Pan-American Advanced Studies Institutes Program (PASI)

Funding Agency: National Science Foundation
Funding #: 10-517
Due: 1/15/2011
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5327

The Pan-American Advanced Studies Institutes (PASI) Program is a jointly supported initiative between the Department of Energy (DOE) and the National Science Foundation (NSF). Pan-American Advanced Studies Institutes are short courses ranging in length from ten days to one month, involving lectures, demonstrations, research seminars, and discussions at the advanced graduate, post-doctoral, and junior faculty level. PASIs aim to disseminate advanced scientific and engineering knowledge and stimulate training and cooperation among researchers of the Americas in the mathematical, physical, and biological sciences, the geosciences, the computer and information sciences, and the engineering fields.

Cyber-Physical Systems (CPS)

Funding Agency: National Science Foundation
Funding #: 10-515
Due: 3/10/2011
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503286

The CPS program is seeking proposals that address research challenges in three CPS themes: Foundations; Methods and Tools; and Components, Run-time Substrates, and Systems. Foundations research will develop new scientific and engineering principles, algorithms, models, and theories for the analysis and design of cyber-physical systems. Research on Methods and Tools will bridge the gaps between approaches to the cyber and physical elements of systems through innovations such as novel support for multiple views, new programming languages, and algorithms for reasoning about and formally verifying properties of complex integrations of cyber and physical resources. The third CPS theme concerns new hardware and software Components, Run-time Substrates (infrastructure and platforms), and (engineered) Systems motivated by grand challenge applications.

Developing Global Scientists and Engineers (International Research Experiences for Students (IRES) and Doctoral Dissertation Enhancement Projects (DDEP))

Funding Agency: National Science Foundation
Funding #: 04-036
Due: Anytime
Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12831

The United States needs to educate a globally-engaged science and engineering workforce capable of performing in an international research environment in order to remain at the forefront of world science and technology. To support this aim, the Developing Global Scientists and Engineers program provides highest quality international research experiences for U.S. students. Whereas the International Research Experiences for Students (IRES) component of the program supports groups of U.S. undergraduate or graduate students conducting research abroad in collaboration with foreign
investigators, the Doctoral Dissertation Enhancement Projects (DDEP) component supports the dissertation research abroad of one doctoral student in collaboration with a foreign investigator.

-----------------------------------------
National Institute of Biomedical Imaging and Bioengineering Program Project (P01) Applications
Funding Agency: the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health
Funding #: PAR-10-233
Due: 1/25/2011

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health, encourages investigator-initiated Program Project Grant (P01) applications from institutions/organizations in the broad areas of biomedical imaging and bioengineering enabled by relevant areas of the physical sciences, engineering, computer sciences, information science, and the medical and life sciences. P01 grants are to support broad-based multidisciplinary research programs, which have a well-defined major objective or central theme, but which are addressing a range of imaging or bioengineering questions in contrast to the traditional research project (R01). Proposed program projects may address any of the broad areas of imaging and bioengineering research supported by the Institute.

-----------------------------------------
Materials and Surface Engineering (MSE)
Funding Agency: National Science Foundation
Funding #: PD 10-1633
Due: 2/15/2011

The MSE program supports fundamental research leading to a better understanding of the effect of microstructure, surfaces, and coatings on the properties and performance of engineering materials; and the ultimate control of these properties through material design. Of particular interest is materials service under conditions such as impact, temperature extremes, corrosion, oxidation, and friction. The program also supports research leading to biomedical applications of materials. Funded research includes both experimental and theoretical approaches.

-----------------------------------------
Connecticut Space Grant College Consortium Call for Applications
Funding Connecticut Space Grant College Consortium
Due: 11/15/2010
Link: http://www.ctspacegrant.org/

The CT Space Grant College Consortium is a member of the NASA-funded national Space Grant College and Fellowship Program, and serves to promote and support NASA aeronautic and space-related research in Connecticut. There are funding opportunities for both students and faculty so please go to the website for detailed information. You can also contact Donald Peterson, director of the BME
program, (peterson@engr.uconn.edu) with any questions or arrange a time to meet with him by contacting Kerrie Wenzler (kerriew@engr.uconn.edu) in the BME office.

Prepared By: UConn SoE - Research Initiatives Support Team (RIST)

This information is prepared for the use of UConn faculty only and may not be reproduced in whole or part.

For Previous issues go to: http://news.engr.uconn.edu/engineeringfundingbulletins.php

Please share any solicitations you would like included in the next bulletin with amys@engr.uconn.edu.