



5th US Low Temperature Plasma Summer School

North Carolina State University, Raleigh, NC, June 15 – 19, 2026

The US Low Temperature Plasma Summer School (USLTPSS) provides an opportunity for graduate students, post-docs, early career investigators and researchers new to the field to be immersed in the fundamentals and applications of low temperature plasmas for one week and to learn from leading researchers in their field. It is our hope that the USLTPSS will also strengthen our dynamic low temperature plasma community.

Organizers:

Mark J. Kushner
(University of Michigan)

Peter J. Bruggeman
(University of Minnesota),

Katharina Stapelmann,
Steven C. Shannon

(North Carolina State
University)

Attendance is limited. Please apply for enrollment in the USLTPSS following [this link](#).

Successful applicants will be provided a registration link.

Application Deadline: April 30, 2026

Registration Deadline: May 17, 2026

Registration Fee: \$300 (including most meals and university dormitory accommodation for students, post-docs)

Tentative Topics

Introduction to Plasmas | Low Pressure Plasmas | High Pressure Plasmas | Magnetized Plasmas and Plasma Wave Interactions | Plasma Kinetics | Dusty Plasmas | Plasma Source and Power Design | Plasma Chemistry | Thermal Plasmas | Plasma Biotechnology | Environmental / Agriculture | Chemical Conversion | Electric Propulsion | Materials Processing (low pressure) | Materials Processing (High pressure)

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