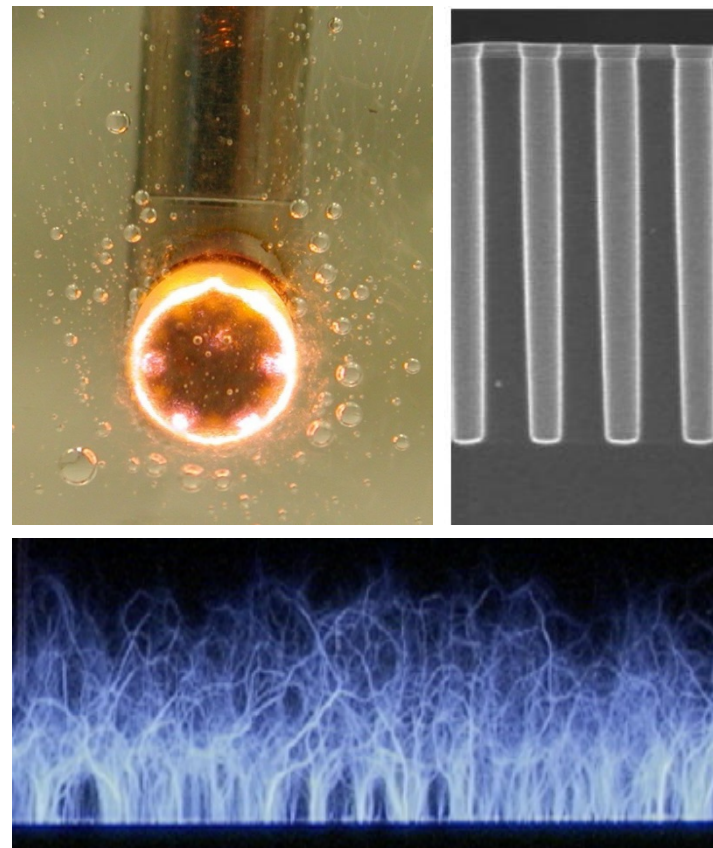


WINTER 2024: EECS 598-001 / NERS 590 PLASMA CHEMISTRY and PLASMA SURFACE INTERACTIONS

Instructor: Prof. Mark J. Kushner (mjkush@umich.edu)

- Low temperature plasmas are used for materials and microelectronics processing, environmental and energy stewardship, displays & biotechnology.
- This course addresses the plasma initiated chemistry and plasma surface interactions of these systems.
- Electron impact, ion-molecule and excited state reactions, radiation transport; and the reaction of these species with inorganic, organic and liquid surfaces will be discussed.
- A global plasma chemistry model will be developed throughout the course.



Monday / Wednesday, 9:00-10:30am