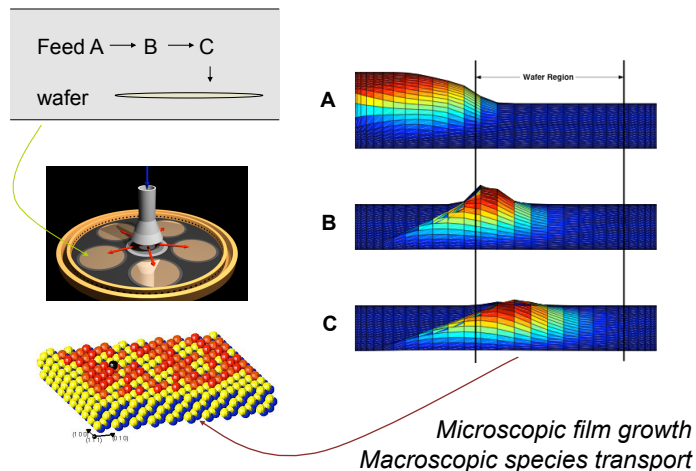


Multiscale ALD and CVD Simulation

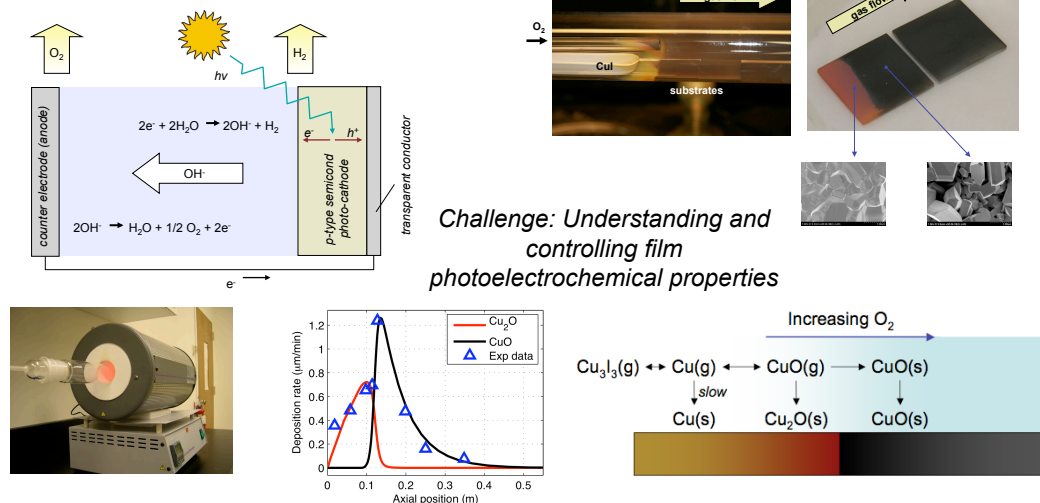
Vivek Dwivedi, David Arana-Chavez, Negin Shahshahan,
Deepa Subramanian, Glenn Guglietta, Tim Wanga, and Raymond A. Adomaitis
Chemical & Biomolecular Engineering, ISR



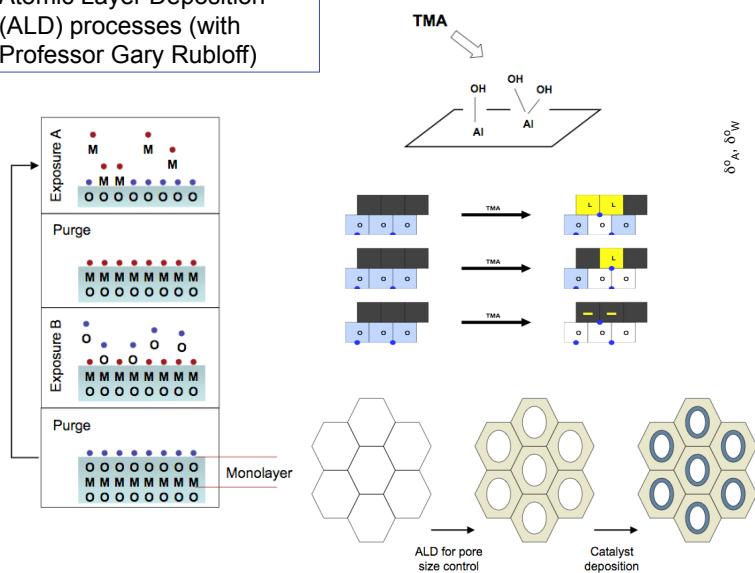
Multiscale nature of Chemical Vapor Deposition (CVD)



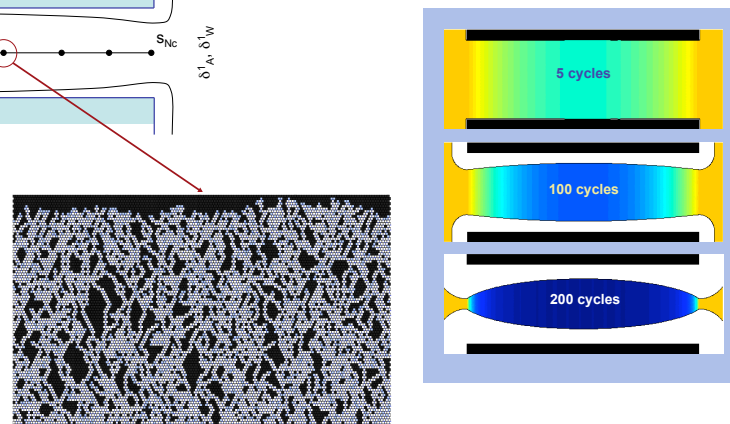
Semiconductors for solar hydrogen generation (with Professor Sheryl Ehrman)



Atomic Layer Deposition (ALD) processes (with Professor Gary Rubloff)



Challenge: Modeling amorphous film growth at molecular and pore deposition at macroscopic scales



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