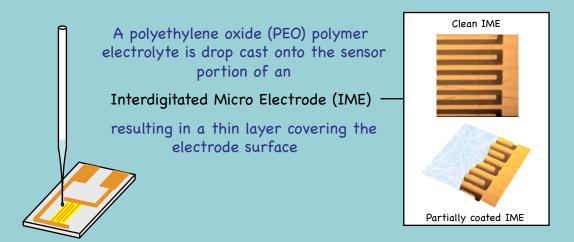
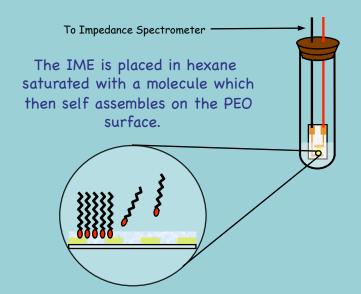
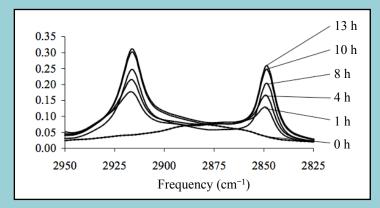
## Characterization of the Ion Conductivity for Surface Modified Polymer Electrolyte Thin Films

Anthony R. Layson, Department of Chemistry and Biochemistry, Denison University



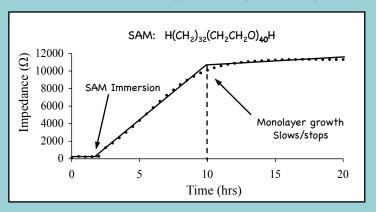


Growth was also monitored with Infrared Absorption Spectroscopy



The increase in peak absorbance values closely mirrors the growth observed with impedance

Growth of the self assembled molecule (SAM) is monitored by impedance spectroscopy.



Changes in the impedance of the PEO film provides a means to track SAM growth