



Exhibition Extra

2008 Taipei Int'l Invention Show & Technomart

Sept. 25-28

www.InvenTaipei.com.tw www.twtm.com.tw/2008tech

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Bulletin Board

Show Dates & Hours

Sept. 25-28 9:30-17:30

Exhibition Extra

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Ministry of National Defense
Ministry of Education
National Science Council
Council of Agriculture

Hosted by:

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Cutting-edge innovations at NSC hall

The Innovative Technologies of National Science Council (NSC) pavilion opened at the Taipei International Invention Show and Technomart yesterday with a bang, this year featuring creative, cutting-edge technologies, products and inventions.

During the hall's opening ceremony, the NSC announced the transfer of five technologies developed by Taipei Medical University, National Taiwan University, and National Taiwan University of Science and Technology, with royalties totaling NT\$30 million. The five products may generate turnover of NT\$300 million, once commercialized.

Many of the products on display at the pavilion have eco-friendly functions. An invention by National Chung Hsing University, for example, turns waste agricultural products into organic fertilizers. The invention has production potential of NT\$7.2 billion per annum. National Taiwan University's pollution monitoring device, meanwhile, has production potential of US\$180 million.

President: Innovation is key force behind economic growth

President Ma Ying-jeou yesterday lauded the creativity of Taiwan's inventors, saying innovation is the driving force behind the island's economic growth.

The president made the remarks during the opening ceremony of the Taipei International Invention Show and Technomart, taking place at the Taipei World Trade Center from now to Sept. 25 to 28.

In his opening address, Ma said the 21st century is the era of knowledge economy, a time that will be dominated by innovative R&D. "Innovative R&D creates prosperity



and welfare, improves the quality of living, and promotes technological progress, economic development and cultural improvement."

Ma recognized Taiwan's effort in encouraging innovation, a task that has achieved great results.

Citing the Global Competitiveness Report issued by the Economist Intelligence Unit, the president said Taiwan's innovative capabilities will rank sixth in the world and second in Asia from 2007 to 2011.

At the same time, Ma said, the government will do its best to help businesses and individuals create innovative technologies, especially those that are eco-friendly. "The government is exerting tremendous effort to integrate its strengths with those of industry and academia by adopting new approaches and strategies, and by encouraging people to

commit themselves to inventions in the field of green industries," Ma said.

For his part, John Deng, Deputy Minister of Economic Affairs, said the government will increase its budget for technological R&D from the current 2.6 percent of GDP to 3 percent by 2012 and 3.5 percent by 2016. He also urged people to respect and protect intellectual property to stimulate more R&D and innovation.

The Taipei International Invention Show and Technomart this year sees 641 local and international exhibitors running 907 booths, a 15 percent growth from 2007. The show is divided into three sections: the Invention Product Area, the National Invention and Creation Award Winners Area, and the Technomart.

ARTC presents its latest automobile safety device

The Automotive Research and Testing Center (ARTC) is introducing its latest design at the 2008 Taipei International Invention Show and Technomart: an advance driver assistance system.

"The device includes a blind spot detection system [BDS] and an advanced safety warning system [ASW]," said Wu Yu-hsiang from the ARTC's Electrical and Control System Group, who noted that constructors of high-end vehicles have already adopted such innovative technology in their design.

The ASW integrates both departure and forward lanes anti-collision warning functions. It can detect road markers and vehicles ahead and send early warnings to alert drivers of an imminent danger.

"The system integrates image processing, control logic design, automotive electronic, hardware design and on-vehicle testing and validation," explained Wu.



"By using a visio-based algorithm, the ASW not only recognizes lane departure but can also detect collision," he added.

In addition, Wu stressed that BDS can detect the vehicle status in both blind areas on the left and right sides on the vehicle, by active image recognition processing.

"As the object with vehicle characteristics in blind area is detected, BDS issues the pre-warning (lighting) or warning (beep and lighting) messages to the driver," he went on. "Accidents, occurring when a vehicle changed lane, can be avoided effectively."

Creative entrepreneurs compete to invent most innovative products

HGiga, Proview and several small and medium enterprises (SMES) have joined in the product invention competition held alongside the 2008 Taipei International Invention Show and Technomart.

Augustus Huang, president and CEO of Proview, is presenting his latest eye-training optics, nicknamed Proview Focus-Optics, which allegedly improves eyesight problems by turning blurry images into focus ones, including nearsighted, farsighted, and astigmatic.

"Too much light coming into the eye is what causes eyestrain," he pointed out.

Accordingly, the innovative optics consist of special alloy frames made of black composite nylon lenses perforated by laser so that rows and holes have different angles in a prescribed configuration.

"The holes outside diameters are the same by inside diameters of all different," said Huang, while explaining that 'pinhole glasses,' were first invented by a scientist named Scheiner in 1573.

"Anyone with blurry vision can use the Focus-Optics as natural alternative for glasses, including to watch television," he added.

Yet, wearing pinhole glasses

Local, int'l groups showcase their best at IP Marketplace

One of the core parts of the Technomart is the Intellectual Property Marketplace, where innovative products and inventions by many companies and schools are showcased.

Besides local brilliance on display, there are quite a lot of inventions from other countries like the United States, Japan, the Republic of Korea and Singapore.

From the Polytechnic Institute of New York University, Professor Spencer Kuo brought several of his plasma technology products. These included a blood coagulator, an air sterilizer and even a carpet sterilizer.

The blood coagulator is a handheld device which emits a plasma torch that can clot blood without damaging surrounding skin and tissue as well as sterilize wounds.

The air sterilizer goes beyond normal air purifiers by using plasma torches to kill microbes in air



passing through, thus not just filtering.

Taiwanese technology broker Sinew Consulting presented two products — a health management service software and the modular wind turbine. The health management software processes personal health information input by users such as blood pressure, bone mass and temperature and immediately gives users feedback on how to improve their health.

The modular wind turbine consisted of an array of several small fans which utilize wind to generate electrical power.

outdoor won't prevent a new innovative software to swiftly and accurately count you among the people watching commercial advertisement played on a public TV set.

The software, nicknamed TeraMedia, is developed by HGiga, which has accumulated a long and solid professional experience in the internet security field over the last 15 years.

"While onlookers watch adver-

tisement on a commercial display, TeraMedia counts the faces turned toward the screen according to a length of time previously set, 3 seconds to 10 seconds," said Chang Yi-ran, RD engineer at HGiga.

TeraMedia is then able to immediately adjust the content of the program or delay advertisement, if there aren't enough people watching the current program, he explained.

Sept. 26 activities

11:00-11:30	New Product Announcement: Ming-Young Biomedical Corp.
11:30-12:00	New Product Announcement: SHYI YAU CORP.
14:00-14:30	New Product Announcement: IDEA & JIT (Spain)
14:30-15:00	New Product Announcement: The Table Tennis Sensation: Triples and Modular Table Tennis!—PiTech IndusTrial (Australia)
15:00-15:30	New Product Announcement: TOPLAY INC.
16:00-16:30	New Product Announcement: VICAS TECHNOLOGY CO., LTD.