable energy sources into the grid; power electronics and drives; battery management systems; hybrid and electric vehicles; and understanding of the interplay of power systems with associated regulatory & economic structures and with consumer behavior.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505249

Next Deadline: Full Proposals accepted anytime

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