

NASA's "Living With A Star"

2023 Heliophysics Summer School

Observational Heliophysics

Remote Phase: July 17 - 21, 2023

In-Person Phase: August 7 - 11, 2023

[In-Person Boulder, Colorado]

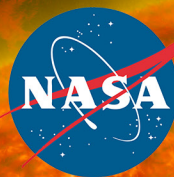
In the last two decades, observations of the space environment and the broader heliosphere environment has grown tremendously with dozens of spacecraft missions, and a full range of ground based efforts. Individual instruments use a variety of fundamental techniques and understanding the details of these measurements are important to interpreting the results and building a model of the space environment. This summer school will review those techniques including: spectroscopy, plasma measurements, magnetometers, radio astronomy and ionosondes, energetic particle detectors, and energetic neutral atoms and others.

We are seeking graduate students - from masters through postdoctoral fellows - to join us this coming summer for a unique professional experience.

During the summer school, participants will learn about the fundamental physics of these measurements, how they are implemented in spacecraft and ground based instruments, practice critical analysis of data with an eye towards uncertainties and errors, consider the stakeholders and consumers of the data sources, and discuss the tension between intellectual property and open science with respect to this data.

APPLY NOW!

Application Deadline: March 3, 2023



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Please find more information and application instructions at: heliophysics.ucar.edu