

techman / September 15, 2010 09:57AM

[\[International Cooperation\]\[Brain Wave\] NCTU Invents Brain Wave Anti-Napping Device, Supported by the U.S. Army](#)

[International Cooperation][Brain Wave] NCTU Invents Brain Wave Anti-Napping Device, Supported by the U.S. Army ([Chinese Version](#))

Udn.com (2010/09/15) & The Liberty Times (2010/09/14) Brain Research Center, National Chiao Tung University (NCTU), invents MINDO, a brain wave detection device which can detect the brain wave signals to monitor the consciousness state and concentration of the long-distance drivers, police or military officers. The project receives a sponsorship of eighty million NT dollars for five years from the U.S. government, making the highest record of the U.S. governmental sponsorship for Taiwan's single research project.

NCTU met the press on September 14, announcing that from this year the Army Research Laboratory (ARL) of the U.S. Army will begin to spend eight hundred million NT dollars on an international cooperation project of five universities (including NCTU, University of California at San Diego, University of Michigan, University of Texas at San Antonio and University of Osnabrück in Germany) for five years to investigate the soldiers' brain function under high stress and how to enhance the judgment in stress and fatigue.

According to NCTU, this makes the highest record of the U.S. governmental sponsorship on a single project in one single university ever in Taiwan. Dr. Ovid J. L. TZENG, Minister without Portfolio, Executive Yuan, also points out that Taiwan is highly potential in brain science with regard to be invested by the U.S. government, so by Taiwan's own government "with no doubt" as well!

NCTU-Brain Research Center began to function since 2003; it focuses on neuroscience investigations. This year, the center has presents the new model of MINDO, a mobile wireless multi-channel brain detection device, which can detect and record the brain wave signals to monitor the conscious state of the wearer. The device can be used not only by the long-distance drivers or uniformed personnel, but also for the medical investigation such as on sleep quality, depression and Alzheimer's Disease. Besides, MINDO can also be applied to computer games which can help increase brain concentration.

MINDO has small size and is less than 200 grams. It uses bluetooth transmission and USB rechargeable battery that can last for 20 hours. The device is applying for patents now.

Further Information:

[Udn.com 2010/09/15](#) (Chinese)

[The Liberty Times 2010/09/14](#) (Chinese)

Edited 3 time(s). Last edit at 09/15/2010 10:02AM by techman.

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