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## Asia Innovations and Technology

Posted by linsi - 2007/06/20 02:46

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If poverty is a massive problem in Asia,  
We also have advanced innovations and technologies  
amazing the world .

Japan leads us amongst all Asian nations,  
Singapore now is on its bio-tech

Let's talk about nano-technology which has grown  
popular in Japan over the last few years.

Generally "nano" is one thousandth of "micro". It means that one micro-meter is one thousand nano-meters and one micro-gram is one thousand grams. One micro-second is one thousand nano-seconds; however, "Nano-Technologies" in this industry are usually something smaller than one micro-meter. Measurements are based on metric units. I hope American people can understand the exact size of the units. One mil is a thousandth of an inch and 25 micro-meters; one micro-inch could be 25 nano-meters. When we talk about nano-technologies, they are something less than 40 micro-inches. Currently, we have limited opportunities to use nano-inches.

Anyway, what are the actual nano-technologies or nano-technology products? Recently, Sangyo Times, a major industry media firm in Japan has published "Directory of Nano-Technologies". This book introduces us to the nano-technologies and products for 1000 companies as well as the key people in the industry. I reviewed the directory quickly, and decided to categorize my thoughts about nano-technologies into three sections.

<http://www.pcb007.com/anm/templates/article.aspx?articleid=12335&zoneid=161&v=>

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/06/20 02:48

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so nano-technology is the smallest tech? :sick: :unsure:

:lol:

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/06/20 02:57

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To continue, let's talk about  
human-powered gyms in Hong Kong ;) )  
I have posted something about this in our  
front page but decided to put it here  
to record Asian tech.

No pain, no gain, right? At this gym, the new mantra may be "no pain, no power." Just as the Sustainable Dance Club is turning dance steps into energy, French inventor Lucien Gambarota and Wharton grad and entrepreneur Doug Woodring are bringing clean, sustainable energy to the gym using good old-fashioned manpower. The two have joined forces with Hong Kong's California Fitness, a subsidiary of 24 Hour Fitness Worldwide, to launch a revolutionary concept in which

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energy burned off by exercisers is diverted and converted to power lighting fixtures, while excess energy is stored in a battery. The gym's 13 step, cycling and cross-training machines in the "Powered by YOU" program are popular with members. As gym member Rita Wong states, "It's very good motivation. You can watch yourself burning fat to turn on the light."

According to Steve Clinefelter, President of California Fitness, "One person has the ability of producing 50 watts of electricity per hour when exercising at a moderate pace....If a person spends one hour per day running on the machine, he/she could generate 18.2 kilowatts of electricity and prevent 4,380 liters of CO2 released per year." We love the idea of burning calories in order to NOT burn fossil fuels. The "Powered by YOU" program enables users to improve their health and the environment—one step at a time

<http://inhabitat.com/2007/03/08/human-powered-gyms-in-hong-kong/>

also:

People in Hong Kong Gym Generate Electricity While Exercising  
By Claudia Blume

<http://www.voanews.com/english/archive/2007-03/2007-03-11-voa14.cfm?CFID=164561958&CFTOKEN=12748913>

<http://www.ephratarec.com/pics/cardio.jpg>

Post edited by: linsi, at: 2007/06/20 06:26

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/06/20 03:06

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another one is about cyber-knife which i also posted in our front page previously- fitting in our topic :)

Cyber knife handles tumors painlessly

The technology's success rate is 80 to 90 percent.

[http://www.thestandard.com.hk/news\\_detail.asp?pp\\_cat=11&art\\_id=37585&sid=12022611&con\\_type=1&d\\_str=20070205](http://www.thestandard.com.hk/news_detail.asp?pp_cat=11&art_id=37585&sid=12022611&con_type=1&d_str=20070205)

hope we could post our innovations little or grand because it counts a lot to help humanity

:kiss:

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/06/20 03:13

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<http://as.wn.com/i/0a/cfd7886f5808c4.jpg>

Biotechnology in Asia is swelling :)

hope we could post more...:kiss:

Post edited by: linsi, at: 2007/06/20 03:14

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/06/21 17:57

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Chinese Hong Kong University has unfoulded surgical robots such as Da Vinci Da Vinci S Robot system as the surgical robots.

also Robot-assisted stem cell therapy a first in Thailand since last 2005 2005 in a historic operation,

surgeons at Bangkok Heart Hospital performed Thailand's first robot-assisted cardiac stem cell implantation on October 27, 2005. Utilizing Intuitive Surgical's da Vinci Surgical System and VesCell adult stem cell therapy for heart disease from TheraVitae Ltd., surgeons treated a no-option, ischemic cardiomyopathy patient from Fayetteville, Arkansas, USA.

### About TheraVitae

TheraVitae is a private, multinational company focused on using stem cells from the patient's own blood in order to treat a variety of disorders, especially cardiovascular diseases. The company has developed a proprietary stem cell technology called VesCell™ that is currently being used by hospitals in Thailand to treat patients with heart disease. TheraVitae is based in Bangkok, Thailand, Kiryat Weizmann, Israel, and Hong Kong.

see? Innovations and Technology has also been a way of life in Asia, looking at the the other brighter side.:)

hope others could contribute and tell the world that asia has it all :laugh:

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/06/21 18:01

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Robotic System is here, not to mention Japan as the first hand innovator in Asia-

there are :  
humanoid robots,  
modular robots  
plice robots  
even cook and waiter robots!

B)

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/06/27 18:56

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wristwatch mobile phone

<http://www.wirelessnewsfactor.com/perl/story/21241.html>

<http://www.3g.co.uk/PR/March2003/NTTDoCoMoWrist.jpg>

<http://www.yasukawa.com/blog/archives/images/wristomo-handset-thumb.jpg>

From japanese manufacturer seiko-

:)

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/07/12 00:11

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India has smokeless biomass stove

<http://www.chennaionline.com/colnews/newsitem.asp?NEWSID=%7BEE55CEA3%2DAB16%2D4494%2D9D1B%2D2264E187E8AA%7D&CATEGORYNAME=TAMNA>

<http://www.newdawnengineering.com/website/stove/singlestove/vesto/vesto3hres.jpg>

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/07/12 00:19

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Sustainable energy awards handed out  
Winners from Bangladesh, China, India, Laos, Tanzania

LONDON - Pioneers in developing renewable energy in Bangladesh, China, India, Laos and Tanzania have won \$60,000 each in awards for their work.

Prince Charles and former U.S. Vice President Al Gore presented the Ashden Awards to the winners, who included Beijing Shenzhou Daxu Bio-energy Technology Company Ltd., which markets a stove that burns crop waste instead of coal.

"These awards have told us how to illuminate the path to a sustainable future. I hope that we can make it quickly," Gore said at Thursday's awards ceremony

<http://www.msnbc.msn.com/id/19373823/>

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## Re:Asia Innovations and Technology

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Posted by linsi - 2007/09/02 17:20

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## Japan to Research Internet Replacement

Japan plans to start research on new networking technology that could one day replace the Internet amid its growing quality and security problems, according to the nation's communications ministry.

U.S. and European researchers already have started similar efforts to rebuild the underlying architecture of the Internet.

[http://www.examiner.com/a-905704~Japan\\_to\\_Research\\_Internet\\_Replacement.html?cid=sec-promo](http://www.examiner.com/a-905704~Japan_to_Research_Internet_Replacement.html?cid=sec-promo)

wooa!-- we are going far far ahead--i know i am still alive to see that day when internet is replaced by a more, advanced and sophisticated method,what's next with digital features?

:unsure:

[http://i202.photobucket.com/albums/aa202/Asia\\_Observer/be2379f682a72c49b04f30c69426d6fc-gr.jpg](http://i202.photobucket.com/albums/aa202/Asia_Observer/be2379f682a72c49b04f30c69426d6fc-gr.jpg)

Japanese and South Korean meteorological agencies are also participating in the "RAII Pilot Project on City- specific NWP Projects," and Beijing is expected to join them in providing data to countries such as Burma, Nepal, Cambodia and Iran.

Lam insists the project is "not charitable, because we also rely on other countries to observe the weather."

A project modeled on the Hong Kong-initiated pilot project has already been implemented in Europe.

[http://www.thestandard.com.hk/news\\_detail.asp?we\\_cat=4&art\\_id=52508&sid=15171238&con\\_type=1&d\\_str=20070831](http://www.thestandard.com.hk/news_detail.asp?we_cat=4&art_id=52508&sid=15171238&con_type=1&d_str=20070831)

Post edited by: linsi, at: 2007/09/02 17:27

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/09/21 00:18

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It has been my dream to post articles such as this

to show the world that Filipinos also have great minds and great inventors (if not for the corrupt government we have :angry: )

Watch video of:

water-powered car invented by flipino inventor daniel dingel

<http://www.youtube.com/watch?v=UVhXrvCCILw>

In the Philippines, 1969 was also the year that a Filipino inventor claims to have started tinkering with a revolutionary concept for the automotive industry. His idea: To power cars using hydrogen derived from ordinary water.

Today, 30 years later, inventor Daniel Dingel is driving around in the only water-powered car in the world, still complaining that Filipino government officials and scientists refuse to support his invention.

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"They keep saying that the government is pro-poor, but what they do is sell off the resources and wealth of the Philippines. The government should really support the development of technology that would help the country pay its huge foreign debt," he said.

At the Inquirer parking lot last Tuesday, Dingel showed off his "concept car"- a red 16-valve Toyota Corolla with the small hydrogen reactor that he invented hooked up to its internal combustion engine (ICE). Dingel's hydrogen car has actually received media coverage since the late '80s or so, but to date his invention has not yet been patented and commercialized. Dingel attributed this to the influence of multinational companies, such as the oil companies. A conspiracy theory worthy of the X-Files, perhaps, but if Dingel's idea is real, then the truth is way out there.

In these fuel cell cars, water is just a by-product of the reaction between hydrogen and oxygen ions, which produces the electricity to run the car's engine. In this sense, the fuel cell process is the reverse of Dingel's discovery. Also, Dingel claims that his reactor can work with any existing ICE-based car.

Dingel said some investors from Taiwan now plan to commercialize his car and help him get an international patent.

mabuhay!

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/09/21 00:23

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water-powered car by filipino inventor daniel dingel

<http://www.tolitz.com/images/journal/dingelwatercar.jpg>

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/10/02 09:07

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KUALA LUMPUR: Malaysia has decided to issue millions of foreign workers, students and long-staying visitors with visas embedded with microchips to help its immigration authorities.

Immigration Director General Wahid Mohammad Don said the chip-based visa which used Radio Frequency identification microchips would contain the foreigner's personal details and thumbprints.

"We hope to introduce this in stages by the end of this year," Wahid said adding that the system was currently being tested on Bangladeshi foreign workers.

The visitor's thumbprints and other details would be scanned and stored into the computer system in the country of origin and transferred to Kuala Lumpur immigration when the visitors apply for a work permits.

"When they enter Malaysia, their scanned thumbprint and other details would be matched against our central database," Wahid was quoted as saying by the Star newspaper.

He said that if there was no match, the person would be deported.

The official said the chip-based visa that was in the form of a sticker would reduce forgery and improve enforcement work as immigration officers carrying out inspections at work sites could instantaneously retrieve data using chip readers.

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There are over two million foreign workers and another 66,000 students in the country while the tourist arrivals last year touched 17 million.

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/10/04 16:08

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When it comes to robotic technology, shall i say Asia comes in first?:)

Read more:

<http://www.charlotte.com/world/story/304987.html>

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/10/06 13:55

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[http://i202.photobucket.com/albums/aa202/Asia\\_Observer/fon.jpg](http://i202.photobucket.com/albums/aa202/Asia_Observer/fon.jpg)

New prototype phone gives fitness check

CHIBA, Japan --It can take your pulse, check your body fat, time your jogs and tell you if you have bad breath. It even assesses stress levels and inspires you with a pep talk. Meet your new personal trainer: your cell phone.

The prototype Wellness mobile phone from Japan's NTT DoCoMo Inc. targets users with busy lives who want a hassle-free way of keeping track of their health, according to company spokesman Noriaki Tobita

The phone, unveiled this week at the CEATEC electronics show outside Tokyo, has an inbuilt motion sensor that detects body movement and calculates how many calories you burn.

The sensor can tell whether you're walking, running, climbing stairs, or resting, and counts the calories accordingly to tally daily totals, Tobita said.

"It's with you wherever you go, like a portable personal trainer," he said.

Like Nike Inc.'s +Nike technology, the handset also keeps track of jogs, letting users set targets and keeping track of time, distance, and calories burnt - all while listening to music through headphones.

Hold the phone with outstretched arms, and it turns into a mini body fat calculator. A sensor at the top of the phone takes your pulse from your fingertip.

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Worried about bad breath? Use the phone's breathalyzer. After Tobita blew on a tiny hole on the side of the handset for about three seconds, the screen flashed, "Not too bad."

The Wellness phone, developed by NTT DoCoMo and Mitsubishi Electric Corp., also asks questions to assesses stress levels and offers advice.

When the busy spokesman answered "Yes" to a series of questions - including "Do you feel lethargic?" and "Do you go to bed after midnight?" - a message appeared on the screen warning he was under a lot of stress.

"Don't worry, tomorrow's a fresh new day," the phone then flashed. "Keep your chin up!"

NTT DoCoMo is still testing some of the phone's other technology, including a function to keep track of meals and calculate calorific intake, as well as a networking capacity to let users share data, Tobita said.

Japan has some of the world's most advanced cell phones, enabling users to surf the Web, check in at airports and play motion games.

DoCoMo has not set a release date or price for the Wellness phone. The Tokyo-based company's phones are not sold overseas.

wooooahhh! its like a clinic phone!

It can take your pulse, check your body fat, time your jogs and tell you if you have bad breath. It even assesses stress levels and inspires you with a pep talk. Meet your new personal trainer: your cell phone:cheer:

<http://www.thestate.com/technology-wire/story/193379.html>

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/10/20 14:44

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Another side of the coin

Sophisticated fishing technology and trawler boats showcasing Japanese advancement has led to marine destruction say conservationists.

Experts also point out that developing sophisticated fish farms, now heavily subsidized by local governments, is not easy.

Japan: Another favorite dish going extinct

<http://www.atimes.com/atimes/Japan/IF13Dh01.html>

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## Re:Asia Innovations and Technology

Posted by linsi - 2007/10/21 06:02

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i could say that the Philippines  
has many scientists and innovations.

it's just sad to say that the government's  
corruption overshadowed everything  
that this country can contribute in the name  
of science and technology  
which could magnanimously improve people's lives--

i am just as excited to know that the Philippines  
has formulated its on pineapple wine

[http://business.inquirer.net/money/breakingnews/view\\_article.php?article\\_id=95691](http://business.inquirer.net/money/breakingnews/view_article.php?article_id=95691)

now at at last

SSS set to complete P20-M computerization project :

The IE project will facilitate our systems development and maintenance; promote data sharing and integration of applications. More importantly, it will guide our business decisions," Roca said.

[http://newsinfo.inquirer.net/breakingnews/infotech/view\\_article.php?article\\_id=95702](http://newsinfo.inquirer.net/breakingnews/infotech/view_article.php?article_id=95702)

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## Re:Asia Innovations and Technology

Posted by linsi - 2008/05/23 20:03

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talking about advancement in science and technology in asia  
which japan leads surpassing some western and european countries in matters of innovation-

Indonesia appears ready to tap geothermal energy resources estimated by some industry analysts and experts to be the world's largest

Geothermal generation is essentially a matter of driving turbines using steam from boiling water held under pressure in underground reservoirs. Much of Indonesia sits on an area of active volcanoes, popularly known as the "Pacific Rim of Fire", and some 251 locations across the archipelago have been identified as potentially viable sites for geothermal power production.

[http://www.pesa.com.au/publications/pesa\\_news/feb\\_05/images/nz/Kawerau-2.jpg](http://www.pesa.com.au/publications/pesa_news/feb_05/images/nz/Kawerau-2.jpg)

"Geothermal is very clean energy and its economics can make sense. This is a terrific business for us," said Steve Green, managing director of Chevron's IndoAsia business unit

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## Re:Asia Innovations and Technology

Posted by linsi - 2008/06/06 08:29

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## Japan's space lab about to get bigger

CAPE CANAVERAL, Fla. - The newest space station addition, a giant Japanese science lab, is about to get bigger. After installing TV cameras and removing covers during a spacewalk Thursday, the astronauts at the linked shuttle and station got ready for their next challenge: attaching a storage shed to the bus-size lab. The 210-mile construction job was set for Friday afternoon.

The lab, named Kibo, Japanese for hope, is so big that it had to be split into three shuttle missions to get to the international space station. Its 14-foot storage shed was delivered in March and left in a temporary parking spot. The third and final section, a porch, will be launched next spring.

Spacewalkers Michael Fossum and Ronald Garan Jr. looked like puffy white dolls Thursday against the 37-foot-long, 14-foot-wide lab, which is now the space station's biggest room.

It was their second spacewalk in three days.

"I feel like I'm on a camping trip trying to pack up a wet tent on a Sunday morning," Fossum said as he wrestled with some of the lab's insulation. He and Garan removed thermal covers from the lab's robot arm and added them to a variety of attachment points.

As the spacewalkers toiled outside, their eight colleagues hauled more experiment racks into the billion-dollar lab, and flight controllers near Tokyo monitored the power systems.

"Lots of people at work in there," astronaut Kenneth Ham informed the spacewalkers.

"No, there's not. I don't see anybody," one of the spacewalkers said.

"They got tired of your banging on the roof," Ham answered.

Even with all the racks moving in, Kibo was still noticeably bigger than the eight other rooms at the space station. "We have not seen that much space in space since Skylab," Mission Control told the astronauts in a written message. Skylab was NASA's first space station, back in the 1970s.

Space shuttle Discovery's astronauts delivered and installed Kibo earlier in the week. There are now three labs at the orbiting complex, supplied by NASA, the European Space Agency and, now, the Japanese Space Agency.

On Saturday, the astronauts will test drive Kibo's 33-foot robot arm. The two TV cameras that were set up on the lab's exterior Thursday will be instrumental in those robot-arm operations.

And on Sunday, one final spacewalk will be conducted to replace an empty nitrogen-gas tank at the space station. Fossum and Garan got a head start on that work Thursday.

Just before the seven-hour spacewalk ended, Fossum checked the solar wing rotating joint on the space station's left side. He found streaks of white grease, but no metal shavings like those that are clogging an identical joint on the right side.

Flight director Annette Hasbrook said the left joint looked to be in fine shape and noted that the leaked grease actually may be preventing a buildup of friction between the moving parts.

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[http://news.yahoo.com/s/ap/20080606/ap\\_on\\_sc/space\\_shuttle](http://news.yahoo.com/s/ap/20080606/ap_on_sc/space_shuttle)

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## Re:Asia Innovations and Technology

Posted by linsi - 2008/06/07 07:59

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Technology is often seen in the West as a way of making our lives more efficient or as a way of having fun

But researchers have found big cultural differences between East and West when it comes to what people actually do with their computers and mobiles phones.

In many Asian countries, technology has become a tool for learning, religion and politics, says Intel ethnographer Genevieve Bell.

She has spent the past two years travelling in Asia, looking at how people are adapting technology to suit their own needs and priorities.

"We see all kinds of local reinventions of technology," says Dr Bell, "whether it is people in China using their mobile phones to get the lunar calendar or people using the digital version of the Times of India newspaper matrimonial section to find a spouse."

She says this kind of research is important in helping technology companies tap into social trends and influence the kind of products they offer.

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## Re:Asia Innovations and Technology

Posted by linsi - 2008/07/02 00:12

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mini notebooks (computer laptops)  
for poor students in hong kong

meanwhile in other reports:

Thailand along with

Brazil, Argentina, Libya, Nigeria, and Israel  
have expressed interest in the machines  
which have received support from Google, AMD,  
Brightstar, News Corporation, and Red Hat.

Negroponte told Silicon.com  
at the ITU Telecom World conference in  
Hong Kong that some wealthy countries,  
including Finland, United Arab Emirates,  
and France, have stepped forward  
with offers to buy the computers  
for developing countries including  
Namibia, Pakistan,  
and French-speaking African countries, respectively.

<http://news.mongabay.com/2006/1206-olpc.html>

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## Re:Asia Innovations and Technology

Posted by linsi - 2008/07/20 18:11

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1st Japan-made communications satellite to be launched in August  
Sunday 20th July, 05:53 AM JST

TOKYO —

Mitsubishi Electric Corp it has finished building the first Japanese-made communications satellite and started preparations for its launch on Aug 13.

The Superbird-7 satellite for Space Communications Corp, a unit of Sky Perfect JSAT Holdings Inc, has been transported to the Guiana Space Center, the launch site in French Guiana, Mitsubishi Electric said.

The new satellite will be the successor to Space Communications' Superbird-C used for broadcasts. It will be launched on an Ariane 5 rocket of France's Arianespace SA. It will remain at an altitude of 36,000 kilometers, 144 degrees east longitude in a geostationary orbit for 15-year operations.

All 18 satellites now used by Japanese broadcasters and telecommunications carriers are U.S. made.

Mitsubishi Electric is in charge of the design and construction of the new satellite as well as its launch and performance tests. The satellite was manufactured at the company's Kamakura plant in Kanagawa Prefecture, southwest of Tokyo

<http://www.japantoday.com/category/technology/view/1st-japan-made-communications-satellite-to-be-launched-in-august>

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## Re:Asia Innovations and Technology

Posted by linsi - 2008/08/17 03:29

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The Philippines has the third largest user base for YouTube in the Asia Pacific region, next to Japan and Australia, said Dipchand Nishar, senior director of Google for Asia Pacific products, in an interview here Friday..

<http://newsinfo.inquirer.net/breakingnews/infotech/view/20080817-155192/Google-focuses-on-mobile-apps-user-generated-content-in-RP>