PPPL PRINCETON PLASMA PHYSICS LABORATORY

PRINCETON UNIVERSITY

Welcome to the 2019 PPPL Graduate Summer School

Presenters: Steve Cowley, Ahmed Diallo, Lan Gao, Walter Guttenfelder, Ammar Hakim, Shaun Haskey, Mike Jaworski, Igor Kaganovich, Brian Kraus, Jose Lopez, Yevgeny Raitses, and Jason TenBarge

Hosted by: Arturo Dominguez and the Science Education Department

Target audience of the PPPL GSS

- While there are several plasma “summer schools” they are usually focused on advanced topics in plasma physics (e.g. Sherwood conference, Michigan HEDP, etc,).
- The PPPL Summer School is intended for a broad plasma physics audience.
- Target audience is students who are early in their graduate careers and may use the content to guide their research.

The GSS features 4 mini-courses (4 lectures each)

Turbulence

Dr. Jason TenBarge

Dr. Walter Guttenfelder

Prof. Steven Cowley

Computational Physics

Dr. Ammar Hakim

Low Temperature Plasmas

Dr. Igor Kaganovich

Dr. Yevgeny Raitses

Prof. Jose Lopez

Diagnostics

Dr. Ahmed Diallo

Dr. Lan Gao

Brian Kraus

Dr. Shaun Haskey

Dr. Mike Jaworski

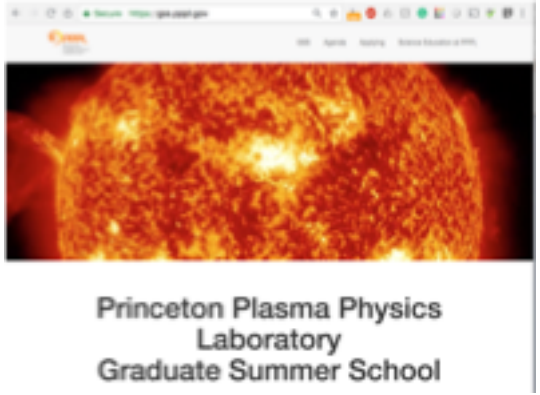
Other activities at the GSS

- Monday-Wednesday an hour is reserved for student presentations.
- On Wednesday, participants will attend the undergraduate poster session.
- On Thursday there is a tour of PPPL
- Participants will present on their research / group's research Thursday afternoon.
- Thursday evening there will be a banquet with presenters and PPPL graduate students.
- Meet with PPPL graduate students at the Friday grad coffee hour.

Streaming and archiving

- All talks will be streamed at the GSS website: https://gss.pppl.gov/
- They will become available later to view on the site.
- This follows the model of the PPPL SULI undergraduate internship one week course: https://suli.pppl.gov/

GSS site



SULI site

Make the most of the GSS

- Ultimately, the PPPL GSS is a chance for graduate students from all across the country in different fields of plasma physics to come together and meet the scientists and students of PPPL.
- Take this opportunity to practice your presentation skills in a friendly setting.
- Explore fields of plasma physics you're unfamiliar with.
- Ask lots of questions!