

FUNDING OPPs & INFO

For Hajim School Researchers



April 4, 2016

EVENTS

DOE EVENT REMINDER: High Performance Computing For Manufacturing Spring Solicitation Webinar – April 5th, 2016

The Energy Department's Lawrence Livermore National Laboratory will be hosting an informational webinar on the High Performance Computing for Manufacturing (HPC4Mfg) spring solicitation on April 5th at 2PM EDT. This webinar will provide an opportunity to learn more about the AMO sponsored program and current solicitation, as well as provide an opportunity to ask questions to assist in the development of the concept papers. For more information or to register - <https://hpc4mfg.llnl.gov/>

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.)

Center for Emerging and Innovative Sciences University Technology Showcase

<http://www.ceis.rochester.edu/news-events/technology-showcase.html>

Date: April 7th, 2016, 1:00 - 5:00 p.m.

Where: DoubleTree Hotel, 1111 Jefferson Road, Rochester, NY

Synopsis: The University Technology Showcase allows industry professionals an exclusive chance to see a snapshot of work in optics, imaging, and photonics; energy and materials; biomedical technology; and IP being conducted by some of New York's leading universities. You will be able to discuss with the principal investigators how their work may benefit your company and explore ways for future collaboration and technology transfer. This year, we will have two featured speakers: Walt Johnson, Vice President, Director of XEROX PARC and Mikael Totterman, CEO of Clerio Vision. The Showcase is free and open to the public.

*For more information, email Margaret Urzetta @ margaret.urzetta@rochester.edu or call (585) 275-2104

RECENT UPDATES

FROM NIH:

NOT-OD-16-084 NIH Restructured and Streamlined Application Guides and Supplemental Instructions Available for Applications Due Dates On or After May 25, 2016

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-084.html>

NOT-OD-16-081 NIH Reminder: NIH & AHRQ Grant Application Changes for Due Dates On or After May 25, 2016

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-081.html>

*NOT-OD-16-080 NIH Clarifications and Consolidated Biosketch Instructions and Format Pages
Available for Applications with Due Dates On or After May 25, 2016

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-080.html>

NOT-OD-16-079 NIH Reporting Instructions for Publications Supported by Shared Resources in Research
Performance Progress Reports (RPPR) and Renewal Applications

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-079.html>

FUNDING OPPORTUNITIES

Internal Funding

I-Corps Site – Ain Center for Entrepreneurship seed funding

<http://www.rochester.edu/entrepreneurship/icorps/>

Mini projects can be funded @ 1-3K and the next deadline is **April 18, 2016** via online application.

The Site will provide infrastructure, advice, resources, networking opportunities, training, and modest funding (awards of \$1,000 – \$3,000 per team) to enable teams to transition their work into the marketplace or into becoming I-Corps Team applicants. With the support and mentorship of the Site, the teams will learn first-hand about entrepreneurship and explore the transition of their ideas, devices, processes or other intellectual activities into the marketplace.

Falling Walls Competition Accepting Applications

Internal Applications Deadline: April 15, 2016

The preliminary conference @ UR will take place in Sloan Auditorium on May 18, 2016

Falling Walls Conference commemorates the fall of the Berlin Wall by hosting young entrepreneurs and inventors and giving them the opportunity to express their best ideas, ideas that will “break down the walls” and remove barriers to progress in science and society. The participants in this international conference are the winners of local competitions held around the world. The conference consists of a series of rapid-fire three minute presentations. [If you are interested in applying, click here for the full instructions.](#)

Center for Emerging and Innovative Sciences

CEIS Collaborative Innovative Research (CIR) Request for Proposals (RFP)

<http://www.ceis.rochester.edu/funding/CIRP.html>

Deadline: May 20, 2016

Who may apply: The CIR funding program is open to Principal Investigators (PIs) from the faculties of the University of Rochester, the Rochester Institute of Technology and other regional universities. Persons eligible to be PIs shall hold full time faculty positions or full-time positions enjoying similar responsibilities, rights, and privileges in their respective universities. Note that only university PIs are eligible for CIR funding. CEIS does not award funds to companies.

Types of projects considered: CEIS supports applied research and development projects primarily in the field of Electronic Imaging, but in recent years the Center has expanded its scope to include Bio-Imaging and Sensing, Nano-electronic design and other emerging technologies. The research projects may apply to any of a diverse variety of commercial products and services.

Size of awards: Maximum potential awards are computed as one-half the dollar value (excluding qualifying "in kind" contributions) of designated funds from NYS companies. CEIS awards are capped at \$30,000 per proposal.

Selection of proposals for awards: For each category of projects, proposals will be ranked by an outside review panel and the awards will be given according to rank to the funding maximum. We anticipate making awards for a July 1, 2016 start date subject to the availability of funds.

Research proposals requested: The attached forms constitute a solicitation of research proposals for consideration in the 2016/2017 program year (July 15, 2016 – June 30, 2017). CEIS is a NYSTAR (Empire State Development Division of Science, Technology and Innovation) designated Center for Advanced Technology (CAT) funded by NY State. Proposals will be reviewed in May 2016, for projects to commence on July 1, 2016 subject to the availability of funds. The goal of the CEIS Collaborative Innovative Research (CIR) program is to stimulate economic growth in New York State by promoting technology transfer from our universities to New York companies. Accordingly, proposed projects should involve a NY industry partner that is actively engaged with the project, financially sponsoring the research, and providing assessment of economic impact of the project.

Questions about the proposals or the CIR RFP process may be addressed to Cathy Adams
cathy.adams@rochester.edu, 275-3999

External Funding

US Air Force: Air Force Materiel Command - Location: AFRL/RIK - Rome

Resilient Autonomous Systems (RAS)

BAA-AFRL-RIK-2016-0005

<https://www.fbo.gov/index?s=opportunity&mode=form&id=56ede1e677e6facc346a4f9f481976b9&tab=core&tabmode=list&=>

Deadline: Extended until 15 Apr 2016. The Government is only soliciting white papers at this time.

Funding: ~ 36 months with dollar amounts normally ranging from \$500K to \$750K.

Synopsis: The objective of this project is to develop and demonstrate improved resiliency of autonomous assets in a simulated Intelligence Surveillance and Reconnaissance (ISR) mission with degraded communications. Resiliency in the context of this project is defined as a system's ability to operate at an acceptable level of normalcy despite disturbances. This definition encompasses the system's agility, adaptive capacity and insufficiency, and robustness. A robust autonomous system can provide increased resiliency with capabilities to assess, recover, learn, and adapt from adverse events, both benign and hostile. These capabilities will allow deployed systems in contested domains, such as Anti-Access Area Denial (A2/AD) environments, to complete mission objectives with minimal impact.

Fulbright U.S. Scholar Program

<http://www.cies.org/program/core-fulbright-us-scholar-program>

Deadline: most awards is August 1, 2016

Synopsis: Fulbright offers a number of very informative webinars for all of its programs; the calendar of webinars can be found [here](#). UR also hosted an info session last year on campus. The recording of that session may be found on the AS&E Research website under [events](#) (scroll down a few events).

The Core Fulbright U.S. Scholar Program offers teaching, research, or combination teaching/research awards in over 125 countries for the 2017-2018 academic year. Higher education faculty and administrators as well as professionals, independent scholars, artists, journalists, scientists, lawyers, and accomplished scholars from other professions are encouraged to apply. For questions and assistance, please contact Jane Gatewood in the UR Office of Global Engagement or your respective assistant dean. Although it may seem early to consider an application, there are a number of issues to coordinate for some opportunities (often a host institution letter of commitment is required for the Scholars program for example) in addition to visas, passports, vaccines etc., so it is not too early to get started!

Gates Grand Challenges Explorations Grants

<http://gcgh.grandchallenges.org/grant-opportunities>

Deadline: May 11, 2016

Funding: \$100,000 Phase 1

Synopsis: Grand Challenges Explorations, an initiative to encourage innovative and unconventional global health and development solutions, is accepting grant proposals until May 11, 2016, 11:30 A.M. US Pacific Day Light Time. Applicants can be at any experience level; in any discipline; and from any organization, including colleges and universities, government laboratories, research institutions, non-profit organizations, and for-profit companies. Two-page proposals are being accepted online on multiple topics – go to the website to review the list.

**Department of Energy
Advanced Research Projects Agency Energy ARPA-E**

<https://arpa-e-foa.energy.gov/>

DE-FOA-0001428

Innovative Development in Energy-Related Applied Science (IDEAS) 2015

CFDA: 81.135 -- Advanced Research Projects Agency - Energy

Deadline: September 30, 2016

Funding:

Synopsis: This announcement is purposely broad in scope to encourage the submission of the most innovative, out-of-the-box ideas in energy technology. Since the first law of thermodynamics states that energy is always conserved, i.e. it can never be created or destroyed, our principal concern is with the conversion of energy into useful energy or maximizing usable energy (exergy). Useful energy can take many forms including: radiant energy from lights, electrical energy for appliances, thermal energy to heat homes, mechanical energy for transportation, chemical energy in the form of food, and energy used to make products. From the second law of thermodynamics, the entropy of a system cannot decrease when converting energy from one form to another, the end effect being that all useful energy humans consume ultimately results in the production of heat that is radiated into space, except for a few exceptions such as the energy embedded in products.

National Science Foundation

I-Corps Team

<http://www.nsf.gov/pubs/2012/nsf12602/nsf12602.pdf>

I Corps Team fact sheet: http://www.nsf.gov/news/special_reports/i-corps/pdf/factsheet_teams.pdf

Upcoming deadline: Quarterly. Next deadline is June 15, 2016.

Funding: : Up to \$50,000 per 6 month award. Recovery of indirect costs (F&A) is limited to \$5,000.

Synopsis: NSF I-Corps Team (12-602) opportunity for NSF awardees within last 5 years. Eligibility to Apply : Applicants must have received a prior award from NSF (in a scientific or engineering field relevant to the proposed innovation) that is currently active or that has been active within five years from the date of the I-Corps Teams proposal submission. The prior award could range from a modest single-investigator award to a large, distributed center and also includes awards involving students such as REU Sites.

***The required lineage from a prior NSF award has been clarified to explicitly name, in addition to the Principal Investigator (PI), Co-PIs, Senior Personnel, Post Docs, Professional Staff or others who were supported under an NSF award to include any projects funded under the I-Corps site.**

National Science Foundation

US Ignite: Networking Research and Application Prototypes Leading to Smart & Connected Communities

<http://www.nsf.gov/pubs/2016/nsf16553/nsf16553.htm>

Deadline: June 14, 2016

Funding: \$600,000 - \$1,000,000

Synopsis: This solicitation has two focus areas: the first (Focus Area 1) builds on activities explored by previous US Ignite investments, enabling application ideas and prototypes addressing national priority areas that give rise to Smart & Connected Communities of the future as well as novel networking and application paradigms; and the second (Focus Area 2) seeks to support fundamental research that will advance both the capabilities and our understanding of gigabit networking infrastructure to meet future application demands. While Focus Area 1 projects will largely assume that the networks in place are adequate to support the proposed gigabit application ideas or prototypes, Focus Area 2 projects should seek to challenge this assumption, proposing fundamental advances in networking infrastructure that if successful, would better enable current or future gigabit to multi-gigabit applications.

National Science Foundation

Tectonics

<http://www.nsf.gov/pubs/2016/nsf16556/nsf16556.htm>

Deadline: July 08, 2016

Funding: ~\$200,000 per award. Equipment requests on proposals submitted to EAR research programs should not exceed a total of \$50,000

Synopsis: The Tectonics Program is part of the Division of Earth Sciences (EAR). EAR provides funding for the conduct of research concerning the solid Earth and its surface environment. EAR supports investigations of the Earth's structure, composition, evolution, and the interaction of the lithosphere with the Earth's biosphere, atmosphere, and hydrosphere. The Tectonics Program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the deformation of the terrestrial continental lithosphere (i.e. above the lithosphere-asthenosphere boundary). The Program focuses on deformation processes and their tectonic drivers that operate at any depth within the continental lithosphere, on time-scales of decades/centuries (e.g. active tectonics) and longer, and at micro- to plate boundary/orogenic belt length-scales

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

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

Webinar: <http://www.nsf.gov/eng/iip/pfi/air-tt.jsp>

Deadlines: Letter of Intent Deadline Date: September 8, 2016; Full Proposal Deadline Date: October 11, 2016

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

Synopsis: To support innovative ideas and partnerships in the translation of NSF-funded fundamental science and engineering discoveries toward market-valued solutions. 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. PI or a co-PI must have had an NSF award that ended no more than 6-years prior to the chosen submission window's full proposal deadline date or be a current NSF award recipient. The proposed proof-of-concept or prototype/ scale-up must be derived from the research results and/or discoveries from this underlying NSF award. In addition to the PI, there must be at least one other participant on the project (e.g., someone listed as a co-PI, Senior Personnel, Other Professional, subawardee, consultant, collaborator, etc.) with explicit business experience (for example, someone from the technology transfer office, the business school, a local/regional development office, a business entity, etc.). This person must have an active role that is explicitly described along with the specification of a time commitment on the project.