Dear Colleague Letter: The Division of Civil, Mechanical and Manufacturing Innovation (CMMI) announces a nationwide search to fill the Program Director position for the Advanced Manufacturing (AM) Program

April 9, 2019

Dear Colleagues:

The Division of Civil, Mechanical and Manufacturing Innovation (CMMI) announces a nationwide search to fill the Program Director position for the Advanced Manufacturing (AM) Program. Formal considerations will begin May 15, 2019 and will continue until a selection is made.

Program Directors have an unparalleled opportunity and responsibility to ensure that NSF-funded research is at the forefront of advancing fundamental knowledge. In support of this, Program Directors are responsible for extensive interaction with academic research communities and industry, as well as interaction with other Federal agencies that may lead to the development of interagency collaborations. Within this context, Program Directors solicit, receive and review research and education proposals, make funding recommendations, administer awards, and undertake interaction with research communities in these fields. They are also responsible for service to Foundation-wide activities and initiatives that together accomplish NSF’s strategic goals to: (1) transform the frontiers of science and engineering, (2) stimulate innovation and address societal needs through research and education, and (3) excel as a federal science agency.

The **Advanced Manufacturing (AM) program** supports the fundamental research needed to revitalize American manufacturing to grow the national prosperity and workforce, and to reshape our strategic industries. The AM program accelerates advances in manufacturing technologies with emphasis on multidisciplinary research that fundamentally alters and transforms manufacturing capabilities, methods and practices. For example, the convergence of the sciences with the critical features of future manufacturing combining materials knowledge, process science, tool design with model and date-driven optimization offer new
opportunities. Areas of research supported by the program include manufacturing systems; materials processing; manufacturing machines; methodologies; and manufacturing across the length scales.

The AM program is managed by a team of Program Directors and this position will support the materials engineering and processing component of the program. The team of Program Directors is highly interdisciplinary and participates in several cross-cutting initiatives within the National Science Foundation. The position requires a commitment to high standards of intellectualism and ethical conduct, a considerable breadth of interest, receptivity to new ideas, a strong sense of fairness, good judgment, and a high degree of personal integrity.

A description of the AM program is provided on the program webpage;

Inquiries regarding the program can be directed to the Program Directors identified on the program web page.

The position may be filled under the following appointment alternatives:

**Intergovernmental Personnel Act (IPA) Assignment:** Individuals eligible for an IPA assignment with a Federal agency include employees of State and local government agencies or institutions of higher education, Indian tribal governments, and other eligible organizations in instances where such assignments would be of mutual benefit to the organizations involved. Initial assignments under IPA provisions may be made for a period up to two years, with a possible extension for up to an additional two-year period. The individual remains an employee of the home institution and NSF provides the negotiated funding toward the assignee’s salary and benefits. Initial IPA assignments are made for a one-year period and may be extended by mutual agreement. For additional information regarding IPA positions, please visit the NSF website at: https://www.nsf.gov/careers/rotator/ipa.jsp.

**Temporary Excepted Service Appointment:** Appointment to this position will be made under the Excepted Authority of the NSF Act. Candidates who do not have civil service or reinstatement eligibility will not obtain civil service status if selected. Candidates currently in the competitive service will be required to waive competitive civil service rights if selected. Usual civil service benefits (retirement, health benefits, and life insurance) are applicable for appointments of more than one year. Temporary appointments may not exceed three years.

**Visiting Scientist Appointment:** Appointment to this position will be made under the Excepted Authority of the NSF Act. Visiting Scientists are on non-paid leave status from their home institution and placed on the NSF payroll. NSF withholds Social Security taxes
and pays the home institution's contributions to maintain retirement and fringe benefits (i.e.,
health benefits and life insurance), either directly to the home institution or to the carrier.
Appointments are usually made for a one-year period and may be extended for an
additional year by mutual agreement.

Candidates must have a Ph.D. in an appropriate engineering field, plus after award of the
degree, six or more years of successful research, research administration, and/or managerial
experience pertinent to the position.

In addition, expertise with respect to materials engineering and processing is highly desired. The position also requires effective oral and written communication skills, and familiarity with NSF programs and activities. The candidate is expected to function effectively as a member of crosscutting and interactive teams as well as an individual contributor. The candidate must also demonstrate a capability to work across government agencies to promote NSF activities and to leverage program funds through interagency collaborations.

Applications will be accepted from U.S. Citizens. Recent changes in Federal Appropriations
Law require Non-Citizens to meet certain eligibility criteria to be considered. Therefore, Non-
Citizens must certify eligibility by signing and attaching this Citizenship Affidavit to their
application. This also applies to individuals considered for Intergovernmental Personnel Act
(IPA) assignments to NSF. Non-citizens who do not provide the affidavit at the time of
application will not be considered eligible.

To apply, email a single PDF document that includes (i) a cover letter outlining qualifications
for the position, (ii) a curriculum vitae, (iii) Citizen affidavit, as applicable, to Dr. Mary M.
Toney (mtoney@nsf.gov). The job location is at NSF headquarters in Alexandria, VA. Formal
consideration of interested applications will begin May 15, 2019, and will continue until a
selection is made with an intended start date of Fall 2019.

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HIGHLY QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION.