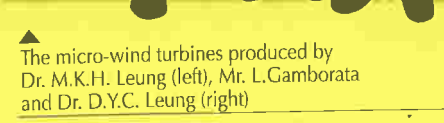
Results from wind tunnel and field tests are very encouraging. We look forward to further innovative development, and environmental benefits to the community. ■



The micro-wind turbines produced by Dr. M.K.H. Leung (left), Mr. L.Gamborata and Dr. D.Y.C. Leung (right)

"Lineament Monitoring System"

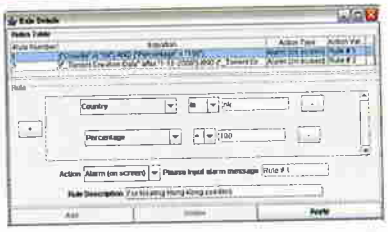
Automatic 24-hour monitoring of online copyright infringement

Department of Computer Science

Unlike the combat against other types of piracy activities, when tackling Internet piracy and other computer crime problems relating to infringement of intellectual property rights, law enforcement cannot be easily accomplished by manual inspection. Tools and technologies to perform automatic and systemic digital data collection are needed.

For the purpose of Internet investigations, the Customs and Excise Department (C&ED) and Centre for Information Security and Cryptography (CISC), Department of Computer Science, Faculty of Engineering, the University of Hong Kong have jointly developed a computer system named "Lineament Monitoring System". It is capable of performing automatic 24-hour monitoring of online copyright infringement by BitTorrent (BT) users. The system is now in use by C&ED since March 2007.

Advanced technologies have been adopted in the research and development of the Lineament Monitoring System. Web Crawling algorithm has been used to search through the specific forums on the Internet. The Lineament Engine developed by 2 final year project students of Computer Science Department in 2006, Martin and Robbie, is used to decode and analyze the BT protocol. Artificial intelligent and expert system technology has been used to allow officers of C&ED to create their own rules to monitor and track potential Internet piracy activities. ■



Screen capture of the Lineament Monitoring System

Splash screen of the Lineament Monitoring System