



Mesoscopic Materials & Plasma Processing

Shyankay Jou

Professor

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Education:

- Ph.D., UCLA

Lectures:

- Materials Science II
- Integrated Circuits Process & Equipment Technologies
- Plasma Discharges and Materials Processing
- Crystallography & X-ray Diffraction

• Mesoscopic Materials

Porous & wrinkly coatings
Cermets coatings
Nanowires & Nanotubes
Nanodiamond
Graphene
Carbon nitride

• Plasma processing

Sputter deposition
Plasma oxidation & nitridation

• Devices

Resistive memory
Photodetectors
Chemical & gas sensors
Field emission

