



PROF. DHANDAPANI VENKATARAMAN

University of Massachusetts, Amherst

Organic & Materials Chemistry

Materials Chemistry Seminar

Polymer Nanoparticle Assemblies

Monday
April 4, '16
3:30 pm
1315 Chemistry

A major science and engineering challenge is to fabricate functional materials containing disparate components arranged in targeted morphologies at the molecular, mesoscopic, and macroscopic length scales. We have been developing an approach that uses self-assembly and concepts of packing of shape-controlled nanoscale (<100 nm) particles or nanoparticles (NPs) to realize polymer-based functional mesoscale structures (>100 nm). This talk will discuss our progress in this area and the application of this approach for the fabrication of materials for charge transport.