Special Issue

Recent Progress on Micro/Nano Robots and Their applications

Message from the Guest Editor

The 1966 movie “Fantastic Voyage” captured the world’s imagination by portraying a microscopic submarine navigating through the human bloodstream to repair blood clots and ultimately save a life. This adventure is not yet on the horizon in 2020, but it inspired rapid development in science and technology to build micro/nanoscale machines and robots to emulate these types of Hollywood sci-fi fantasies. In the past decade, advances in the design, fabrication, actuation, imaging, and navigation of micro/nanorobots have greatly enhanced their power, function, and versatility towards in vivo applications for improved diagnostics and therapies. Micro/nanorobotics is becoming the most emerging and promising field in robotics by providing the unprecedented capacity to precisely interact with biology. In this special issue, we seek papers on all kinds of micro/nanorobotics from new materials, novel actuation mechanism, fabrication methods, modeling and computation, imaging and navigation methods, to diverse applications. Both original research papers, and review articles are welcome.

Guest Editor

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