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ORDA Weekly Update, 2018 04 23

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Recommended Citation
Office of Research Development and Administration, "ORDA Weekly Update, 2018 04 23" (2018). *ORDA Weekly Update*. 53.
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Events & Deadlines

April 23, 2018

Deadlines

National Science Foundation, Dear Colleague Letter Real-Time Learning and Decision-Making in Engineered Systems (Real-D)

Real-time learning and decision-making in engineering systems will play an increasingly critical role in modern engineering systems and infrastructures, including the smart grid, transportation and mobility, water distribution systems, healthcare logistics and delivery systems, advanced manufacturing, chemical and biological process systems, sensor networks, sustainable buildings, smart and connected communities, and dynamic control of transport processes. While complex engineering systems incorporate first principles based on physical models, they may not make full use of relevant information from real-time data. Exclusively data-driven approaches to complex engineering systems may lead to incorrect and uninformed decisions as they do not incorporate useful information from the engineering and physical models. A hybrid approach that uses real-time data, in conjunction with basic physical and engineering constraints, has the promise to overcome these limitations and can lead to significantly improved decision capabilities. With this Dear Colleague letter (DCL), the Directorate for Engineering of the National Science Foundation announces its interest in receiving EArly-Concept Grants for Exploratory Research (EAGER) proposals to support research in fundamental theory, algorithms, engineering principles, and applications for real-time learning and decision-making that may lead the way toward safe, reliable, and efficient data-enabled engineering systems. To encourage convergence research, proposals are expected to have (PI)s that (has)have complementary expertise and significant research background in: the domain of the specific engineering infrastructure systems under consideration; and in machine learning, optimization, systems modeling and control and/or data science.

https://www.nsf.gov/pubs/2018/nsf18063

Next Deadline: No deadline but for FY2018 funding, submit by June 1, 2018

National Science Foundation Faculty Early Career Development Program

Agency-wide program provides NSF's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education, and the integration of education and research within the context of their organizations' mission. Awards build a firm foundation for a lifetime of leadership in integrating education and research. BIO, CISE, EHR, proposals due 7/18; ENG proposals due 7/19; and GEO, MPS, SBE proposals due 7/20.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214

Next Deadline: July 18, 2018

National Endowment for the Humanities, Humanities Collections and Reference Resources

Grants support projects that address major challenges in preserving/providing intellectual access to humanities resources. NEH encourages digital projects that codify, unite, integrate, or aggregate humanities collections and resources. Projects may also develop a reference work or tool or integrate tools and reference works with digital collections to provide context to humanities materials and to facilitate discovery. Supports implementation awards up to $350,000 (3 years) and foundations planning awards up to $50,000 (2 years).

https://www.neh.gov/grants/preservation/humanities-collections-and-reference-resources

Next Deadline: July 19, 2018

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Contact Us

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