

FUNDING OPPs & INFO

For Hajim School Researchers



Feb. 15, 2016

EVENTS

NY-Battery and Energy Storage Technology Consortium

March 8, 2016. NY-BEST Pre-Conference Workshop. Doing Business in New York: A Primer for Energy Storage Companies - This pre-conference workshop will provide attendees with an overview of New York State's policies, programs, and markets impacting energy storage. We will discuss the State's Reforming the Energy Vision (REV) initiative, Clean Energy Fund, Clean Energy Standard and more. We will also provide attendees with insights on doing business in New York City, as well as provide information on the State's economic development funding opportunities. - See more at: <http://www.ny-best.org/page/capture-energy-2016-ny-best-annual-conference-and-meeting-agenda#sthash.owCPOfCV.dpuf>

March 9-10, 2016. NY-BEST Capture the Energy - Annual Conference and Meeting. Location: Marriott, 189 Wolf Road, Albany, NY 12205

<http://www.ny-best.org/civCRM/event/info?id=100&reset=1>

UR is a NY-BEST member so registration discounts apply.

This weekly message from Cindy Gary, Assistant Dean for Grants and Contracts, highlights research funding opportunities and announcements that are particularly relevant to Hajim School faculty, staff and students. If you have any questions, please contact cindy.gary@rochester.edu or call 253-5173.)

FUNDING OPPORTUNITIES

Internal Limited Submission

NEW GRANT: The Moore Inventor Fellows 2016

<http://www.moore.org/inventors>

Go to for information on limited submission - <https://www.rochester.edu/orpa/funding/limitedsub.html> (Instructions for submitting internal application: Internal applications must consist of (1) chair's letter, (2) research abstract, (3) biosketch or CV, (4) budget (if federal) and be submitted on the attached required forms).

Funding Level (funding & duration): \$675,000 over 3 years; *please note: host institutions will be required to make a contribution of \$50,000 in annual direct support of the candidate and fellows must be engaged in the pursuit of their invention at least 50% time for the duration of the three-year award.*

Deadlines: Internal February 26, 2016 May 1, 2016 – All application materials due external

Synopsis: The Gordon and Betty Moore Foundation is launching a competition to identify outstanding inventors who harness science and technology to enhance the conduct of scientific research, strengthen environmental conservation, or improve the experience and outcomes of patient care. The Moore Inventor Fellowships will focus on investment at a critical stage of research to capture opportunities that otherwise might be missed. Proposals will be evaluated on the demonstrated creative and technical potential of the inventor and the potential impact of the invention in the fields of science, environmental conservation, or patient care. Invention ideas should be at an early stage of development that requires funding for rapid progress such as providing a proof-of-concept or advancing an existing prototype.

Internal Limited Submission

National Science Foundation

I-Corps Node

NSF 16-539

<http://www.nsf.gov/pubs/2016/nsf16539/nsf16539.htm>

Organizations may only be a participant in one (1) proposal per deadline

Deadlines: Limited Submission/Internal Deadline: February 23, 2016 Go to for information on limited submission - <https://www.rochester.edu/orpa/funding/limitedsub.html> (Instructions for submitting internal application: Internal applications must consist of (1) chair's letter, (2) research abstract, (3) biosketch or CV, (4) budget (if federal) and be submitted on the attached required forms).

Funding: Track 1: I-Corps Node Development - new I-Corps Node awardees - to be supported at a level of up to: \$1,200,000 (years 1 and 2); \$900,000 (year 3); \$600,000 (year 4); \$300,000 (year 5)

Eligibility: The PI must be an academic Administrative Lead at the level of Dean or higher, preferably at the level of a provost or vice-president.

Synopsis: I-Corps Nodes will foster understanding on how to: 1) identify, develop and support promising ideas that can generate value, 2) create and implement tools, resources and training activities that enhance our nation's innovation capacity, 3) gather, analyze, evaluate and utilize the data and insight resulting from the experiences of those participating in regional programs and 4) share and leverage effective innovation practices on a national scale - to improve the quality of life for the U.S. citizenry. In addition, Nodes must identify and are expected to implement plans for sustainable scaling of their efforts beyond the duration of NSF support.

Funding

National Science Foundation

Dear Colleague Letter: Zika Virus 16-043

http://www.nsf.gov/pubs/2016/nsf16043/nsf16043.jsp?WT.mc_id=USNSF_179

The purpose of this Dear Colleague Letter is to announce that the EEID program is interested in receiving proposals relevant to the ongoing spread of the Zika virus. Proposals may be submitted through one of two routes: as a submission to the annual call for EEID proposals (http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5269&org=DEB&from=home) or as a RAPID proposal.

* Before submission of a RAPID proposal, you should send a one-page summary of the research project to zika@nsf.gov. That summary should include a statement of how the results of this research would be used to affect management of, or policies concerning, the spread of Zika virus WITHIN THE NEXT 12 MONTHS. Projects with a more extended time line should be submitted to the next EEID deadline.

Proposals that deal with disease etiology, pathophysiology, transmission from mother to fetus, transmission through sexual contact, development of diagnostics, or development of vaccines are not appropriate for submission to the EEID program. The National Institute of Allergy and Infectious Disease has also published a notice of interest concerning research on Zika virus: <https://grants.nih.gov/grants/guide/notice-files/NOT-AI-16-026.html>.

National Science Foundation

Partnerships for Innovation: Accelerating Innovation Research-Technology Translation (PFI: AIR-TT) 15-750

<http://www.nsf.gov/pubs/2015/nsf15570/nsf15570.pdf>

Deadline: Letter of Intent: March 1, 2016 (required), Full Proposal April 1, 2016

Funding: up to \$200,000 for 18 months per award

Synopsis: *See lineage requirement in program announcement. To move previously NSF-funded research results (ended no more than 6-years prior to April 1, 2016) OR be a current NSF award recipient. with promising commercial potential along the path toward commercialization. Projects are supported to demonstrate proof-of-concept, prototype, or scale-up while engaging faculty and students in entrepreneurial/innovative thinking. In addition to the PI, there must be at least one other participant on the with explicit business experience. The program outcomes will be more research discoveries translated onto a path toward commercial reality, more connections between faculty and persons knowledgeable about market need (e.g., potential customers, individuals with business experience, potential investors, etc.) and the engagement of faculty and students in entrepreneurial/innovative thinking.

National Science Foundation

Reminder of Supplement Target Date: April 1, 2016 REU/RET Supplements

National Science Foundation

National Robotics Initiative (NRI) NSF 16-517

<http://www.nsf.gov/pubs/2016/nsf16517/nsf16517.pdf>

Deadline: March 7, 2016 (next deadline January 12, 2017)

Funding: only one class of proposals, agency requirements and funding mechanisms dictate two ranges of consideration on this solicitation, by agency: NIH and USDA will consider projects comprising one or more investigators with budgets ranging from approximately \$100,000 to \$250,000 per year in direct costs averaged over the duration of the project, with durations of one to three years. NSF, NASA, and DARPA will consider projects comprising one or more investigators with budgets ranging from approximately \$100,000 to \$1,000,000 per year in total costs (direct and indirect) averaged over the duration of the project, with durations of one to three years. It is expected that the bulk of awards will be made at the smaller end of the range.

Synopsis: PI or Co-PI limit: 2 proposals . NRI – to accelerate the development and use of robots in the United States that work beside or cooperatively with people. Innovative robotics research and applications emphasizing the realization of such co-robots working in symbiotic relationships with human partners is supported by multiple agencies of the federal government including the NSF, NASA, NIH, USDA, DOD. The agencies have mission specific areas of interest. The purpose of this program is the development of this next generation of robotics, to advance the capability and usability of such systems and artifacts, and to encourage existing and new communities to focus on innovative application areas. Methods for the establishment and infusion of robotics in educational curricula and research to gain a better understanding of the long-term social, behavioral and economic implications of co-robots across all areas of human activity are important parts of this initiative. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science and technology development, deployment and use. Only one class of proposals will be considered in response to this solicitation; there will not be separate competitions for small, medium, and large proposals. Themes include: Social, Behavioral, and Economic; Sensing and Perception, Modeling and Analysis, Design and Materials, Communication and Interfaces, Artificial Intelligence, Cognition and Learning, Algorithms and Hardware, Application-Inspired, Platform-Specific, Assistive Technologies, STEM.

National Science Foundation

Critical Resilient Infrastructure Systems and Processes (CRISP)

<http://www.nsf.gov/pubs/2016/nsf16519/nsf16519.pdf>

Deadline: March 09, 2016

Funding: Type 1 Awards: Projects will be of 2 years in duration with a maximum total budget of \$500,000.

Type 2 Awards: Projects will be of 3-4 years in duration with a total budget ranging from \$1 million to \$2.5 million.

Synopsis: Out of ENG CMMI, seeks to fund projects likely to produce new knowledge that can contribute to making ICI services more effective, efficient, dependable, adaptable, resilient, safe, and secure, taking into account the human systems in which they are embedded. Successful proposals are expected to study

multiple infrastructures focusing on them as interdependent systems that deliver services, enabling a new interdisciplinary paradigm in infrastructure research. To meet the interdisciplinary criterion, proposals must broadly integrate across engineering, computer, information and computational science, and the social, behavioral and economic sciences. Proposals that do not meet this criterion will be returned without review.

NIST SBIR

<http://www.nist.gov/sbir>

2016-NIST-SBIR-01

<http://www.nist.gov/tpo/sbir/upload/FY16-Phase-I-SBIR-FFO-final.pdf>

Deadline: April 14, 2016

Funding: Phase I awards of no more than \$100,000 each, up to 7 month duration. Can sub 1/3.

Synopsis: See NIST FY 2016 SBIR program topics – small company must be lead applicant.

***To view the SBIR/STTR agency calendars and links go to: <http://www.zyn.com/sbir/>**

Department of Energy

Computational Materials Sciences

DE-FOA-0001528

URL:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Deadlines: LoI (mandatory) due 03/07/16; Full Proposal due 04/25/2016

Amount: min. \$1,500,000 p/year and max. \$2,500,000 p/year for up to 4 years.

Synopsis: Office of Basic Energy Sciences (BES) of the U.S. Department of Energy (DOE) announces its interest in receiving applications in Computational Materials Sciences proposing integrated, multidisciplinary teams that will perform research to develop validated community codes and data bases for predictive design of functional materials, excluding structural materials. Computational Materials Sciences Teams could also involve new approaches to enhance the use of large data sets derived from advanced characterization of materials, materials synthesis, processing, and properties assessments and the parallel data that are generated by large scale computational efforts that model materials phenomena. Computational Materials Sciences will support the Materials Genome Initiative for Global Competitiveness (MGI) that was announced by the President in June 2011. The goal of the MGI is to reduce the time from discovery to deployment of new materials by a factor of two and is tied to advancement of American manufacturing capability. This funding opportunity continues the BES commitment to the MGI and the development of open source codes that can take full advantage of today's petascale and future exascale leadership computing facilities.

