
Gold Award Winners of the Hong Kong Information and Communications Technology (HKICT) Awards

Adapted from CityU News Centre

River Li Tin-ho (PhD) and **Andrew Leung Siu-wai (MPhil)** won the Gold Award and the Certificate of Merit (Best Social Responsibility) for an **energy-efficient burn-in system for power supplies**.



The system was developed under the guidance of **Prof Henry Chung Shu-hung**. Applying the concept of reusing electricity, the system is expected to save 70% of electricity used in the traditional burn-in process, as well as to lower production costs for power-supply manufacturers and push back the frontiers for developing technology for recycling electricity.

Initiated and sponsored by a local manufacturer of AC/DC power supplies, River and Andrew began working on ways to develop an energy-efficient burn-in system under the guidance of Prof Chung in 2002. The project obtained sponsorship from the Hong Kong SAR Government's Innovation and Technology Fund, under the Innovation and Technology Commission, in 2004. A prototype system was developed in 2005 and operational tests were conducted in 2006.

River, now a PhD student, is still doing research on the system and would like to make it applicable in more circumstances. Andrew graduated with an MPhil in 2007.

"I have not only acquired knowledge of electronic engineering in CityU, but also become aware of striking a balance between technology and environment," River said. "Inspired by Prof Chung, I understand more about the importance of saving energy. While technology provides us with convenience, it may harm the environment around us."

More: [Energy-efficient Burn-in System for Power Supplies](#)

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