IN THE SPOTLIGHT:

Young Investigator Research Program (YIP), AFOSR, deadline: 6/3/19;

W&M INTERNAL PROGRAMS:

Distinguished Lectures in International Studies, rolling deadline,
http://www.wm.edu/offices/revescenter/funding/facultyfunding/lectures/index.php:
The Reves Center for International Studies is pleased to help support internationally-focused public lectures and performances. Funding is available to William & Mary faculty who wish to host distinguished scholars, artists, and practitioners whose public events and visits will contribute to international education at the university.

Grants for On-Campus Conferences on International Topics, rolling deadline;
http://www.wm.edu/offices/revescenter/funding/facultyfunding/oncampus/index.php:
Funding is available to support William & Mary faculty who are hosting on-campus professional conferences that will contribute to international education at the College. Proposals making use of the university's Washington, D.C. Office are also welcome.

COLL Innovation Grants for Faculty: Open Proposals, deadline: rolling;
http://www.wm.edu/as/center-liberal-arts/coll-innovation-grants/index.php:
The Center For Liberal Arts is pleased to solicit proposals from faculty seeking financial support to pursue an on or off-campus activity relevant to the COLL curriculum. For the academic year 2018-19, the CLA will prioritize innovation grants that enhance on-campus COLL 300 courses and COLL 400 courses.

ARTS & HUMANITIES:

Spring and Summer 2020 Artists-in-Residence, Bemis Center for Contemporary Arts, deadline: 5/17/19;

Digitalizing the Kurdish Heritage Institute Collection, US Mission to Iraq, deadline: 4/26/19;


Deadline extended The Margaret W. Moore and John M. Moore Research Fellowship, Swarthmore College Peace Collection, deadline: 3/25/19;
2019 Documentary Film Program, Sundance Institute, deadline: March 17; June 2; 

Postdoctoral Fellowship in Aerospace History, NASA, deadline: April 1; 

**SOCIAL SCIENCES:**

Civil Society and Cultural Heritage-Islamabad, Bureau of South and Central Asian Affairs, Dept of State, deadline: 5/5/19; https://www.grants.gov/web/grants/view-opportunity.html?oppId=313365:  
*Only one organizational application is allowed. If you are interested in applying, please contact wosp@wm.edu – an internal competition may be required.*

Combatting Gender-Based Violence (GBV) and Improving Gender Equality Reporting through Diverse Media Tools, Bureau of South and Central Asian Affairs, Dept of State, deadline: 5/4/19; https://www.grants.gov/web/grants/view-opportunity.html?oppId=313457:  
*This agency limits the number of submissions to this call. If you are interested in applying, please contact wosp@wm.edu and identify the project area of interest – an internal competition may be required.*

*An institution may submit up to three proposal (one for each country). If you are interested in applying, please contact wosp@wm.edu – an internal competition may be required.*


**SCIENCE & RESEARCH/FEDERAL:**

Geronscience Approaches to Alzheimer’s Disease (R21 Clinical Trial Not Allowed), NIH, deadlines: LOI, 6/2/19; application, 7/2/19; https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-20-014.html.

Geronscience Approaches to Alzheimer’s Disease (R01 Clinical Trial Not Allowed), NIH, deadlines: LOI, 6/2/19; application, 7/2/19; https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-20-013.html.

Smart and Connected Communities (S&CC), NSF, deadlines: LOI, 8/6/19; full proposal, 9/6/19; https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505364&org=CNS&from=home.


Military Medical Photonics Program, AFOSR, deadlines: BAA remains open until superseded; however, apply early because current funds must be obligated by 9/30/19; https://www.grants.gov/web/grants/view-opportunity.html?oppId=313509.

*One institutional application is allowed. If you are interested in applying, please contact wosp@wm.edu – an internal competition may be required.


**FOUNDATION:**

Sensor Technologies to Monitor Energy or Environmental Systems, Alfred P. Sloan Foundation, deadline: LOI, 4/1/19; call is attached:

**If you are interested in this opportunity, please contact Luiza Newlin-Lukowicz, W&M Development, lnewlin@wm.edu or 1-1036, to coordinate efforts prior to contacting the Foundation.**

Net-Zero and Negative Emissions Technologies, Alfred P. Sloan Foundation, deadline: LOI 4/1/19; call is attached:

**If you are interested in this opportunity, please contact Luiza Newlin-Lukowicz, W&M Development, lnewlin@wm.edu or 1-1036, to coordinate efforts prior to contacting the Foundation.**

Academic Cross-Training Fellowship, John Templeton Foundation, deadlines: LOI, 5/3/19; invited full proposal; https://www.templeton.org/internal-competition-fund/academic-cross-training-fellowship-2019:

**If you are interested in this opportunity, please contact Luiza Newlin-Lukowicz, W&M Development, lnewlin@wm.edu or 1-1036, to coordinate efforts prior to contacting the Foundation.**

**OTHER:**

Novel High-Yield Methods of Functioning Graphite, NineSights, deadline: March 21; https://ninesights.ninesigma.com/servlet/hype/IMT?userAction=Browse&documentId=042112947801919284ee0973a03d644c&templateName=&documentTableId=3422744965072695358.

Biodegradable Material Technology for Food Packaging, NineSights, deadline: March 21; https://ninesights.ninesigma.com/servlet/hype/IMT?userAction=Browse&documentId=b5842d74fd47ce61faed78f989013b5a&templateName=&documentTableId=3422744965072702392.

Aluminum Foil-free Gas Barrier Material, NineSights, deadline: March 24; https://ninesights.ninesigma.com/servlet/hype/IMT?userAction=Browse&documentId=3ccb2b27bfc91a6b6e5dd2dbc5e61c60&templateName=&documentTableId=3422744965072703230.

Technology of in vivo Fluorescence Labeling of Any Protein or mRNA Using Antibodies/Probes, NineSights, deadline: March 26; https://ninesights.ninesigma.com/servlet/hype/IMT?userAction=Browse&documentId=c9e719407176495ac5f6603b1198a38&templateName=&documentTableid=3422744965072703871.

2019 Young Investigator Grant, USDA/American Egg Board, deadline: LOI, 4/2/19; https://www.eggnutritioncenter.org/grant-fellowship/.
CALL FOR LETTERS OF INQUIRY: SENSOR TECHNOLOGIES TO MONITOR ENERGY OR ENVIRONMENTAL SYSTEMS

Grants between $1-1.5 million for collaborative science and engineering research projects led by early- and mid-career scholars to use sensor technologies to study energy or environmental systems in the United States

Submission Deadline: April 1, 2019

I. Overview

The Alfred P. Sloan Foundation has established a new, dedicated component within its Energy and Environment program focused on supporting energy and environmental science. The Foundation is currently soliciting Letters of Inquiry for innovative, collaborative academic research projects led by early- and mid-career scholars that use sensor technologies to monitor and analyze energy or environmental systems at a granular level in the United States. This is one of two open Calls for Letters of Inquiry announced by the Foundation’s Energy and Environment program, with the other Call focused on researching net-zero interventions and negative emissions technologies, available at sloan.org/NETZERO-LOI.

A small number of full proposals will be invited from submissions responding to this Call. Award amounts are expected to range from $1-1.5 million over a 3-year period.

Opportunities for ongoing, cost-effective, and fine-grained monitoring of energy or environmental systems are being facilitated by a range of novel developments. These include widespread deployment of in situ or mobile sensors, improvements in remote sensing instrumentation, ability to integrate new data sources across scales, and the application of sophisticated data analysis techniques. Researchers are increasingly able to collect and integrate data from these multiple sources and across multiple scales to track and record environmental change in a variety of settings and measure the environmental impacts of energy systems. It is increasingly possible to use new sensor technologies to study defined localities—be they specific regions, cities, or ecosystem types—in great detail and across various temporal and spatial dimensions. These detailed measurements and analyses of environmental change, pollution, and greenhouse gas emissions are critical to providing stakeholders in government, industry, and non-governmental organizations with information needed to make decisions related to climate adaptation and mitigation and to improve the management of energy or environmental systems.

The Sloan Foundation’s Energy and Environment program is interested in motivating new research that deploys sensors in novel ways to measure dynamic features of environmental or energy systems and that analyze this data to better understand how these systems vary over time. Proposed research projects should demonstrate the following characteristics:
• Cutting-edge, multidisciplinary research with potential for significant advancements in knowledge related to granular monitoring of energy or environmental systems;
• Original data collection and analysis, or the combination of existing sensor-generated datasets in innovative, impactful ways.
• Leadership by early- and mid-career faculty at the Assistant or Associate Professor levels.
• Collaboration between scholars from multiple fields of science and engineering, either within or across universities. Relevant disciplines include but are not limited to: environmental science, ecology, atmospheric science, civil and environmental engineering, geography, computer science, data science, and energy systems modeling, among others.
• Training of students (graduate students, postdoctoral researchers, or undergraduates) in disciplines related to the detailed monitoring of energy or environmental systems.
• Engagement with a range of stakeholders to help inform decision-making, including those in government, industry, and non-governmental organizations.
• Ability to leverage financial support or in-kind contributions from other sources.

II. Research Questions
Example research questions for examination include but are not limited to:
• How can detailed, localized data from different sensors or measurement devices be combined to improve understanding of various dimensions of energy or environmental systems?
• What signatures of environmental impact can be identified by studying specific energy systems in greater depth?
• How can sensor technologies of different types provide insights about how energy or environmental systems are changing? To what extent can real-time monitoring of energy and environmental systems be achieved?
• What are required temporal and spatial sensitivity thresholds for sensor technologies to function appropriately? To what extent can carbon dioxide, greenhouse gases, or other pollutants be measured with adequate specificity?
• What can be learned about energy or environmental systems by collecting and analyzing information on multiple pollutants and greenhouse gas emissions simultaneously?
• What novel devices or other instrumentation need to be developed to accelerate research that improves the measurement and monitoring of energy or environmental systems?

III. Eligibility and Submission Deadline
Lead investigators of proposed projects must be Assistant or Associate Professors at U.S. universities or colleges. The Foundation strongly encourages submissions from diverse teams led by women or underrepresented minorities. Researchers may participate on more than one proposed project. Senior faculty and non-U.S.-based researchers may participate in proposed projects and are eligible to receive funding as research team members, advisors, or collaborators.

Submissions are due no later than Monday, April 1, 2019 at 5:00pm EDT. Submission materials must be integrated in a single PDF document and sent by email to energy@sloan.org, with subject heading and document title: SENSOR LOI – <Lead Researcher Name>.
IV. Submission Components
Submissions must include the following 3 components:

(1) A completed 1-page Sloan Foundation Proposal Cover Sheet, summarizing key research project details. Projects should have a proposed start date of January 1, 2020. The Proposal Cover Sheet is available at: https://sloan.org/grants/apply#tab-grant-forms

(2) A Letter of Inquiry 4-5 pages in length (excluding budget table and other material), written in 12-point font. Submissions should answer the following questions, with each question serving as a section heading:
   1. What is the core research question and why is it important?¹
   2. What are the current knowledge gaps on this question?
   3. What is the proposed research methodology?
   4. What will be the outputs from the research project and how will they be disseminated?
   5. What are the proposer and team qualifications?
   6. What other sources of support can the project leverage?

(3) Supplemental material following the Letter of Inquiry, including:
   1. A draft budget table for the proposed project. Funding requests are expected to range from between $1-1.5 million over a 3-year period, with sub-awards to collaborating partners indicated where appropriate. Allowable expenses will generally include:
      i. For faculty: up to one-month summer salary per investigator per year, plus benefits, capped at $25,000 per investigator per year, based on project time commitment
      ii. For graduate students, postdoctoral fellows, or undergraduate researchers: stipend and tuition reimbursement, plus benefits, based on project time commitment
      iii. Support for project-related administrative and research staff
      iv. Instrumentation, hardware, data acquisition, computational, and laboratory expenses
      v. Travel and research dissemination expenses
      vi. Indirect overhead expenses capped at 15% of direct costs
   2. References or bibliography
   3. Brief CV of key project leads and personnel (no more than 2 pages per person)
   4. Letters of support from research partners, collaborators, or data providers, if available

V. Review Process
An expert review committee will assess submitted Letters of Inquiry. A small number of selected project submissions will be invited to prepare a full research proposal for consideration, likely to be submitted by early August 2019. Invited full proposals will be further reviewed. Proposers will receive feedback and asked to prepare a response to reviews, likely to be submitted by late September 2019. Final award decisions are expected will be made before the end of 2019. Some proposers may be invited to present proposed projects to the Foundation as one component of the review process.

¹ Please note that projects focused on studying questions related to biodiversity are considered out of scope.
CALL FOR LETTERS OF INQUIRY:
NET-ZERO AND NEGATIVE EMISSIONS TECHNOLOGIES

Grants between $1-1.5 million for collaborative science and engineering research projects led by early- and mid-career scholars to better understand net-zero interventions and negative emissions technologies in the United States

Submission Deadline: April 1, 2019

I. Overview
The Alfred P. Sloan Foundation has established a new, dedicated component within its Energy and Environment program focused on supporting energy and environmental science. The Foundation is currently soliciting Letters of Inquiry for innovative, collaborative academic research projects led by early- and mid-career scholars that examine net-zero interventions and negative emissions technologies in the United States. This is one of two open Calls for Letters of Inquiry announced by the Foundation’s Energy and Environment program, with the other Call focused on utilizing new sensor technologies to monitor energy or environmental systems, available at sloan.org/SENSOR-LOI.

A small number of full proposals will be invited from submissions responding to this Call. Resulting grant awards are expected to range from $1-1.5 million over a 3-year period.

Given the need to substantially decarbonize multiple sectors throughout the economy and reduce the stock of carbon dioxide and other greenhouse gases in the atmosphere, scholars are increasingly interested in a host of new science and engineering questions associated with net-zero interventions and negative emissions technologies. While there is much debate over how to define these kinds of approaches, “net-zero energy systems” are generally considered to be those that do not add carbon dioxide or other greenhouse gases to the atmosphere. “Negative emission technologies” are generally categorized as attempts to mitigate or adapt to climate change by reducing or removing greenhouse gases that already exist in the atmosphere. The intention of this Call is to be broad in scope, encompassing natural, ecological, biological, technological, or engineered approaches for the utilization, storage, or sequestration of carbon dioxide or other greenhouse gases.

The Sloan Foundation’s Energy and Environment program is interested in motivating new research in these topic areas and encouraging a new generation of scholars to make progress on these questions. Proposed research projects should demonstrate the following characteristics:

• Cutting-edge, multidisciplinary science and engineering research with potential for significant advancements in knowledge on net-zero and negative emissions technologies.
• Leadership by early- and mid-career faculty at the Assistant or Associate Professor levels.
• Collaboration between scholars from multiple fields of science and engineering, either within or across universities. Relevant disciplines include but are not limited to: chemistry, biology, physics, environmental science, ecology, atmospheric science, civil and environmental engineering, and energy systems modeling, among others.
• Training of students (graduate students, postdoctoral researchers, or undergraduates) in science and engineering disciplines related to net-zero and negative emissions interventions.
• Engagement with a range of stakeholders to help inform decision-making, including those in government, industry, and non-governmental organizations.
• Ability to leverage financial support or in-kind contributions from other sources.

II. Research Questions
Example research questions for examination include but are not limited to:
• What ecological, chemical, biological, or engineering factors affect the performance of net-zero interventions or negative emissions technologies?
• How do different net-zero or negative emission approaches compare in terms of their ability for greenhouse gas uptake, storage, or sequestration? How do natural and technological greenhouse gas removal approaches relate to and compare with one another?
• What scale of impact might different net-zero or negative emissions approaches have on either avoiding further accumulation of greenhouse gases in the atmosphere or the permanent net removal of emissions from the atmosphere?
• What advancements in environmental science, materials science, chemistry, biology, or engineering are needed to develop new net-zero or negative emissions interventions?
• What biological or material characteristics are critical for capturing, removing, storing, or sequestering carbon dioxide or other greenhouse gases from the atmosphere?
• How can carbon sequestration in soil, biological, or agricultural systems be accelerated?
• What science and engineering advancements are needed to improve the scale of utilization of carbon dioxide or other greenhouse gases for productive purposes?
• How can different net-zero or negative emissions interventions be combined with other mitigation and adaptation approaches to reduce greenhouse gas emissions?

III. Eligibility and Submission Deadline
Lead investigators of proposed projects must be Assistant or Associate Professors at U.S. universities or colleges. The Foundation strongly encourages submissions from diverse teams led by women or underrepresented minorities. Researchers may participate on more than one proposed project. Senior faculty and non-U.S.-based researchers may participate in proposed projects and are eligible to receive funding as research team members, advisors, or collaborators.

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