



Funding Opportunities

April 25, 2022

National Science Foundation

Faculty Early Career Development Program | Deadline: July 27, 2022 by 5:00 p.m.

CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from early-career faculty at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

PECASE: Each year NSF selects nominees for the Presidential Early Career Awards for Scientists and Engineers (PECASE) from among the most meritorious recent CAREER awardees. Selection for this award is based on three important criteria: The criteria are 1) performance of innovative research at the frontiers of science, engineering, and technology that is relevant to the mission of the sponsoring organization or agency, 2) community service demonstrated through scientific leadership, education or community outreach, and 3) commitment to STEM equity, diversity, accessibility, and/or inclusion. These awards foster innovative developments in science and technology, increase awareness of careers in science and engineering, give recognition to the scientific missions of the participating agencies, enhance connections between fundamental research and national goals, and highlight the importance of science and technology for the Nation's future. Individuals cannot apply for PECASE. These awards are initiated by the participating federal agencies. At NSF, up to twenty-six nominees for this award are selected each year from among the PECASE-eligible CAREER awardees most likely to become the leaders of academic research and education in the twenty-first century. The White House Office of Science and Technology Policy makes the final selection and announcement of the awardees.

Estimated Number of Awards: 500 per year

Anticipated Funding Amount: \$250,000,000

This annual amount is approximate, includes new and continuing increments, and is subject to availability of funds.

Additional Information: [NSF 22-586](#)

Department of Energy

CABLE Conductor Manufacturing Prize, Stage 2 | Deadline: December 1, 2022

The Advanced Manufacturing Office (AMO) has opened Stage 2 of the Conductivity-enhanced materials for Affordable, Breakthrough Leapfrog Electric and thermal applications (CABLE) Conductor Manufacturing Prize. This three-stage competition will award up to \$4.5 million to accelerate the development of affordable, manufacturable materials that conduct electricity more efficiently to upgrade our manufacturing and transportation infrastructures.

In Stage 1, teams submitted breakthrough concepts for more conductive materials that could be used for both electrical and thermal energy applications. Stage 2 will award up to \$1.8 million to support electrical conductivity testing – requiring teams to produce a sample of their material for evaluation by CABLE Prize-approved testing labs. Stage 2, competitors will also prepare preliminary commercialization plans to scale-up and manufacture their materials.

STAGE 2 IS NOT LIMITED TO STAGE 1 WINNERS. New competitors, along with all teams that participated in Stage 1, can compete in Stage 2 of the prize. During the second stage, teams will compete for up to 6 \$200,000 cash awards, and \$100,000 noncash vouchers for technical assistance from one of DOE's national laboratories or other American-Made Challenge Network providers.

Only competitors who win Stage 2 will move on to the third and final stage of the competition, wherein they will manufacture a larger sample of their conductivity-enhanced materials for conductivity and additional testing and develop more detailed plans to commercialize their designs. Up to four winning teams will split a total prize pool of at least \$2 million in Stage 3

Additional Information: [Overview](#), [Official Rules](#), [Submission Portal](#)

Informational Webinar: May 17, 3:00 PM EST. [Register here](#).

