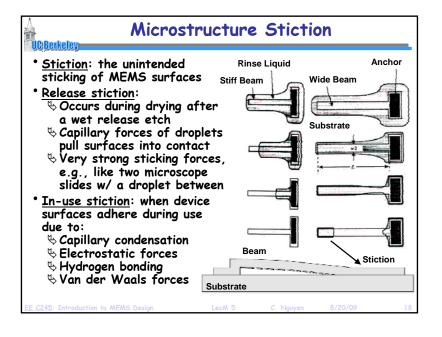
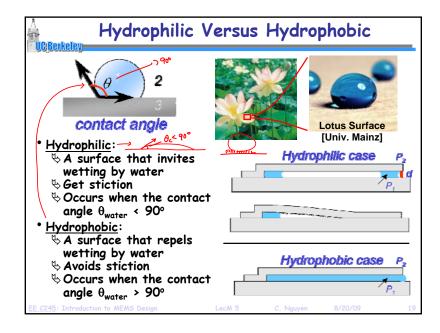
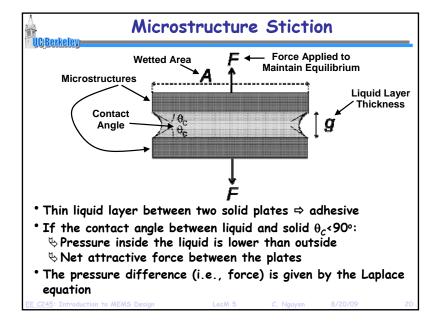
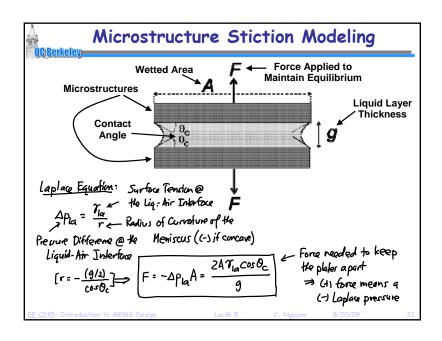
Microstructure Stiction

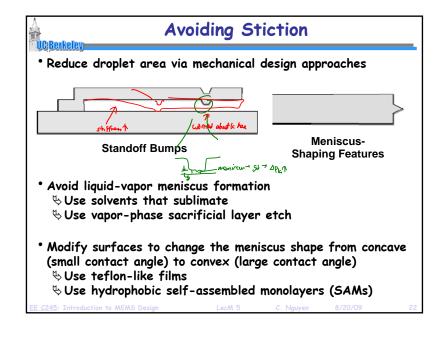
EE C245: Introduction to MEMS Design Lech 5 C. Nguyen 8/20/09 17

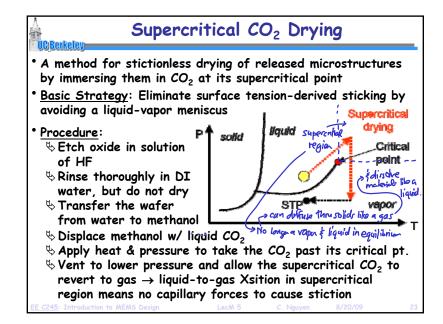


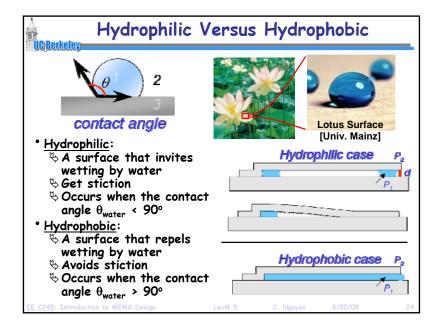


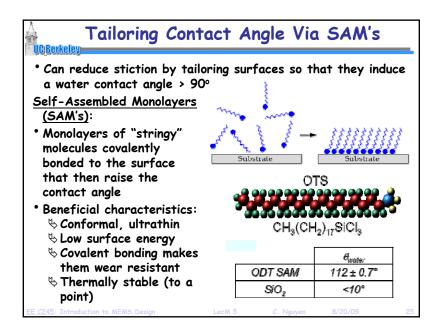


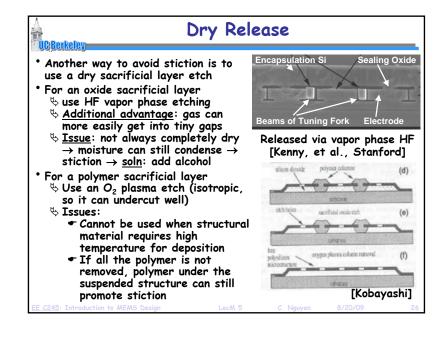


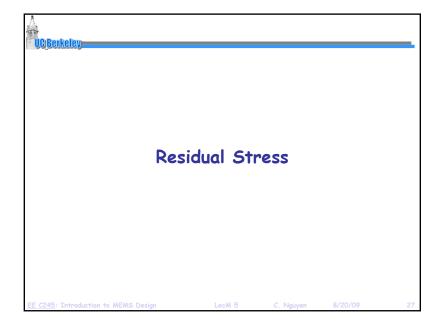


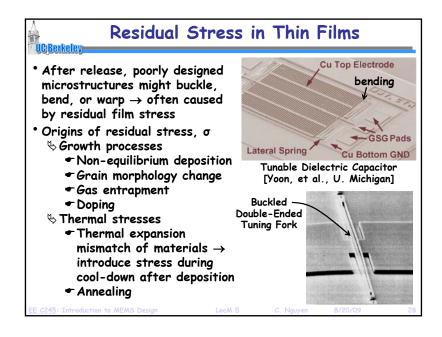


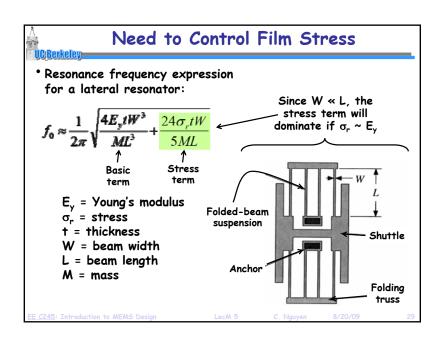


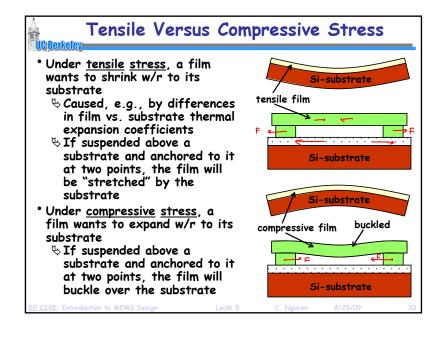


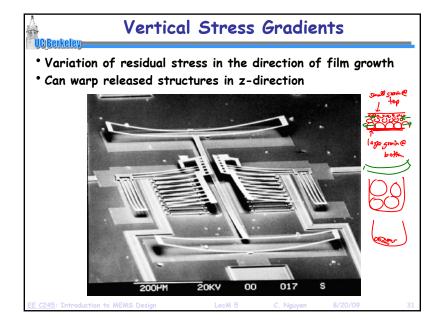


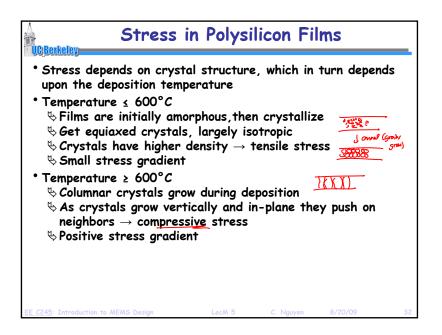


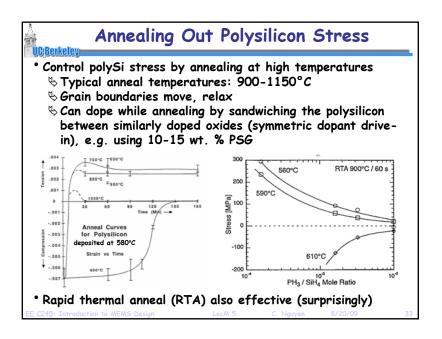


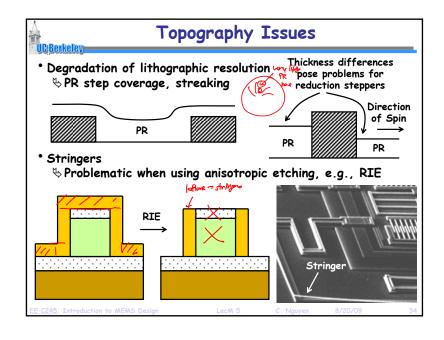




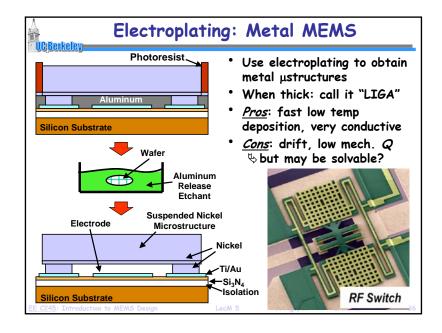


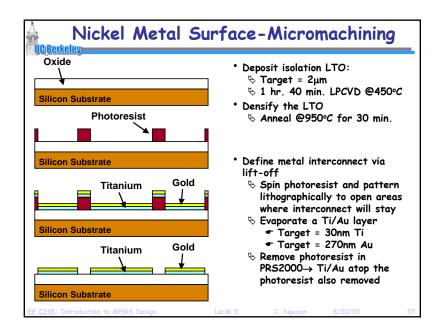


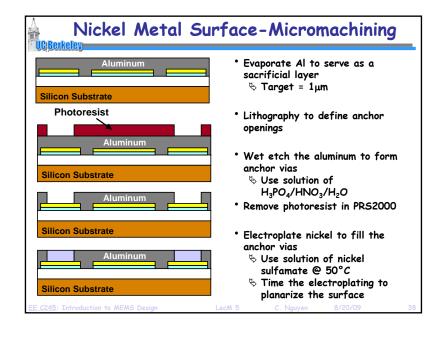


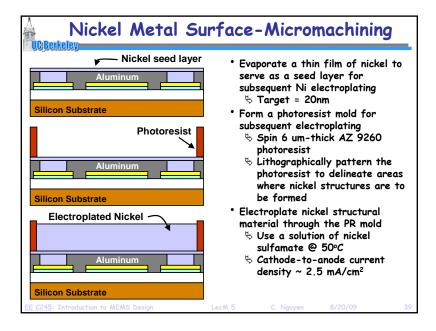


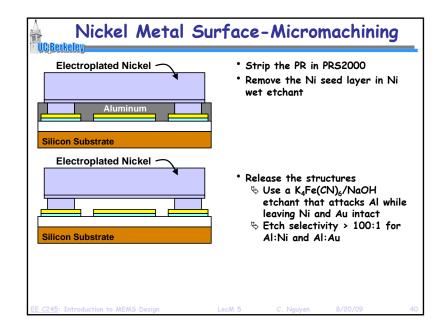












Nickel Surface-Micromachining Example

* Below: Surface-micromachined in nickel using the described process flow

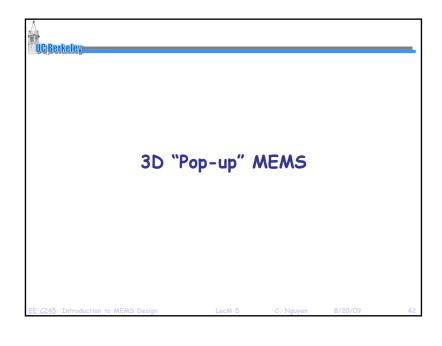
Anchors

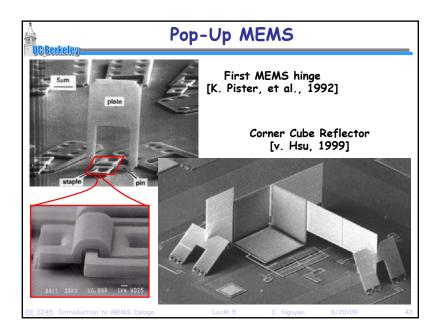
Sense Electrode

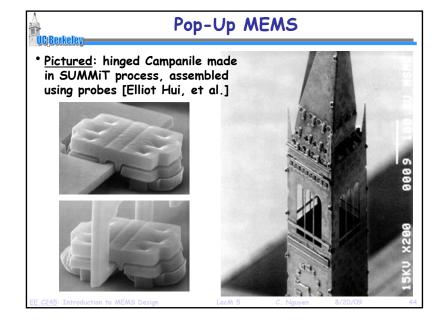
Drive Electrode

Bias and Anneal Electrode

Bias Electrode







3D Direct-Assembled Tunable L

[Ming Wu, UCLA]

EE C245: Introduction to MEMS Design Lecm 5 C. Nguyen 8/20/09 45

