

**Center for Soft Matter and Biological Physics**

**Discussion Meeting**

**Michael Kane**

**(Mechanical Engineering, Virginia Tech)**

**"Topography and Mechanical Properties of Nanostructured  
PNIPAM Films"**

**Friday, November 30, 2018**

**4:00 pm—5:00 pm**

**304 Robeson Hall**

PNIPAM is a thermo-responsive polymer that has wide applications in biological applications, including its use as a cell growth scaffold. In this talk, we will discuss some of the recent measurements that we have done on PNIPAM films on nanostructured substrates. Using Atomic Force Microscopy, we investigate the surface topography of the films at different temperatures as well as their mechanical properties in different parts of the sample.