Problem

Social insects can cooperatively achieve great thing. Individuals in the society are very simple, trivial and cannot complete any task on their own. Simple local interactions, direct or indirect, applied to each individual, result in the emergent global behaviour.

Nanotechnology is surely coming. Tremendous research in architectural design of nanorobots is underway. Researchers are barely concerned with these nanorobots' control issues. How will these nanorobots be organised into desired emergent behaviour? What routines will be available to each individual nanorobot? What parameters will be dispensable for each routine? In this research, we strive to present control routines and essential parameters for organising artificial swarms of nanorobots into desired emergent behaviour.

Successful completion of the research has direct relevancy to a number of areas of research locally and in other research centres. Special mention goes to the paintable[ ] and the Specknets[ ].