

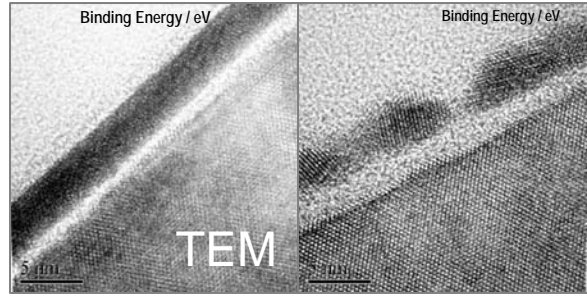
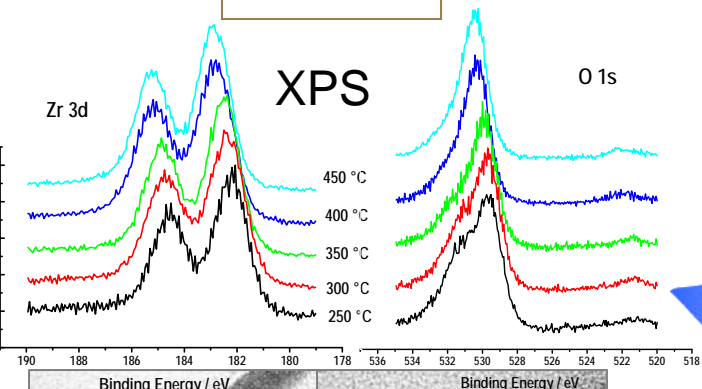
Prof. Bridget R. Rogers

Dept. of Chemical and Biomolecular Engineering, Vanderbilt University
Ceramic Materials:

Applications in Energy, Microelectronics, and Aerospace

Property

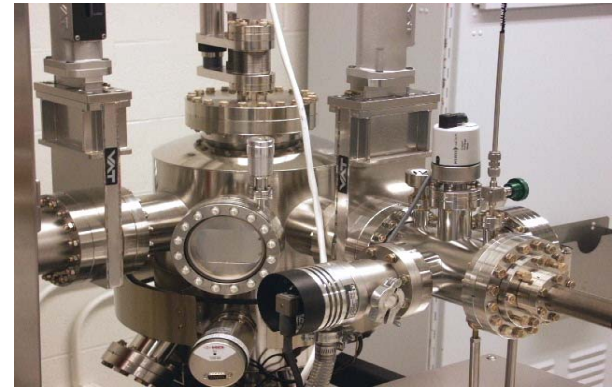
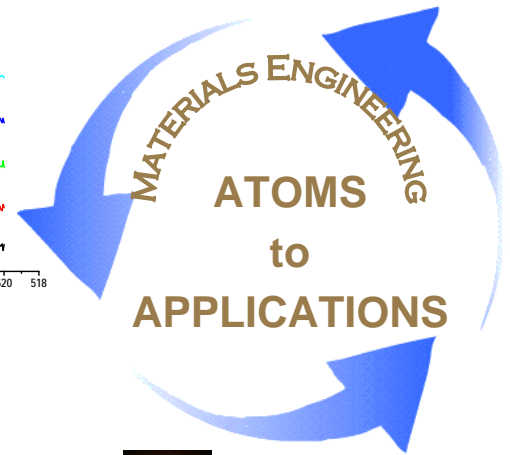
Process



Multiple techniques for complete understanding

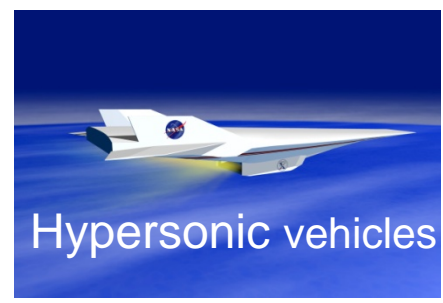
filtered light

emitted light



Chemical Vapor Deposition
- reaction kinetics
- precursor development

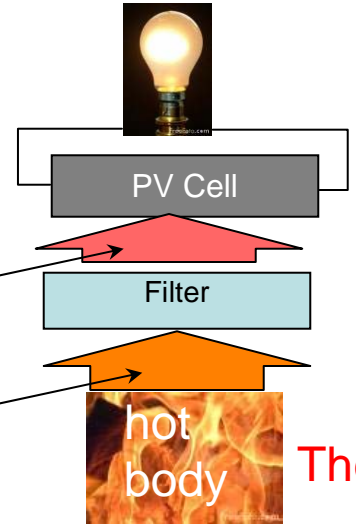
Performance



Hypersonic vehicles



Faster CMOS



Thermophotovoltaics