

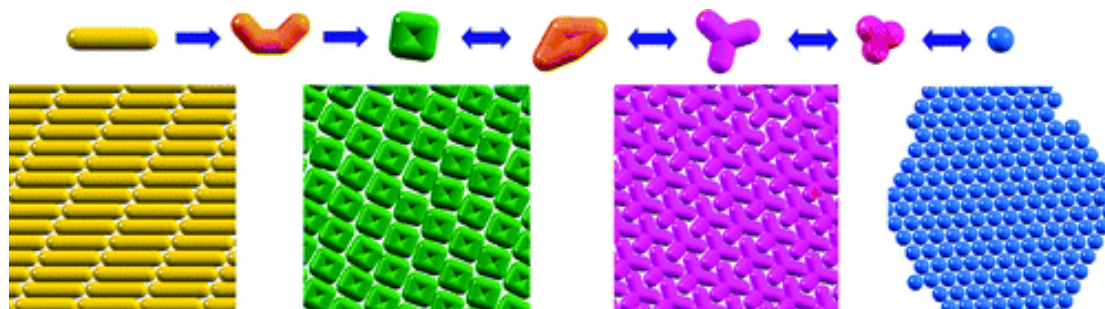
Trung Dac Nguyen

Research Associate

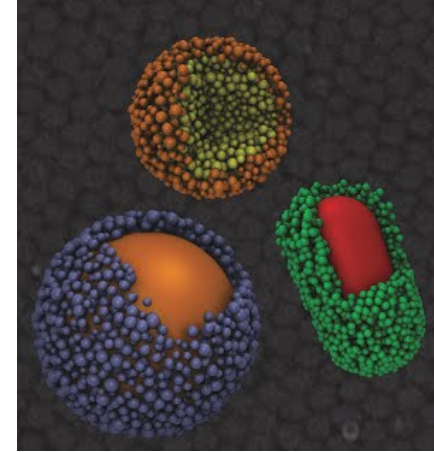
Expertise: Nanoscale modeling, computer simulation, statistical mechanics and high-performance computing

Research areas

- [Soft matter physics](#): Self- and directed-assembly of nanoparticles, polymers and proteins; electrostatics; structural identification.
- [Interfacial phenomena](#): Polymer adsorption; thin film stability and dewetting mechanisms; self-assembly of soft matter building blocks under confinement.
- [High-performance computing](#): Parallel programming on heterogeneous computing platforms (MPI/GPU/OpenMP).



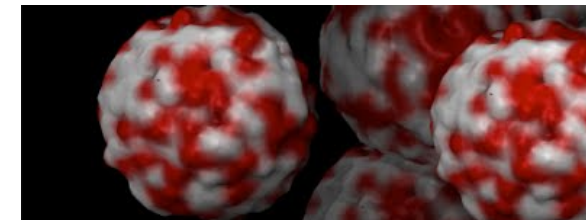
Shape shifting building blocks



Supraparticles



Reconfigurable assemblies



Bionic terminal clusters