

REU Supplements are included as a component of proposals for new or renewal NSF grants or cooperative agreements or may be requested for ongoing NSF-funded research projects. By offering this opportunity to undergraduate students the REU program seeks to expand student participation in all kinds of research—both disciplinary and interdisciplinary—encompassing efforts by individual investigators, groups, centers, national facilities, and others. It draws on the integration of research and education to attract a diverse pool of talented students into careers in science and engineering, including teaching and education research related to science and engineering, and to help ensure that these students receive the best education possible.

The data collection intends to assess the impact of REU participation on career pathways and will be done through an online survey. The researchers will collect data from past participants including the students and the mentors with a separate survey customized for each group. The specific evaluation objectives are:

1. Identify the career trajectory of the REU participants since their participation in the REU program including degrees they received, institutions they attended, and their current status (e.g., employed, graduate students).

2. Document the structure of the REU experience that the respondents participated in. These may include the type of REU (e.g., Site, Supplement), location of REU, and timing of REU.

3. Describe the REU mentors' perceptions of the REU program on the student participants and the mentors' career development.

4. Examine the skills the participants gained and experiences they had during their REU participation. These may include technical skills, information on graduate school application process, and research training.

5. Analyze the relationships between REU participation and career pathways specifically focusing on whether these experiences are associated with the participants' interest in and ultimate selection of research careers in computing.

Ultimately, the findings from the analysis of this data collection will be used to improve the impact of CISE REU Program in order to better reach its goals of providing meaningful research opportunities to undergraduate students and, in doing so, attracting a broad range of students to computing/STEM careers.

*Use of information:* The information collected through this survey will be used to evaluate the NSF CISE REU Program.

*Expected Respondents:* The survey will be sent to students and mentors who participated in the NSF CISE REU Program through an REU Site or a Supplement. Further, in order to obtain data from an appropriate comparison group, the researchers will also include participants of other REUs and similar activities. The CISE REU Program participant list will be obtained from NSF and comparison group participants will be culled from a list of individuals previously surveyed by the researchers. The estimated number of individuals who will be receiving this survey is 25,000. Based on an approximate response rate of 30%, there will be an estimated 7,500 respondents when the data collection is completed.

*Average time per respondent:* The online survey is designed to be completed in 20 minutes or less.

*Frequency:* Each respondent will be asked to complete this survey once during late summer/early fall 2021.

*Estimated burden on public:* Based on 7,500 estimated responses and 20 minutes per respondent, the estimate for this data collection is 2,500 burden hours.

*Comments:* Comments are invited on:

1. Whether the proposed collection of information is necessary for the evaluation of the CISE REU Program.

2. The accuracy of the NSF's estimate of the burden of the proposed collection of information.

3. Ways to enhance the quality, utility, and clarity of the information on respondents, including through the use of automated collection techniques or other forms of information technology.

4. Ways to minimize the burden of the collection of information on those who are to respond, including through the use of automated collection techniques or other forms of information technology.

Dated: April 6, 2021.

**Suzanne H. Plimpton,**

*Reports Clearance Officer, National Science Foundation.*

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## NATIONAL SCIENCE FOUNDATION

### Notice of the Networking and Information Technology Research and Development Program's Advanced Wireless Test Platform (AWTP) Team and the Federal Mobility Group (FMG) Virtual Joint 5G Workshop

**AGENCY:** Networking and Information Technology Research and Development (NITRD) National Coordination Office (NCO), National Science Foundation.

**ACTION:** Notice of virtual workshop.

**SUMMARY:** The NITRD Advanced Wireless Test Platform (AWTP) Team and Federal Mobility Group (FMG) Joint 5G Workshop will consist of two half-day sessions with a focus on advancing the FMG work product—*Framework to Conduct 5G Testing*—by exploring its applicability to specific 5G inspired use cases. It will provide moderated exercises where participants will walk through the process identified in the framework document, with two selected Federal 5G use cases. The goal is to provide an overview of the process and the testing framework elements needed to conduct 5G testing for different use cases. It will also allow participants to learn about Federal 5G use cases and requirements from key stakeholders. The intended outcomes of this workshop are to build awareness of the critical need for evolving 5G best-in-class test practices, and to connect 5G labs or testbeds with Federal agencies and 5G component vendors.

**DATES:** April 27–28, 2021.

**ADDRESSES:** The AWTP and FMG Joint 5G Workshop will be held virtually through Zoom for Government.

*Instructions:* Registration is required; registration link will be available a week before the workshop. For more information on the workshop, agenda, and registration, please see the workshop website: <https://www.nitrd.gov/nitrdgroups/index.php?title=AWTP-FMG-Joint-5G-Workshop>.

#### FOR FURTHER INFORMATION CONTACT:

Mallory Hinks at [AWTP-FMG-5G-Workshop@nitrd.gov](mailto:AWTP-FMG-5G-Workshop@nitrd.gov), or via phone at 202-459-9674. Individuals who use a telecommunications device for the deaf (TDD) may call the Federal Information Relay Service (FIRS) at 1-800-877-8339 between 8 a.m. and 8 p.m., Eastern time, Monday through Friday.

#### SUPPLEMENTARY INFORMATION:

*Background/Objectives/Overview/etc.:* This notice is issued on behalf of the NITRD AWTP Team and the FMG. This virtual 5G workshop will focus on the Framework to Conduct 5G Testing. It

will provide moderated exercises where participants will walk through the process identified in the framework document, with two selected Federal 5G use cases. The workshop will be held virtually on April 27–28, 2021 from 10 a.m. (ET) to 1:30 p.m. (ET) each day.

### Objectives

- Provide an overview of the process (“How to use the framework to build a test capability”) as well as the testing framework modules or elements in the 5G testing framework whitepaper, needed to conduct 5G testing for different use cases.

- Learn about federal 5G use cases and requirements from key stakeholders.

- Hear from the testbed vendor and research community about the requirements, resources, approaches of building or operating a 5G infrastructure testbed (with discussion of the capabilities and main modules in Radio Access Networks (RAN) and core), specifically for two innovative 5G use cases: Smart Warehouse and Unmanned Aerial Vehicle (UAV)/Drone.

- Learn more about the real-world methodologies of developing 5G testing cases with key performance indicators or testing metrics as well as of conducting 5G testing and experimentation with the 5G infrastructure testbed from the testbed vendors’ and researchers’ viewpoint. What are the challenges encountered?

- Collaborate with 5G testbed vendor and researcher community to understand how the 5G testbed framework whitepaper would add value. What aspects of the whitepaper do the testbed vendors and researchers find most useful in helping to build a 5G testbed, develop 5G testing cases, and conduct 5G testing? What are the lessons learned or gaps when applying the 5G testbed framework to real-world 5G testing and experimentation?

### Intended Outcome

The intended outcomes of this workshop are to build awareness of the critical need for evolving 5G best-in-class test practices, and to connect 5G labs or testbeds with Federal agencies and 5G component vendors.

Submitted by the National Science Foundation in support of the Networking and Information Technology Research and Development

(NITRD) National Coordination Office (NCO) on April 7, 2021.

**Suzanne H. Plimpton,**  
*Reports Clearance Officer, National Science Foundation.*

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## NUCLEAR REGULATORY COMMISSION

[NRC–2020–0236]

### Information Collection: Licenses and Radiation Safety Requirements for Irradiators

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Notice of submission to the Office of Management and Budget; request for comment.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) has recently submitted a request for renewal of an existing collection of information to the Office of Management and Budget (OMB) for review. The information collection is entitled, “Licenses and Radiation Safety Requirements for Irradiators.”

**DATES:** Submit comments by May 12, 2021. Comments received after this date will be considered if it is practical to do so, but the Commission is able to ensure consideration only for comments received on or before this date.

**ADDRESSES:** Written comments and recommendations for the proposed information collection should be sent within 30 days of publication of this notice to <https://www.reginfo.gov/public/do/PRAMain>. Find this particular information collection by selecting “Currently under Review—Open for Public Comments” or by using the search function.

#### FOR FURTHER INFORMATION CONTACT:

David Cullison, NRC Clearance Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001; telephone: 301–415–2084; email: [Infocollects.Resource@nrc.gov](mailto:Infocollects.Resource@nrc.gov).

#### SUPPLEMENTARY INFORMATION:

### I. Obtaining Information and Submitting Comments

#### A. Obtaining Information

Please refer to Docket ID NRC–2020–0236 when contacting the NRC about the availability of information for this action. You may obtain publicly available information related to this action by any of the following methods; however, the NRC encourages electronic

comment submission through the Federal Rulemaking website:

- **Federal Rulemaking Website:** Go to <https://www.regulations.gov/> and search for Docket ID NRC–2020–0236. A copy of the collection of information and related instructions may be obtained without charge by accessing Docket ID NRC–2020–0236 on this website.

- **NRC’s Agencywide Documents Access and Management System (ADAMS):** You may obtain publicly available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1–800–397–4209, 301–415–4737, or by email to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). The supporting statement is available in ADAMS under Accession No. ML21054A043.

- **Attention:** The PDR, where you may examine and order copies of public documents, is currently closed. You may submit your request to the PDR via email at [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov) or call 1–800–397–4209 or 301–415–4737, between 8:00 a.m. and 4:00 p.m. (EST), Monday through Friday, except Federal holidays.

- **NRC’s Clearance Officer:** A copy of the collection of information and related instructions may be obtained without charge by contacting the NRC’s Clearance Officer, David Cullison, Office of the Chief Information Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001; telephone: 301–415–2084; email: [Infocollects.Resource@nrc.gov](mailto:Infocollects.Resource@nrc.gov).

#### B. Submitting Comments

The NRC encourages electronic comment submission through the Federal Rulemaking website (<https://www.regulations.gov>). Please include Docket ID NRC–2020–0236, in your comment submission.

The NRC cautions you not to include identifying or contact information in comment submissions that you do not want to be publicly disclosed in your comment submission. The NRC will post all comment submissions at <https://www.regulations.gov> as well as enter the comment submissions into ADAMS. The NRC does not routinely edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the OMB, then you should inform those persons not to include identifying or contact information that they do not want to be publicly disclosed in their comment