



Prizes and Awards

The HKIE Innovation Awards for Young Members 2009

With the aim of encouraging our young members to develop their creativity through innovative application of engineering knowledge, as well as inspiring upon them to develop their intellectual and career interests in engineering, the Institution was pleased to launch the 'HKIE Innovation Awards for Young Members'. In its second consecutive year with the generous support of the family of the late Ir Kenneth Au-yeung. The entries could focus on any areas of engineering disciplines within the context of the HKIE. There were two main categories, namely Category I - An Invention and Category II - An Innovative Application of Engineering Theories. The innovativeness of the design would be assessed based on its originality and creativity. This year, Ir Lam Kam-ming Alvin (Category II) was the recipient of the Grand Prize.

A Special Combined Deep Foundation System by Ir Lam Kam Ming Alvin

Ir Lam Kam-ming Alvin joined Ove Arup & Partners Hong Kong Limited upon his graduation from the Hong Kong University of Science and Technology in 1999 with a First Class Honours degree in Civil and Structural Engineering. Striving for his professional development, Ir Lam further pursued his Master of Science degree in Geotechnical Engineering at the University of Hong Kong in 2003. He is currently working as a Senior Geotechnical Engineer at Ove Arup & Partners Hong Kong Limited. Ir Lam has extensive experience in managing large-scale geotechnical projects and he specialises in deep basement and foundation designs both in Hong Kong and South Korea. Ir Lam's outstanding achievement in the engineering profession was widely recognised. In particular, he was the awardee of the Fugro Prize Competition presented by the HKIE in 2006/07.

Ir Lam's award winning 'A Special Combined Deep Foundation System' is targeted for combining two different foundation systems using a large diameter bored pile as the center pile and pre-bored H-piles as the peripheral supplementary piles with preloading provides a cost-effective foundation solution for columns with huge column load during basement construction by top-down method. Pre-loading at the head of the supplementary piles effectively relieves the temporary load at the center pile upon pile cap construction, which enables the capacity of both foundation systems to be fully utilised in the permanent condition.

This year, Certificate of Merit of Category II was presented to 'Engineering Practice Evolution - Earth Mat', which is an exemplary project to demonstrate how engineers of different disciplines can work collaboratively and unreservedly with creative thinking to develop cost effective, energy wise and environmental friendly solution, by Mr Chan Tsz-kin Ken and Mr Wong Kam-wah Leo who both are now working in CLP Power Hong Kong Limited.



Ir Lam Kam Ming Alvin (R) receiving the HKIE Innovation Awards for Young Members - Category II from President Ir Peter Y Wong

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