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[Applied Infotech] NCKU Professor Develops Intelligent Interactive Online Platform, Enhancing the Elderly's Home Safety and Preventing Senile Mental Deterioration

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[Applied Infotech] NCKU Professor Develops Intelligent Interactive Online Platform, Enhancing the Elderly's Home Safety and Preventing Senile Mental Deterioration (Chinese Version)

NCKU Realtime News (2010/02/23) Professor Yau-Hwang KUO of the Department of Computer Science and Information Engineering, National Cheng Kung University (NCKU), has been devoting himself to the elderly's digital medical and home caring for years. He established the first E-life digital research center in Taiwan in 2000 and has brought forth several novel products for the elderly's caring. In the near future, the elderly will be able to play games, watch movies or chat together with friends or relatives via the internet platform by using the TV remote control. With the platform, a more comprehensive medical caring and consulting service for the elderly will be provided and the senile home safety as well as the prevention of mental deterioration will be greatly enhanced.

The team led by Professor Yau-Hwang KUO is teamed up with members of medical, geriatric, and psychological experts from National Cheng Kung University Medical College and the Hospital, also cooperated with Kaohsiung Veterans General Hospital and Tainai Veteran Homes. The team aims at building an E-life service environment for the elderly. For instance, the intelligent interactive online platform allows the elderly to enjoy online social lives with simplified interface; Internet Protocol Television (IPTV) covers up the audio, video services as well as interactive services such as games, chatting, emergency report, ticket booking, shopping, dial-a-ride, etc; with mobile devices such as PDA or cellphone, the "Multimedia & Television Blog" can reach the computer at home to watch online TV shows or command the domestic computer to record programs; the emotion recognition system can analyze certain physiological signals and facial expressions to identify the emotional state of the elderly and inform the relatives far away.

Further Information:
Center for Research of E-life Digital Technology, NCKU
NCKU Realtime News 2010/02/23 (Chinese)

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