



# 新聞稿

## 理大劉曉鋒為機場旅客及遊客研發短訊服務

剛於去年獲取一級榮譽畢業的理大畢業生劉曉鋒雖然身患頑疾，需要長期坐輪椅，但他排除萬難，憑着一雙筷子敲打電腦鍵盤開發了一套以 SMS 短訊為基礎的服務。這項服務可協助機場旅客和遊客隨時獲取最新的航班狀態資訊及查找在香港的商店或餐廳。

曉鋒在理大電子計算學系副教授陳峻斌博士的領導下開發這個項目，身患「杜興氏肌肉營養不良症」的曉鋒選擇在母親節前夕於理大與互聯網專業協會合辦的研討會上發表中期研究成果，作為一份特別禮物送給摯愛的母親。是次研討會獲得香港通訊業聯會、香港電腦學會、香港太平洋獅子會及香港電腦教育學會支持。

理大協理副校長及工程學院院長衛炳江教授多謝各機構及人士支持這個有意義的項目，他表示理大一向重視應用研究，致力培育學以致用的年青人，曉鋒是其中一個成功的例子。另外，互聯網專業協會會長鄧淑明博士致辭時表示，SMS 短訊是現今最常用的通訊服務之一，她讚揚曉鋒為項目所作出的努力，提供增值服務予機場旅客及遊客。

該項目旨在提供一套三項以 SMS 短訊為基礎的服務。第一項服務為機場旅客提供抵港／離港及過境航班的資訊；第二項服務使用智能計算機技術，透過 SMS 短訊向旅客推薦商店／餐廳；第三項服務則透過與外部設備的聯繫，提供增值服務。

曉鋒是香港紅十字會甘迺迪中心的畢業生，二零零六年他成功考入理大電子計算學系，是他人生第一次嚐到夢想成真的滋味。雖然病患令曉鋒的肌肉不斷萎縮，但他沒有自暴自棄，專注學業，最後更以優異的成績取得一級榮譽畢業。

曉鋒才華出眾，他以畢業作品「基於射頻識別及短信通訊技術的航班與廣告信息系統」參加「2009 泛珠三角安利杯大學生計算機作品賽」，並擊敗四十多隊來自超過二百間大學的參賽隊伍，奪得金獎。該作品同時為他贏得香港資訊及通訊科技獎 2009 最佳創新及研究（大專及大學）金獎。

曉鋒開發的 SMS 科研項目由香港電訊管理局資助港幣四十萬元，並獲得香港機場管理局、迪思顧問、DHL 全球貨運物流、香港數碼港、香港射頻、和記電訊（香港）、互聯網專業協會、高威電信、Xgate 及 2DiC 公司的支持。

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# PRESS RELEASE

8 May 2010

## **Computing talent develops SMS-based services for airport users and tourists**

A young computing talent who works on a wheelchair and strikes the computer keyboard with a pair of chopsticks has developed a package of SMS-based services against all odds. These services would enable airport travelers and tourists to have convenient access to information on updated flight status as well as shopping outlets or restaurants around Hong Kong.

The project is developed by Mr Lau Hiu-fung, who suffers from Duchenne Muscular Dystrophy, under the supervision of Associate Professor Dr Henry Chan of the Department of Computing at The Hong Kong Polytechnic University (PolyU). Hiu-fung is presenting his work as a special gift to his beloved mother on the eve of Mother's Day at a seminar jointly organized by PolyU and the Internet Professional Association (iProA). This seminar is also supported by Communications Association of Hong Kong, Hong Kong Computer Society, Lions Club of Hong Kong (Pacific) and The Hong Kong Association for Computer Education.

Prof. Alex Wai, Associate Vice President and Dean of the Faculty of Engineering, thanked all the organizations and people for supporting this meaningful project. He said PolyU is dedicated to advancing applied research and is also devoted to nurturing young people for the society and putting theories into practice. Hiu Fung is one of the successful examples.

Addressing the Seminar, Dr Winnie Tang, President of iProA, said SMS is one of the most commonly used telecommunications services. She also praised Hiu-fung for his efforts on this project which provides value-added services for both airport travelers and tourists.

This project aims to develop a package of three SMS-based services. The first service provides arrival/departure and transit flight information for airport users. The second service recommends shops/restaurants through SMS using intelligent computing techniques. The third service provides value-added services through interaction with external devices.

Hiu-fung was a former student of the John F. Kennedy Centre of the Hong Kong Red Cross. His first dream was realized when he was admitted to PolyU to pursue a BSc degree in computing in 2006. Undaunted by the continuing deterioration of his physical condition, he keeps on working hard for his studies and graduated with first-class honour in 2009.

He showed his talent and snatched the Gold Award of the 2009 Amway Pan-Pearl River Delta Region Universities IT Project Competition with his final year project "RFID/SMS-based Flight Information and Advertisement System", after beating nearly 40 teams

from more than 200 universities. He also won the Gold Award in the Hong Kong ICT Awards 2009 in the Best Innovation and Research (College & Undergraduates) Category.

The SMS project developed by Hiu-fung is funded by a \$400,000 grant from the Office of the Telecommunications Authority (OFTA). It is supported by Airport Authority Hong Kong, Decisive Consulting, DHL Global Forwarding, Hong Kong Cyberport, Hong Kong RFID, Hutchison Telecommunications (Hong Kong), iProA, Macroview Telecom, Xgate and 2DiC.

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