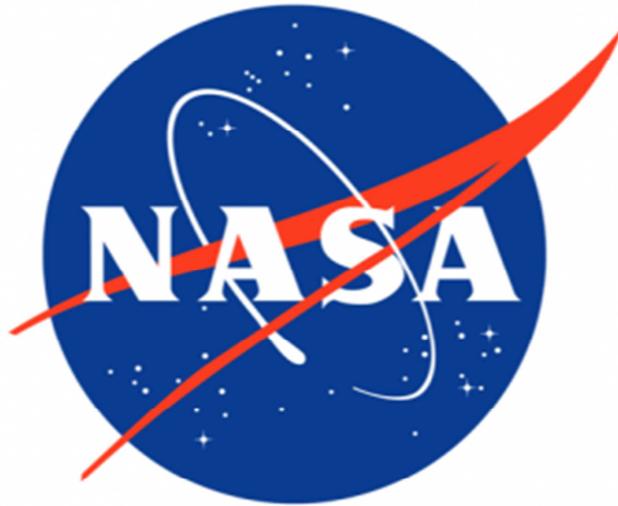


NASA Space Radiation Summer School 2017

22.01.2017



Deadline: 12 February 2017

Open to: graduate students and postdoctoral fellows with an interest in the radiation sciences (biology, physics, and engineering)

Venue: 5–23 June 2017 at the Brookhaven National Laboratory (Upton, USA)

Description

The goal of NASA's Space Radiation Program Element (SRPE) is to enable humans to explore space without exceeding an acceptable level of risk from exposure to space radiation.

To achieve this goal, the SRPE pursues a robust and active research program that encompasses biological, biomedical and radiation physics expertise to provide:

- Recommendations for space radiation permissible exposure limits for exploration missions
- Discovery of the mechanisms of biological effects from celestial radiation such as protons and heavy ions, including potential differences between celestial and terrestrial radiation, such as X-rays or gamma-rays in producing biological effects
- Radiobiological data, projection models, and computational tools to assess and project astronauts risk of cancer, central nervous system and degenerative diseases, and acute radiation syndromes from space radiation
- Computational tools and models to project astronaut risk and to assess vehicle design for radiation protection
- Assessment of updated technologies if needed, for monitoring radiation exposure, and recommendations on technologies to be used operationally
- Uncertainty reductions to enable radiation protection design and crew constraints for lunar and Mars missions

- Discovery of biological countermeasures for space radiation risks, and the accurate assessment of the effectiveness of physical, biological, or biological countermeasures or mitigations

The purpose of this web site is to communicate news and to promote awareness of the SRPE research program and activities.

Eligibility

The NASA Space Radiation Summer School ("NSRSS") is designed for graduate students and postdoctoral fellows with an interest in the radiation sciences (biology, physics, and engineering). Faculty can be considered as auditors under special circumstances. Both foreign nationals and U.S. citizens may apply to the program. All selected students must satisfy Brookhaven National Laboratory safety and security requirements in order to be admitted. In addition, due to the intense nature of the three-week course, selected students must possess oral and written proficiency in the English language.

Foreign nationals interested in applying for the NSRSS should review the [visa information and requirements for temporary entrance into the United States](#). (Adobe PDF viewer required)

Application

1. Applicants must meet the following eligibility requirements:
 - Oral and written proficiency in English required due to intense course content.
 - Selected applicants located outside the United States must confirm their ability to provide for travel to/from the U.S.
2. Obtain the following four supporting documents, which are required to complete the online application process:
3. **Current Curriculum Vitae**
Your curriculum vitae should contain your contact information and your educational and academic background (including any degrees held and current university enrollment, if applicable) as well as teaching and research experience, publications, presentations, awards, honors, affiliations, grants or fellowships, professional associations, and licenses. Be certain to provide your correct e-mail address, as this will be the primary mode of communication with all applicants.
4. **Two Letters of Recommendation**
Letters of recommendation should be provided on institutional/business letterhead with the contact information and signature of the recommending person. Letters without a handwritten or electronic signature will not be accepted. At least one of the recommendation letters should include details regarding the applicant's level of proficiency in the English language. Letters should be sent to Katy Buckaloo at katy.buckaloo@gmail.com or uploaded via the online application process.
5. **Statement of Intent** (maximum 300 words)
The Statement of Intent should clearly explain what goals you hope to achieve by attending the NASA Space Radiation Summer School and how the school would complement your specific research interests. The maximum length is 300 words.
6. All four supporting documents must be uploaded during the online application process. These documents will be accepted in Adobe PDF or Microsoft Word

document format. Please format the documents for an 8½” x 11” page. **NOTE: You should obtain the necessary supporting documents prior to accessing the online application form.**

7. Be sure to attach and upload the correct files from your computer. Once an application form is submitted with four attached files, no document substitutions are accepted by the online application system.
8. Only **COMPLETE APPLICATIONS** submitted through the online application process before the posted deadline of **11:59 p.m. U.S. Central Time on Sunday, February 12, 2017** will be considered. Hard copy/paper applications will not be considered.
9. Complete the Online Application Process:

After you have obtained the required supporting documents, you may begin the application process.

In order to apply, **register [HERE](#)**.

If you have any questions or need assistance with the application process, contact Katy Buckaloo at  katy.buckaloo@gmail.com. or 832-978-9542.