

CUHK at Innovation Festival 2007

The five-day 2007 Innovation Festival will be held from 14 to 18 September in Hong Kong Convention and Exhibition Centre. As one of the main exhibitors, The Chinese University of Hong Kong will introduce a series of latest technology breakthroughs during the exhibition. Located at Hall 1 booth F2 and covering more than 350 square meters, the CUHK's booth is divided into six zones, including Magic Mirror Corridor, Care for Environment, Health Care, Wireless Communication, Education Technologies and State Key Labs, displaying over 20 research projects led by the University.

Zone 1: Magic Mirror Corridor

The Magic Mirror Corridor is a must-go zone for those who have never been to CU campus. The Magic Mirror Corridor guides visitors in a virtual tour of the beautiful landscape of CUHK, showing landmarks of its four different colleges and the best treat served in different canteens. The Magic Mirror Corridor is constructed by several technologies including 1) Augmented Reality Computing Arena for Digital Entertainment, 2) "Face-to-Face" Entertainment Computing Technology, 3) Automatic Face Recognition System and 4) Automatic Segmentation and Tracking Tools for Real Time Video Services.

Zone 2: Care for Environment

The development of Intelligent Omni-directional Hybrid Electric Vehicle (IOHEV), supported by CUHK and various mainland universities, has almost reached the final stage. In addition to vehicle's prototype and other motor parts, we will build a rotating platform for the vehicle to illustrate the movements of the wheels that enable 4-wheel drive and 4-wheel steering.

In the "Care for Environment" zone, a satellite model used in the Monitoring and Warning System for Fishery Disasters and Paddy Rice Yield in China will also be exhibited.

Zone 3: Health Care

Over 10 research projects on health care technologies are exhibited in this zone. One of the exhibits - the Vibration Platform for Skeleton Strengthening- can strengthen the skeletal system; prevent and treat osteoporosis; improve blood circulation and muscle functions.

In the same zone, another exhibit - Fall-safe Airbag System is designed specifically for the elderly. The System can protect users from fall by triggering the airbag upon impact. Other exhibits include Surgical Robotic Arm, Sprain-free Running shoes, and the highly computerized "SMARTWARD".

Zone 4: Wireless Communication

A real-time demonstration of "RFID Technologies for Logistics Management" system will be held regularly in Zone 4. The system uses active and passive RFID tags to manage logistic and food security.

採訪邀請

Press Invitation



香港中文大學工程學院

Zone 5: Education Technologies

A game system called "Farmtasia" developed by the Centre for the Advancement of Information Technology in Education (<http://www.farmtasia.net>). In addition to academic knowledge, the game can help students to develop high-level skills for communication and problem solving in addition to subject knowledge. It also cultivates students' awareness of environmental protection.

State Key Laboratory in Oncology in South China (CUHK)

Cancer is the number one cause of death in Hong Kong. Our Laboratory, the only State Key Laboratory in Hong Kong specializing in oncology, is extremely important in combating this prevalent disease. Key research areas of the State Key Laboratory include the identification of new cancer markers, development of advanced screening technology, molecular staging strategies and new cures for cancers.

We will exhibit the latest research results from the Lab, including Molecular Research on Hepatocellular Carcinoma, Deciphering Nasopharyngeal Carcinoma Genome, and how to reactivate silenced genes and restore normal cell growth control as new cancer therapies. Several games are prepared to enhance the public knowledge on cancers and DNA.

Innovation Festival 2007

Website: http://www.innotech.gov.hk/en/inno_forces/innovationfestival/index.html