

NASA Stennis Community College and Education Faculty Fellowship Program

The NASA Office of Education at Stennis Space Center (SSC) and the Mississippi Space Grant Consortium are pleased to announce the 2018 Community College and Education Faculty Fellowship Program opportunity for curriculum development, including an internship period during the summer of 2018.

Three to five awards are expected for summer 2018. The application period for the 2018 Fellowship is open from Monday February 26, 2018, and closes on Friday April 27, 2018.

Program Description

This ten-week Fellowship Program is open to full-time faculty members who are teaching at accredited Mississippi and Louisiana higher education institutions. The program will be located at NASA Stennis Space Center, MS, and runs during the period from Monday, June 4, 2018 through Friday, August 10, 2018.

The Program aims at providing the following mutual benefits:

- (1) The program will enhance faculty professional knowledge through their engagement in relevant and mission supporting work at SSC.
- (2) The Fellow's residency will be considered research that will lead to the development of NASA-related curriculum. This curriculum will be developed and used at the Fellow's home institution in the year following the residency period.
- (3) The Fellow will contribute materially to the in-house research, technology and engineering work packages and objectives of SSC, toward advancing the NASA mission.

Stennis Space Center (SSC)

Located near the Mississippi Gulf Coast, SSC is NASA's leading Center for testing liquid propulsion rocket engines. It is responsible for overseeing the safe operation of one of a kind national test facilities valued at over \$2 billion and for overseeing several rocket engine propulsion test programs from both the Federal and private customers.

<http://www.nasa.gov/centers/stennis/home/index.html>

Research and technology, and engineering engagements comprise NASA mission-related areas of interest, including:

- A. Computer Systems and Networks
- B. Software development
- C. Cryogenic Systems
- D. Instrumentation, Controls and Electronics
- E. Fluids, Computational Fluid Dynamics (CFD) and Turbomachinery
- F. Construction of facilities
- G. Fabrication, welding, machining
- H. Materials and Structures, including Mechanical Components and Lubrication

- I. Systems Engineering
- J. STEM / Engineering Education

Eligibility

Science, Technology, Engineering, and Mathematics (STEM) faculty who are **United States citizens**, and who are in full-time positions at 2-year accredited Mississippi and Louisiana community colleges, or full-time faculty at 4-year institutions in Education Departments are eligible to apply.

Faculty members from U.S. Department of Education-designated Minority Serving Institutions (MSIs) are particularly encouraged to apply. In these two states, these institutions may be Historically Black Colleges and Universities (HBCUs), or Predominantly Black Institutions (PBIs.) Faculty from non-MSI institutions may also apply, funded through the Mississippi Space Grant Consortium.

Fellows will be accepted into a residency position provided by the hosting organization at SSC.

Each award is for one summer residency at SSC, followed by curriculum development activity the following (Fall) semester and ‘beta-testing’ in the (Spring) semester following the summer residency. Developed curriculum will be shared with NASA, and a final report will be delivered to the NASA Office of Education at SSC.

The curriculum should be provided in a format (electronic and digital) that can be shared with NASA and the public. 508 Compliance should be adhered to when submitting a final product along with lessons learned from the development and beta-testing.

At the end of the summer residency, faculty will deliver a plan for the curriculum development in the fall. At the end of the fall semester, faculty will provide the draft curriculum along with a schedule for the beta testing of the curriculum. This curriculum may span across the broad subject basis of the institution in which the faculty is employed. For example, the curriculum employed could span the mathematics and physics disciplines and include a component that would entice education departments to collaborate with their expertise in the national, state and local standards.

Each selected Fellow will be expected to:

- Not receive remuneration from other U.S. federal sources (e.g. Grants & Contracts) during the Fellowship tenure;
- Complete a continuous, full time 10-week residency at SSC.
- Not take leave or concurrently engage in teaching and/or research at an institution during the 10-week residency at SSC;
- Abide by NASA regulations governing scientists and engineers, as guest investigators; including safety and security training.
- Consent to the taking of fingerprints and providing other information needed for badging.

- Furnish to SSC full information on Fellowship-derived, patentable invention;
- Submit a final report on the results and outcomes of their activities, at the end of their Fellowship;
- Complete a program feedback form, on-site, at the end of the Fellowship, before departing from SSC.

SSC is committed to implementing all Federal laws, regulations and guidelines related to the development of affirmative employment and inclusion of persons with disabilities.

How to Apply

Fellowships are awarded to STEM faculty with specific interests and experience which are compatible with available opportunities within SSC host organizations. Such opportunities typically reflect any of the “areas of interest” enumerated under earlier sub-heading.

The Fellowship tenure is firmly 10 weeks in duration. Extensions beyond the 10-week period may be granted, but only if deemed mutually beneficial and funding is available. Fellowships do not provide for vacation time which should be scheduled outside the 10-week residency period. Faculty members are expected to adhere to the official tenure period, and be full-time in residence at SSC, during their Fellowship. Additional information may be obtained by contacting:

Dr. Mitch Krell / University Affairs Officer-SSC
Phone: (228) 688-1821
E-mail: Mitch.Krell@nasa.gov

Supporting material, including a curriculum vitae and an originally signed letter of recommendation/support from the Dean or Head of applicant’s Department must be mailed, under a separate cover, to reach Dr. Krell at the above address, by the due date April 27, 2018 of the application.

Applications must be received by 5:00 PM Central Time on Friday, April 27, 2018.

Stipend

The weekly stipend for faculty is as follows:

\$1,200 per week for each of the ten Summer residency weeks, for a total of \$12,000.

As guests of SSC, faculty fellows are effectively self-employed for tax purposes. Hence, federal and state taxes will not be withheld from stipend payment. Fellows will be responsible for meeting any federal and state tax obligations.

Health and other insurance are not provided as part of this Fellowship. It is assumed that the Fellows or their home institution will provide this support.

Relocation and Travel Allowances

None.

Housing

In-coming Faculty members must make their own housing arrangements.

The program does not provide additional living expenses for program participants.

APPLICATION FOR SUMMER 2018 SSC FACULTY FELLOWSHIP

Name: _____
(Last, First M.I.)

Country of Citizenship: _____

If Naturalized: _____
(Naturalization Number and Date)

Current Position, Department, Institution:

Home Address:

Work Address:

Telephone1: () _____

Telephone2: () _____

E-mail: _____

Fax: () _____

Highest Academic Degree, Field, School, and Year:

Prioritize up to 2 “Areas of Interest”

Special Field of Knowledge:

Current Teaching Responsibility:

Current Research Area(s):

Sponsor(s) of Current Research (if any):

Have you previously participated in the SSC Faculty Fellowship? ()Yes ()No
If Yes, state year(s), & SSC colleague(s):

Include in your application:

- (1) A curriculum vitae;
- (2) An originally signed reference letter from your Dean or Department Head, including an endorsement of your participation in the fellowship program.

Applications should be submitted via email to Mitch.Krell@nasa.gov. Please use either Word .doc or Adobe .pdf format.

A hard-copy vitae and letter may also be addressed to Dr. Mitch Krell, University Affairs Officer, Mail Code UA00, Building 1100, Room 110 B, Stennis Space Center, MS 39529.

Application and supporting materials must be received by 5:00 PM Central Daylight Time by Friday, April 27, 2018. Participants are expected to be at SSC, full-time for the complete 10 consecutive weeks, beginning at 9:00 AM Central Daylight Time on Monday, June 4, 2018.

PRIVACY ACT STATEMENT

Please read the following policy to understand how the information you provide will be used.

AUTHORITY

NASA Privacy Act Systems Notice 10EDUA

PURPOSE

The primary use of information on this form is for review by NASA officials to evaluate full-time faculty members who are United States citizens and are interested in the

opportunity to participate in the 2018 Stennis Community College and Education Faculty Fellowship Program. Submitting information is strictly voluntary. By doing so, you are giving NASA your permission to use the information for the intended purpose. If you do not want to give NASA permission to use your information, simply do not provide it. However, not providing certain information may result in NASA's inability to evaluate your application for the program.

ROUTINE USES

Additional disclosures may be made pursuant to the routine uses set forth in NASA SORN Appendix B:

- To a Federal, State, local or foreign law enforcement agency if NASA becomes aware of a violation or potential violation of law or regulation.
- To a Federal, State, or local agency maintaining civil, criminal, or other relevant enforcement information or other pertinent information relevant to a NASA decision concerning the hiring or retention of an employee, the issuance of a security clearance, the letting of a contract, or the issuance of a license, grant, or other benefit.
- To a Federal agency, in response to its request, in connection with the hiring or retention of an employee, the issuance of a security clearance, the reporting of an investigation of an employee, the letting of a contract, or the issuance of a license, grant, or other benefit by the requesting agency, to the extent that the information is relevant and necessary to a decision.
- To the Department of Justice when determined to be relevant and necessary to litigation involving the United States and disclosure is compatible with the purpose for which the records were collected.
- To a court or adjudicative body before which NASA is authorized to appear when determined to be relevant and necessary to litigation involving the United States and disclosure is compatible with the purpose for which the records were collected.
- To appropriate agencies, entities, and persons when reasonably necessary to assist in connection with NASA's efforts to respond to a suspected or confirmed compromise of information in the system of records and prevent, minimize, or remedy any harm of economic or property interests, identity theft or fraud, or harm to the security and integrity of the system of records.
- To contractors, grantees, experts, consultants, students, and other performing or working on a contract, service, grant, cooperative agreement, or other assignment for the federal government, when necessary to accomplish a NASA function related to this system of records.
- To a Member of Congress or staff acting upon the Member's behalf when the Member or Staff requests the information on behalf of, and at the request of, the individual who is the subject of the record.