

Seminar

Magnetic nanoswimmers

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The idea of tiny vessels roaming around in human blood vessels working as surgical nanorobots was first proposed by Richard Feynman, a vision that has triggered imagination in scientists and non-scientists alike. With current advances in nanotechnology, there have been several strategies to realize this dream of a “nanovoyager”, which is of both fundamental and technological interest. My talk will focus on a system of artificial helical nanostructures that can be actuated with small magnetic fields to move through fluidic media in a highly controllable fashion, and describe some of our recent experiments with this novel system of swimmers.

Wednesday, Mar 23rd 2016

4:00 PM (Tea/Coffee at 3:45 PM)

Seminar Hall, TCIS