

# 電腦科學系學生奪日本國際會議 最佳學生論文獎

## Computer Science student receives international paper award on computer security

(於2007年11月22日刊登)

香港城市大學（城大）電腦科學系博士生黃瓊以題為「應用於標準模型的一般性無須認證加密方案」的研究論文，參加今年10月於日本舉行的著名電腦安全國際會議IWSEC 2007（International Workshop on Security），並在30份來自世界各地的入選論文中脫穎而出，贏得最佳學生論文獎，成為首位獲得該獎項的香港學生。

黃瓊的獲獎論文探討在標準模型內的安全方案，並提出首套已證實能夠在標準模型下抵禦針對管理私匙機構Key Generation Centre惡意攻擊的無須認證加密方案，將可提升電子通訊的安全性。他得到學系助理教授王石博士的協助，在兩個月內完成有關研究，並且為標準模型內的安全方案提出了有效的新建議。這次獲獎，再次印證城大在應用研究方面的成就獲得國際肯定。

王博士表示：「學系過往也有不少學生在國際會議上獲得嘉許，但這次能夠在加密技術的著名國際會議上獲獎實在非常難得。黃瓊的論文對加密技術的貢

獻很大，他的研究建立了首個用於標準模型的安全結構。」

黃瓊去年於上海復旦大學取得電腦學碩士學位後即加入城大，一直跟隨王石博士從事數碼簽署的研究。今年初他為了參加日本的IWSEC 2007國際會議，便開始研究電腦保安問題。

黃瓊說：「城大提供很多國際性學術交流的機會，學系經常邀請海外學者擔任訪問學人，與同學進行討論及交流。這是我第一次獲得論文獎項，我感到非常高興。」

黃瓊認為城大的學術研究氣氛非常濃厚，同學都十分投入。他說：「城大為我提供一個理想的研究環境，學系的技術水平及設施絕不比歐美大學遜色。這次獲獎，證明我們的研究成果獲得國際認同。」

IWSEC由日本電子情報通訊學會及日本情報處理學會合辦，是電腦保安技術界非常重要的國際會議。今年10月底在日本奈良舉行的是第二屆會議，收到來自世界各地共約120份論文，僅30份獲大會接納，黃瓊的論文是唯一一篇獲接納的香港論文。

(Published on 22 November 2007)

Huang Qiong, a Computer Science PhD student at City University of Hong Kong (CityU), was awarded the Best Student Paper Award in the 2007 International Workshop on Security (IWSEC), held in Nara, Japan in October.

Among the 30 contributions selected by the conference, his paper entitled "Generic Certificateless Encryption in the Standard Model" was the only entry from Hong Kong. He is the first Hong Kong student to win the award. His research will enhance the security of electronic communications.

Huang completed the paper in two months under the supervision and guidance of Dr Duncan Wong Shek, Assistant Professor from the Department of Computer Science of CityU. The award is international recognition of one of the achievements of CityU students and academics.

"A number of students from our department have

previously received acclaim at international conferences. But it is the first time one of our students has won an award in a very prestigious international conference on cryptography," said Dr Wong. "Huang has built the first secure structure for the standard model and it is a great contribution to the development of cryptography."

Prior to joining Dr Wong to research digital signatures, Huang received a master's degree in Computer Science from the Graduate School of Shanghai Fudan University. In order to join the IWSEC, he began his computer security studies at the beginning of the year.

"My scope of research has been broadened through discussions with international scholars as well as students at CityU," said Huang. "At this University I am offered many opportunities to attend international conferences. I am delighted to be the recipient of a paper award at an international conference."

Huang said CityU had a vibrant learning atmosphere and students were very dedicated to their studies. "The academia and facilities here are of as high a standard as those in Europe and America. The award is proof that our research is being internationally recognised," Huang said.

IWSEC is a prestigious international conference on computer security organised by the Information Security group of The Institute of Electronics, Information and Communication Engineers and the Computer Security Group of Information Processing Society of Japan. The 2nd IWSEC received around 120 submissions from around the world, of which only 30 were accepted.

### Other media coverage :

#### Newspapers

23-11-2007 Metro Daily HK《都市日報》, Sing Tao Daily《星島日報》, Oriental Daily News《東方日報》, The Sun《太陽報》, Ta Kung Pao《大公報》

#### Website

22-11-2007 Sina.com《Sina新聞中心》

#### Other works (or related links):

CityU Institutional Repository  
<http://dspace.cityu.edu.hk/handle/2031/4873>