

# Nanocrystals and their self-assembly

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Thursday, September 5 ♦ 4:00 P.M.  
Room 184 Nieuwland Science Hall

We will discuss different aspects of self-assembly of nanocrystals. We will discuss the driving forces that determine the type of periodic superlattices in the case of single component and multicomponent nanocrystal structures. We will report on aperiodic structures assembled from nanocrystals. We will discuss the effect of surface modification on the self-assembly of nanocrystals and how to manipulate with the interparticle spacing in periodic structures. In details we will analyze mechanicals properties of periodic structures using different experimental techniques.