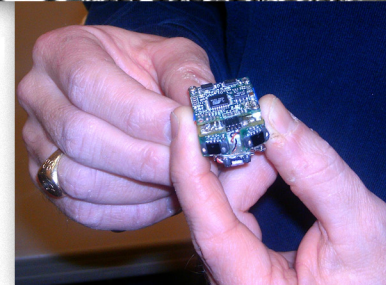
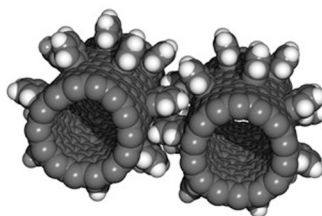
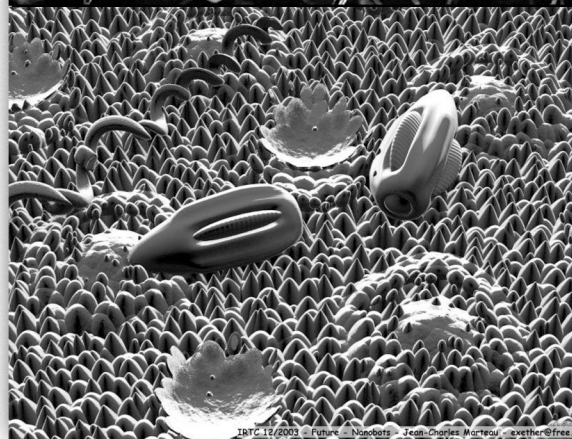
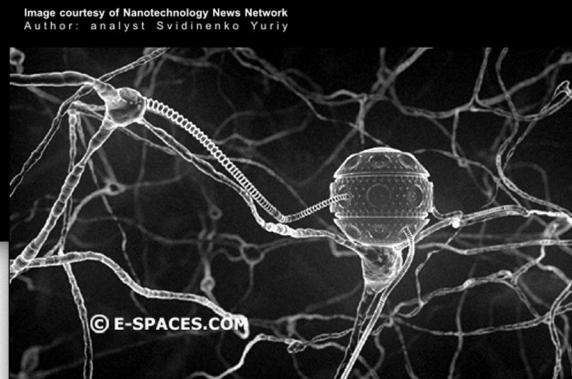
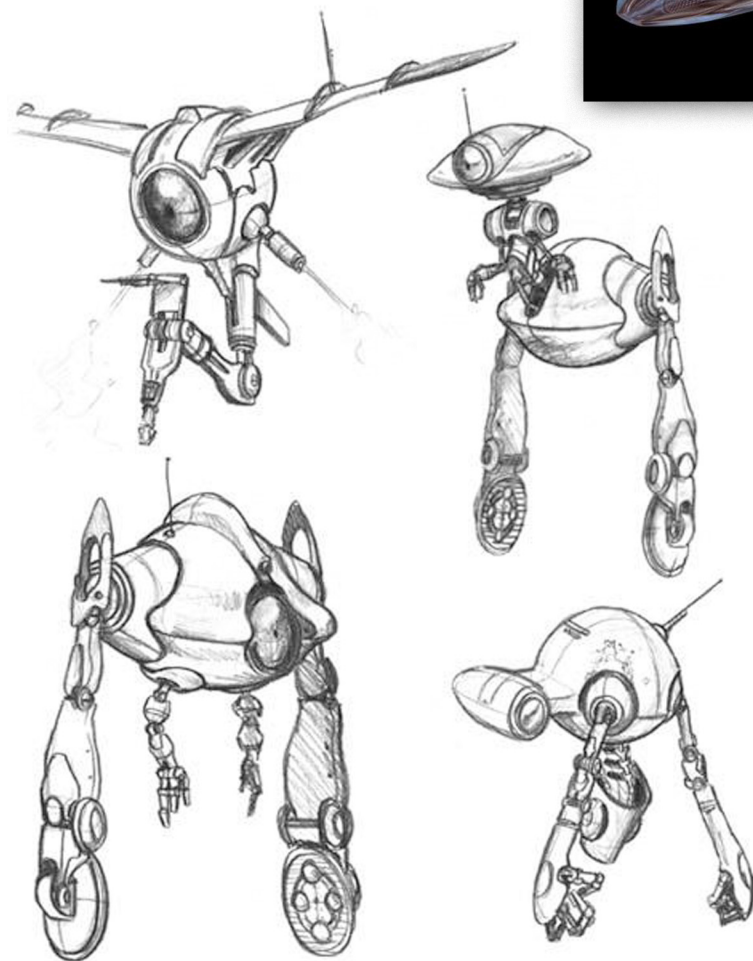


# NANOBOT



# N a n o r o b o t i c s

<http://www.wikipedia.org/>

Nanorobotics is the technology of creating machines or [robots](#) at or close to the scale of a [nanometer](#) (10<sup>-9</sup> [metres](#)). More specifically, nanorobotics refers to the still largely theoretical nanotechnology engineering discipline of designing and building nanorobots. Nanorobots are typically devices ranging in size from 0.1-10 micrometres and constructed of nanoscale or molecular components. As no nanorobots have so far been created, they remain a hypothetical concept at this time.

Another definition sometimes used is a robot which allows precision interactions with nanoscale objects, or can manipulate with nanoscale resolution. Following this definition even a large apparatus such as an [Atomic force microscope](#) can be considered a nanorobotic instrument when configured to perform nanomanipulation. Also, macroscale robots or microrobots which can move with nanoscale precision can also be considered nanorobots. [See more Click Here >>>](#)

## T e r m s :

<a href="#">Assembler</a>	<a href="#">Nano assembly</a>
<a href="#">Atomic force microscope</a>	<a href="#">Nanobot swarm</a>
<a href="#">Biomimetics</a>	<a href="#">Nanobuzz</a>
<a href="#">carbon nanotubes</a>	<a href="#">Nanomachine</a>
<a href="#">Gray Goo</a>	Nanomedicine
<a href="#">Macro-scale</a>	Nanometer
<a href="#">Massive parallelism</a>	Nanoscope machines
<a href="#">Matter compiler</a>	Phagocyte
<a href="#">micro-environments</a>	Positional assembly
<a href="#">Molecular manufacturing</a>	Self replication
<a href="#">Molecular motor</a>	super-conductive properties
<a href="#">Nanogears</a>	

## L o c a t i o n s o f r e s e a r c h :

**The Nanostructures Laboratory (NSL) at MIT**

<http://nanoweb.mit.edu/>

**Richard E. Smalley**

**Institute for Nanoscale Science and Technology**

<http://cnst.rice.edu/>

**The Cornell NanoScale Science & Technology Facility (CNF)**

<http://www.cnf.cornell.edu/>

**Nanoelectronics Laboratory**

<http://www.nanolab.uc.edu/>

**The Center for Nanotechnology at the U of Washington**

<http://nano.washington.edu/index.asp>

**Foresight** is the leading think tank and public interest institute on nanotechnology. Advancing Beneficial Nanotechnology

<http://foresight.org/>

## N o t a b l e n a m e s :

**Richard P. Feynman**

(from: <http://www.zyvex.com/>)

Feynman's classic 1959 talk:

[There's Plenty of Room at the Bottom](#).

**K. Eric Drexler, PhD**

<http://www.imm.org/DrexlerCV.html>

## I n f o r m a t i v e W e b R e s o u r c e s :

- <http://nanobot.info/>
- **Howstuffworks.com**  
<http://science.howstuffworks.com/nanotechnolgy.htm>
- **National Nanotechnology Initiative**  
<http://www.nano.gov/>
- **The Nano Scale**  
[http://www.nano.gov/html/facts/The\\_scale\\_of\\_things.html](http://www.nano.gov/html/facts/The_scale_of_things.html)
- **nanoworld.net**  
<http://www.nanoword.net/>
- <http://nanoatlas.ifs.hr/nanobot.html>
- [Nanotechweb.org](#)

## B o o k s :

**Understanding Nanotechnology**

by Scientific American, editors at Scientific American  
"Albert Einstein, as part of his doctoral dissertation, calculated the size of a single sugar molecule from experimental data on the diffusion of sugar in..." (more)  
Publisher: Warner Books (December 1, 2002)

**Nanotechnology:**

**A Gentle Introduction to the Next Big Idea**

by Mark A. Ratner, Daniel Ratner, Mark Ratner  
"Over the past few years, a little word with big potential has been rapidly insinuating itself into the world's consciousness..." (more)

Publisher: Prentice Hall PTR; 1st edition (November 8, 2002)

**Nanofuture:**

**What's Next for Nanotechnology**

J. Storrs Hall, Foreword by Eric Drexler

Pub. Date: April 2005

Publisher: Prometheus Books