US Low Temperature Plasma Summer School (v05)
University of Michigan
24-28 June 2024
(Tentative Schedule)

Monday	**24 June**		
Lecture Hall (TBD)	08:00-08:20	*Registration and Breakfast*	
	08:20-08:30	Introduction to Summer School	Peter Bruggeman and Mark Kushner
	08:30-10:00	1-Introduction to Plasmas	Scott Baalrud University of Michigan
	10:00-10:30	*Break*	
	10:30-12:00	2-Low Pressure Plasmas	Uwe Czarnetzki Ruhr University
	12:00-13:30	*Lunch*	
Lecture Hall (TBD)	13:30-15:00	3-High Pressure Plasmas	Katharina Stapelmann North Carolina State University
	15:00-15:30	*Break*	
	15:30-17:00	4-Magnetized Collisional Plasmas and Plasma Wave Interactions	Larry Overzet University of Texas at Dallas
Michigan League	17:30-19:30	*Poster Session and light dinner/refreshments*	
Tuesday	**25 June**		
Lecture Hall (TBD)	08:00-08:30	*Breakfast*	
	08:30-10:00	5-Plasma Kinetics and Reactions	Uwe Kortshagen University of Minnesota
	10:00-10:30	*Break*	
	10:30-12:00	6-Thermal Plasmas	Javad Mostaghimi University of Toronto
	12:00-13:30	*Lunch*	
Lecture Hall (TBD)	13:30-15:00	7-Dusty Plasmas	Ed Thomas Auburn University
	15:00-15:30	*Break*	
	15:30-17:00	8- Plasma Sources and Power System Design	Steve Shannon North Carolina State University
		Free night	
Wednesday	**26 June**		
Lecture Hall (TBD)	08:00-08:30	*Breakfast*	
	08:30-10:00	9-Plasma Chemistry	Mark Kushner University of Michigan
	10:00-10:30	*Break*	
	10:30-12:00	10-Fluid Modeling of LTPs	Juan Trelles Univ. of Masschusetts-Lowell
	12:00-12:15	Group Photograph	
	12:15-13:30	*Lunch*	
Lecture Hall (TBD)	13:30-15:00	11-Diagnostics	Peter Bruggeman University of Minnesota

UM North Campus		15:30-18:00	*Lab Tours/Hands On Experiences*	
Thursday	**27 June**			
Lecture Hall (TBD)		08:00-08:30	*Breakfast*	
		08:30-09:45	12-Materials Processing and Functionalization	Daphne Pappas PlasmaTreat, Inc.
		09:45-10:00	*Break*	
		10:00-11:15	13-Plasma Biotechnology	Stephan Reuter Polytechnique Montreal
		11:15-12:30	14-Combustion and Flow Control	Igor Adamovich Ohio State University
		12:30-14:00	*Lunch*	
Lecture Hall (TBD)		14:00-15:15	15-Environmental and Agricultural Applications	Selma Mededovic Thagard Clarkson University
		15:15-16:30	16-Energy Applications	Elijah Thimsen Washington University-St. Louis
Rackham Assembly Hall		18:00-20:00	*Banquet and Career Panel Discussion*	
Friday	**28 June**			
Lecture Hall (TBD) *Plasma Materials Processing (PMP) for Microelectronics Fabrication*		08:00-08:30	*Breakfast*	
		08:30-9:45	PMP1-Plasma Etching	Vincent Donnelly University of Houston
		9:45-10:00	*Break*	
		10:00-11:15	PMP2-Plasma Deposition	Erwin Kessels Eindhoven University of Technology
		11:15-12:00	*Early Lunch (at Lecture Hall)*	
		12:00-13:15	PMP3-Feature Level Processes	Satoshi Hamaguchi Osaka University
		13:25-14:30	PMP4-Machine Learning in Plasma Processing	Peter Ventzek Tokyo Electron America