



2nd United States Low Temperature Plasma Summer School

University of Michigan, Ann Arbor, MI

June 26-30, 2023

https://mipse.umich.edu/summer_school_2023.php

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. The US location enables a new cohort of students to benefit from this experience. It is our hope that the USLTPSS will also strengthen our dynamic low temperature plasma community.

Since attendance is limited, we first ask potential attendees to apply for enrollment in the USLTPSS. Successful applicants will be provided a registration link.

Application: Fill out form from the link at the bottom of https://mipse.umich.edu/summer_school_2023.php

Application deadline: April 1, 2023

Registration deadline: May 1st, 2023 or until the maximum number of participants is reached

Registration fee: \$250 (including most meals and university dormitory accommodation for students, post-docs)

Please direct questions to Prof. Mark J. Kushner, mjkush@umich.edu.

Lecturers and Topics:

Prof. Scott Baalrud, University of Michigan	Introduction to LTPs
Prof. Uwe Czarnetzki, Ruhr University Bochum	Low Pressure Plasmas
Prof. Jose Lopez, Seton Hall University	High Pressure Plasmas
Prof. Ken Hara, Stanford University	Magnetized Plasmas and Plasma Wave Interactions
Prof. Uwe Kortshagen, University of Minnesota	Plasma Reactions and Plasma Chemistry
Prof. Gottlieb Oehrlein, University of Maryland	Low Pressure Plasma-Surface Interactions
Prof. Katharina Stapelmann, North Carolina State U.	High Pressure Plasma-Surface Interactions
Prof. Steven Shannon, North Carolina State Univ.	Plasma Source and Power System Design
Prof. Javad Mostaghimi, University of Toronto	Thermal Plasmas
Prof. Ed Thomas, Auburn University	Dusty Plasmas
Prof. Peter Bruggeman, University of Minnesota	Diagnostics
Prof. Mark J. Kushner, University of Michigan	Modeling
Dr. Daphne Pappas, Plasmatreat Inc.	Materials Processing and Functionalization
Prof. Selma Mededovic Thagard, Clarkson Univ.	Environmental and Agricultural Applications
Prof. David B. Graves, Princeton University	Health Applications
Prof. Mitchell Walker, Georgia Tech University	Electric Propulsion
Prof. Igor Adamovich, The Ohio State University	Combustion and Flow Control
Prof. Elijah Thimsen, Washington U. – St. Louis	Energy Applications

Organizers: Peter J. Bruggeman (University of Minnesota), Mark J. Kushner (University of Michigan)

Advisory Board:

Jane Chang (University of California, Los Angeles)

Daphne Pappas (Plasmatreat, USA Inc)

Steven Shannon (North Carolina State University)

Uwe Czarnetzki (Ruhr University, Bochum)

Edward Thomas (Auburn University)