

Summer Undergraduate Research Opportunities at NIST

The National Institute of Standards and Technology (NIST) is now accepting applications for the 2018 Summer Undergraduate Research Fellowships (SURF) programs at its Gaithersburg, MD and Boulder, CO locations. These programs provide research opportunities for undergraduate students to work with internationally known NIST scientists and gain exposure to cutting-edge research. Each Summer, SURF provides opportunities for more than 100 students to spend time (9 to 11 weeks) at one of the six NIST Laboratories at the Gaithersburg location or five NIST program fields at the Boulder location.

The SURF programs are supported by the National Science Foundation (NSF). During the Summer, students meet with peers and gain valuable hands-on research experience. In 2017, NIST host about 190 students at the Gaithersburg location and 22 students at the Boulder location. The laboratories at the Gaithersburg location include: Center for Nanoscale Science and Technology (CNST), Engineering (EL), Information Technology (ITL), Material Measurement (MML), Center for Neutron Research (NCNR), and Physical Measurement (PML). The programs at the Boulder location include: Applied Chemicals Engineering, Electrical Engineering, Information Technology, Materials Science, and Physics.

To be eligible, students must be undergraduates at a U.S. college or university and enrolled in a scientific major with a GPA of at least 3.0 or better and considering the pursuit of a graduate degree (M.S. or Ph.D.) Students with physics, material science, chemistry, mathematics, computer science or engineering majors are encouraged to apply. There may be opportunities for students in other scientific majors.

Applications must be submitted by the college or university and not by individual students. Any undergraduate student who wants to participate in one of the NIST SURF programs must contact the appropriate person at his/her college or university to advise if his/her intent to participate. At Cornell University, the contact person is Dr. Mark Lewis, Senior Associate Dean of Diversity and Faculty Development in the School of Operations Research and Information Engineering. Dr. Lewis is located at 221 Rhodes Hall and can be reached at 607-255-0757 or mark.lewis@cornell.edu

The application and additional program information for the SURF program can be found here:

For Gaithersburg: <http://www.nist.gov/surfgaithersburg/welcome1.cfm>

For Boulder: <http://www.nist.gov/surfboulder/index.cfm>

Interested students should submit the application and following documentation/information to Dr. Lewis by 5:00 on Thursday, **January 25, 2018**:

- NIST SURF Program student application forms. (These are different for each location) This consists of a cover page and the Student Application form.
- Resume
- Two Letters of recommendation
- Transcripts
- Personal statement of commitment to participate and a description of your prioritized research interests
- Proof of US Citizenship or US Permanent Residency