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## 第九屆挑戰杯揚威(9th Challenge Cup)

Mr. Xie Yongming (M.Phil. student of the Department of Computer Science and Engineering) won the First Award in the 9th Challenge Cup held at Fudan University, Shanghai. The bi-annual Challenge Cup is considered the premier national competition of extra-curricular technological projects of university students. It pools the best young innovative brains from all corners of China.

The awarded project "Virtual Acupuncture" provides an intelligent virtual environment for Chinese acupuncture training; an interactive platform for research into the clinical and therapeutic handling of diseases; and an innovative virtual human model for the study of acupuncture. The system supports multiple languages, many types of medical images and 3-dimensional acupuncture positioning. Innovations include force feedback to simulate needle puncture, visualization of cutting planes and multi-layer dissection at each acupuncture point, and extremely high quality rendering of a huge dataset on a single PC by means of novel visualization and image data compression technologies.

Mr. Mak Chi Chung and Mr. Chan Chi Chun (undergraduate students of the Department of

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Computer Science and Engineering) won the Third Prize. The awarded project, the CUPIDE (Chinese University Plagiarism Identification Engine) System is a new generation plagiarism detection software designed for promoting and upholding academic honesty in academic institutions.



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