

Title:

The Science of Robosapien

Word Count:

1149

Summary:

Robosapien is a modern day turning point in the evolution of robotics and is the first-ever ro

Keywords:

science, robots, robotics, technology

Article Body:

At a glance, Robosapien looks great versus the old school box on wheels with clear dome head.

Robosapien is a modern day turning point in the evolution of robotics and is the first-ever ro

A New Philosophy for Robot Kind BEAM is an acronym for Biology, Electronics, Aesthetics and Me

Put another way, traditional approaches to creating robots have started with creating a sophis

It's like trying to emulate a human when modern technology and research can't realistically co

Rather than attempt to create a centralized robo-brain to process every variable input and spi

For example, a low-level layer could be 'Walk Forward,' which the robot will happily do until

Egocentric Bugs

So Tilden began building robot bugs on this principle, and more selfish creatures they could n

Why's that? Well Tilden decided that Asimov's famous Three Laws of Robotics:

1. No hurt human.
2. Listen to human unless told 'Do hurt human'.
3. Try to live with that.

were antiquated notions that left no room for a good practical joke at parties.

So one dark and stormy night he penned Tilden's Three Laws of Robotics:

1. A robot must protect its existence at all costs.
2. A robot must obtain and maintain access to a power source.
3. A robot must continually search for better power sources.

informally known as*:

1. Protect thy butt.
2. Feed thy butt.
3. Move thy butt to better real estate.

1. He justified this robotic declaration of self-interest as the only way robots can start ev

From Bugs to Sapiens

Needing to find a lighter-minded group of people from his government and NASA days, Tilden dec

Then came the master project that one could fairly say would change the landscape of robotics

In Robosapien, you see the basics of BEAM philosophy and technological research. It follows th

That's Mr. Sapien

Like no robot ever before, the Robosapien is affordable to the unwashed masses. The Robosapien

Each arm has full 360 motion ability allowed by the, ahem, biomorphic shoulder joints and flex
And do you know how much power it usually takes to run a robot Fuggedabowdit. Regular robots a
For those of you who want a robot that will fetch you a frosty one from the kitchen, you lazy
So what's so hot about the hackability, and is that even a word you ask? You've got some nerve

And Another Thing

So the next time you look at your Robosapien give a respectful nod to the world's first-ever r

* Graciously lifted from Dr. Tilden's excellent `Junkbots, Bugbots & Bots on Wheels' book.

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