



# HIGH ENERGY DENSITY SCIENCE SUMMER SCHOOL

JULY 17<sup>TH</sup> – JULY 28<sup>TH</sup>  
2023

This **two-week** workshop will promote scholastic development through technical lectures given by **field experts** as well as career development sessions aimed at young researchers in **High Energy Density Science** fields of study.

The workshop is organized by the NNSA Center for Excellence: the **Center for Matter Under Extreme Conditions**.

Housing, food and travel costs will be covered for up to a total of **60** undergraduate, graduate students and postdocs. The program is also open to research scientists for a nominal registration fee.

## TOPICS OF INTEREST INCLUDE:

- Radiation and atomic physics in plasmas
- Laser-driven hydrodynamics and shocks
- Diagnostic methods and existing platforms
- Panel discussion on career options in HEDS
- Laser Plasma Interactions
- Analytical modeling of plasmas
- Coding workshop including: PIC, Radiation Hydrodynamics & Spectroscopic modeling
- Student/postdoc oral and poster presentations

For More Information and to Register Visit:  
[cer.ucsd.edu/hedssummerschool](http://cer.ucsd.edu/hedssummerschool)

 CMEC