



THE INSTITUTE FOR  
MOLECULAR  
ENGINEERING

# Seminar Series

**SPEAKER**

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Archer Group, Cornell University



## **Tethered Nanoparticle/ Polymer Composites: Structure, Dynamics and Rheology**

In this talk, we will explore avenues of employing nanoparticle tethered with polymers chains to overcome the strong attraction forces among the nanoparticles and limit their aggregation tendencies. Characterization of model nanocomposites comprising of silica nanoparticles grafted with polyethylene glycol (PEG) chains and dispersed in PEG matrix through a variety of experimental techniques will be discussed.

**Wednesday,**

**March 26<sup>th</sup>**

**2 PM KCBD 1103**

<http://ime.uchicago.edu/>

