

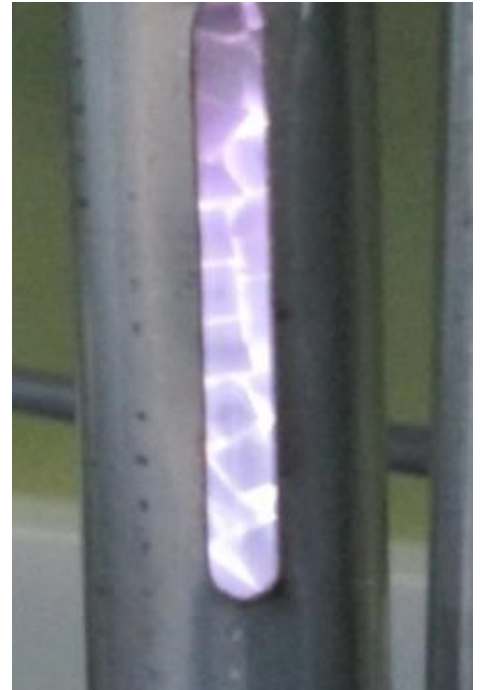
Plasma Research Laboratory

Research:

- CO₂ conversion using packed-bed dielectric barrier discharge (DBD) reactors
- Plasma characterization
- Plasma etching
- Microfabrication

Collaborating Faculty:

Susan M. Stagg-Williams, C&PE
Susan M. Lunte, Chemistry &
Pharmaceutical Chemistry



Packed-bed DBD in Argon
(atmospheric pressure)

Equipment:

Oxford ICP/RIE

Oxford PECVD

Plasma Therm RIE

Plasma Drivers

Jobin-Yvon Triax
Spectrometers

VG Mass spectrometer

Horiba UVISEL
ellipsometer

Karen J. Nordheden

(University of Illinois, 1988)

Associate Professor,
Chemical & Petroleum Engineering

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Courses:

Process Dynamics & Controls, Process Safety & Sustainability, Heat Transfer, Momentum Transfer, Intro. to the Chemical Engineering Profession, Methods of Chemical & Petroleum Calculations, Semiconductor Processing, Properties of Materials.

Go to cpe.ku.edu to learn more.