

# INORGANIC CHEMISTRY SEMINAR



 **Prof. Cunjiang Yu**

Department of Mechanical Engineering, University of Houston

## “Rubbery Electronics”

**Abstract:** Seamlessly merging electronics with biology is of imminent importance in addressing grand societal challenges in health and joy of living. However, the main challenge lies in the huge mechanical mismatch between the current form of rigid electronics and the soft nature of biology. This talk will present a new type of electronics, namely “rubbery electronics”, with tissue-like softness and stretchability, which is constructed all based on elastic, rubbery electronic materials. The hope is that rubbery electronics could ultimately solve the challenge in seamless integration between biology and electronics. The innovations in rubbery electronic materials and devices set the foundation for rubbery electronics and integrated system. The presentation will feature our recent results in rubbery semiconductors, fully rubbery transistors, logic gates, integrated electronics, sensors, smart skins, neurologically integrated function systems, medical implants, etc.

Wednesday, February 10th

Via Zoom

4:00 p.m. (PST)

**UCLA** College | Physical Sciences  
**Chemistry & Biochemistry**

More information [jzabala@chem.ucla.edu](mailto:jzabala@chem.ucla.edu)