

FUTURE TECH 10



PLASMONICS

Plasmonics combines optical and electronic data transfer by crowding light into metal structures with dimensions far smaller than its wavelength. Data can be transmitted at terahertz frequencies, useful for non-destructive testing, and shows potential to make wireless devices 1000 times faster.

BIONIC LEAF



Bionic leaf creates its own fertilizer using bacteria, sunlight, water, and air in the soil where crops are grown. This will reduce fertilizer consumption.

SYNTHETIC BIOLOGY



Synthetic biology (or "Synbio") refers to the design and fabrication of novel biological parts, devices and systems that do not otherwise occur in nature

BIOMIMETICS



They are human-made models, processes, substances, devices, or systems that imitate nature. The emerging field of biomimetics could give rise to new technologies created from biologically inspired products at both the macro scale and nanoscale levels

ROBOTIC BEES



Mini-drones made by imitating complex wing motion patterns and aerodynamics of bees and flies using sensors. Swarms of robotic bees to pollinate plants when real-life insects/bees go extinct



IMMERSIVE VIRTUAL REALITY

It consists of immersion in an artificial environment where the user feels just as immersed as they usually feel in consensus reality

BRAIN COMPUTER INTERFACE



It is a direct communication pathway between the brain and an external device for assisting, augmenting, or repairing human cognitive or sensory-motor functions

MOLECULAR MANUFACTURING



Molecular manufacturing is a method for the processing and rearrangement of atoms to fabricate custom products built to atomic specification that exhibit order-of-magnitude improvements in strength, toughness, speed, efficiency etc.

ENERNET



A smart grid that is similar to internet that supports uploading, downloading and storage of energy rather than bits.



HEARABLES

The hearable is the beginning of fourth-platform computing. The main feature lies in their ability to interact with the increasingly connected world around us and removes many screens that would be less intrusive & more responsive to needs

