



TECHNOFLAME

TECH-GNITING MINDS...

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vedanta

Profile

Magnetic Levitation



Blue-Ray disc



APPLE'S NEW IMAC DESKTOP COMPUTER



When it comes to new, innovative and sleek products in the computer world, we can never forget Steve Jobs' Apple Corp. After products like Macintosh PCs, iPods, iPhones, Steve Jobs recently unveiled the new wireless keyboard and new iMac desktop computers on 7 August 2007 in Cupertino, California. With a sleek design, the all-in-one desktop computers are packed with aluminum casings with faster chips and glossy screens. What attracts geeks to this iMac is the price that is up to \$300 cheaper than its predecessors. It measures 20 inches and 24 inches and is retailed \$1,199 to \$1,799, varying as per the configuration.

BUZZWORDS

Memory Compo RD-M1



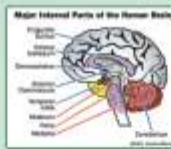
Victor Company of Japan (JVC), Japanese electronic giant displayed a component stereo "Memory Compo RD-M1", packed with an in-built 1GB flash memory and CD player in Tokyo on 8 August 2007. The stereo can transmit digital music contents into a mobile phone and also to a digital music player. The product would hit the market in September.

BRAIN CHIPS

Converging minds and the machines

INTRODUCTION:

Making a chip that can be connected to human brain tissue and take over a cognitive function that has been destroyed by ailments such as epilepsy and Alzheimer's is one researcher's ultimate goal. Scientists have been working for some time to devise a way to enable paralyzed people to control devices with brain. They are trying to implant tiny computer chips in the brains of paralyzed patients which could read their thoughts. These biologically inspired computing modules, performing high-level pattern recognition, will be a key aspect of future computing systems. In fact, a desirable goal would be a machine that can scan medical images for signs of abnormality.



HOW BRAIN CHIPS ARE MADE

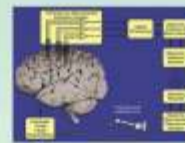
Scientists have developed interesting techniques to grow brain cells onto silicon, effectively interfacing the biology and electronics. The chip combines sampling, on-line analysis, high efficiency separation and low detection limits. The four-millimeter square chip, which is placed on the surface of the motor cortex area of the brain, contains 100 electrodes each thinner than a hair which detect neural electrical activity. A uniform neural net of brain cells - a brain chip - has been created by a team of scientists lead by Yael Hanein of Tel Aviv University in Israel.



100-micrometer-wide bundles of nanotubes were used to get the rat neurons to form regular patterns on a sheet of quartz. The neurons bind to the nanotubes, which are placed close enough for the nerve cells' axons and dendrites to make links between cells and clusters. The electrical activity of the brain chip can be easily measured because carbon nanotubes conduct electricity. According to Hanein, this method results in more uniform neural networks; they also last longer than other artificial networks of neurons, lasting up to eleven weeks.

WORKING

The 'Brain Gate' contains tiny spikes that will extend down about one millimeter into the brain after being implanted beneath the skull, monitoring the activity from a small group of neurons. A sensor is implanted on the surface of the primary motor cortex, the area of the brain responsible for movement. The sensor, smaller than a penny, has hair-thin electrode probes that penetrate about a millimeter into the



brain and are designed to pick up electrical impulses from the motor neurons. The next step is trying to work out what computer coding to replicate the complex neural signals needed to direct limbs to move.

APPLICATIONS:

It has a wide range of applications like:

- ◆ Pharmaceutical companies could use the chip to test the effect of drugs on neurons, to quickly discover promising avenues of research.
- ◆ The chip could be used to assess brain damage in people with trauma injuries.
- ◆ Diseases such as cerebral palsy can be cured.
- ◆ This will allow people with paralysis to regain the use of their limbs.
- ◆ It may also be a way of delivering drugs to particular brain regions.

FUTURE ASPECTS:

These chips can also be developed and used in many other areas such as:

- ◆ We can expand our ability to calculate and maybe even have a direct communication, without a transmitter or cell phone, or in other words we can best exploit the potential of our brain.
- ◆ We are going to have individuals who have super-power of memories, calculation abilities and communication abilities and be far superior to the rest of us.
- ◆ The device could be used by neuroscientists to study chemical changes associated with behavior and disease.
- ◆ This might even provide us a clear idea of how a brain works thereby paving the road for development of supercomputers and robots that are still part of a Sci-Fi movie.

CONCLUSION

The real application of brain chips lie in the medical world. It acts as a boon for the mentally and physically challenged people. Future could bring a revolution as brain-computer interfaces are constructed using nanotechnology and getting information in becomes as easy as getting information out. It offers the possibility of hitherto unimaginable levels of independence for the severely disabled. This, in fact will be the perfect amalgamation of the machines and minds.

GADGET WATCH NIKE SNEAKER TRANSFORMED INTO A TRANSFORMER ROBOT

Here is the display of the various stages of transformation of the new "Transformers Sports Label" robot toy from Japanese toy giant Tomy in Tokyo on 14 August 2007. The shape swerves from the original 13.5cm long miniature Nike sneaker "Free 7.0! (L) into a transformer robot.



TEAM TECHNOFLAME

- Amrit Patra
- Srikant Bhagat
- Prashant Samantray
- Pratistha Das

There are no accelerated courses in wisdom.



This brand new car has a LOT of space for luggage...thanks to its creative design...



New dress, new flag, new vehicle are ready...what they now require is modern weapons and skills...



Tulsi

There has been no coach for last 4 months and there was neither any scandle nor we have lost a single game... we can keep on making sincere efforts to find a coach within 3-4 years



Tulsi
www.cartoonists.com

No...We have not forgotten the promises made last year...you just have to remind me if this foundation stone was laid for a factory or a bus station...



I met an old University friend the other day, who in his youth had professed his desire to become a great writer.

When I asked him to define 'great', he had said "I want to write stuff that people will react to on a truly emotional level; stuff that will make them scream, cry, howl in pain and anger!"

Just discovered he's now working for Microsoft...writing error messages.

A mechanical, electrical and a software engineer from Microsoft were driving through the desert when the car broke down. The mechanical engineer said "It seems to be a problem with the fuel injection system, why don't we pop the hood and I'll take a look at it."

To which the electrical engineer replied, "No I think it's just a loose ground wire. I'll get out and take a look."

Then, the Microsoft engineer jumps in. "No, no, no. If we just close up all the windows, get out, wait a few minutes, get back in, and then reopen the windows everything will work fine."

It's going to take me a little longer to answer my e-mails now....



BOOK REVIEW THE GREAT INDIAN NOVEL



Whether it's the 'Iliad', exploring the nature of the warrior, or the "Mahabharata", explaining politics, the great stories are always with us and provide illumination to our seemingly modern lives. With The Great Indian Novel, Shashi Tharoor shows us that everything old is new again. The Great Indian Novel is a re-interpretation of the Mahabharata framed in India's struggle for independence, and the political aftermath of colonization. The famous make their appearances under altered names, and Mr. Tharoor manages to make the Mahabharata current while making modern Indian politics somewhat understandable. The book is also very funny. I don't know if this is a book for the casual reader, but if you're interested in India I think you'll find it quite fascinating.

In this seamlessly-crafted novel, Tharoor has woven the web of ancient Indian myths with the warp of modern history with reverence for its heroes and healthy disrespect for its villains, past and present. Every chapter unconceals an unexpected parallelism between past and present or a breathtakingly startling point of view. No Indian who has lived through the Emergency will again think of its chief protagonist without recalling the fictionalized scene of

her portentous birth. Shashi Tharoor has brilliantly mapped these mythological characters and events to the freedom fighters, politicians, bureaucrats and the evolution of the modern state of India. The book will be of lot more interest to those who are well versed with the setting of the Mahabharata, however, even as a tale by itself the book makes for good reading.

It's a great challenge to be better than your opportunities