



# Nano-Engineering through Self-/Directed-Assembly: Multifunctional Nanostructures Made Easy

**Tuesday,  
September 12, 2017,  
3:30P.M.**

**Lower Level  
Auditorium,**

**Geddes Hall**

Refreshments served  
at 3:00 p.m. in  
365C Fitzpatrick Hall-  
Conference Room

Self-/directed-assembly techniques are powerful and efficient methods for the synthesis of nanostructured materials. Using these techniques and their combination with top-down fabrication processes such as lithography, materials with hierarchical features can be produced with form and function in multiple length scales. This presentation will cover our research on the utilization of self-/directed-assembly techniques for the synthesis of multifunctional nanostructures as well as their applications for optical coatings, sensors, and photocatalytic fabrications.

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