



Mesoscopic Materials & Plasma Processes

• Mesoscopic Materials

Porous & wrinkly coatings

Cermet coatings

Nanodiamond

Graphene

2D carbon nitride

• Plasma processing

Sputter deposition

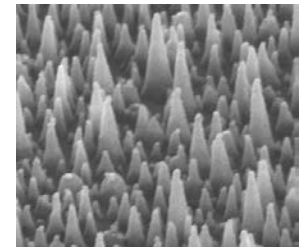
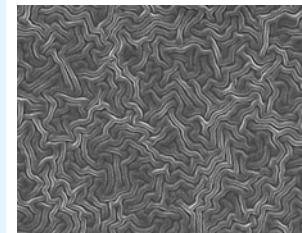
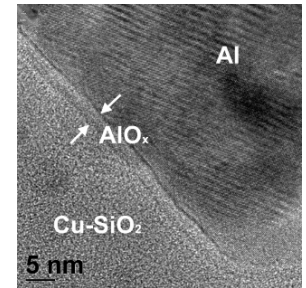
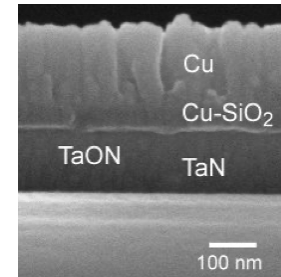
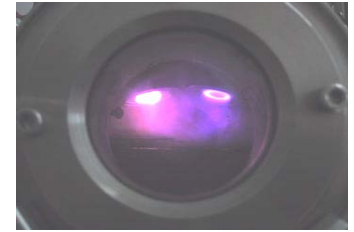
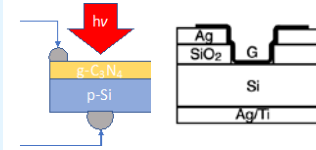
Plasma oxidation & nitridation

• Devices

Resistive memory

Chemical sensors

Photodetectors



Shyankay Jou

Professor

Dept. of Materials Sci. & Eng.

Tel:+886-2-2737-6665

sjou@mail.ntust.edu.tw

Education:

- Ph.D. , UCLA

Lectures:

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

