

Public Abstract
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Structural supramolecular assemblies of spheres and tubes
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This thesis examines four different molecular systems that are in part or substrates for larger structural motifs that resemble spheres or tubes. The research develops the building blocks for future nano-technological devices. The results reveal that small macrocyclic structures on the size of the nanometer can self-assemble to large sub-micrometer spheres and tubes. Using buckminsterfullerenes it was possible to control the conformation of the fullerenes from two dimensional sheets to one dimensional chains.