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Technical Seminar Contemporary Trend of Engineering

As part of the “Engineering for better quality of life” Programme by (i) Hong Kong Association of Risk Management and Safety; (ii) HKIE Control, Automation & Instrumentation Division ; (iii) HKIE Nuclear Division; (iv) Institute of Measurement and Control; (v) SOEHK; (vi) The Hong Kong Ergonomics Society, and (vii) Institution of Engineering and Technology, the Management section of IET presented the talk on “contemporary trend of Engineering” focusing on energy efficient applications like heat pump water heaters, induction cookers and their real life designs in the small house residential market on 29 Nov 2007 at the City University to more than 100 members from IET and 5 other supporting institutions.

On this occasion, Mr, Charles Chan of Hotpool Industries Limited was invited and the latest technological advancement of Heat Pump Water Heating. Various product types including Air-to-Air, Air-to-Water, and Air-to-Ground as well as their characteristics were comprehensively explained. When climate change becomes one of the environmental concerns, he also mentioned that these provided viable opportunities to yield energy savings as high as 67% when compared with traditional water heaters since COP (coefficient of Performance) is up to 3 for these highly energy efficient products.

Mr. Edwin Lau of InfoLand Consultants Limited then went on to outline the small house policy in Hong Kong and their flexibility in home design. In particular, All Electric Home incorporating the use of heat pump water heating and the latest range of electric appliances help improve traditional facilities in these small houses by providing comfort, convenience and modernization. Discussion also focuses on the home security and the control with human interfacing through smart home design concept.

Questions raised from participants (more than 100 through the concerted efforts from various institutions) suggested that the heat pump water heating was widely regarded as the star products for saving energy and reducing localized CO2 emissions. The All Electric Home/Smart home design also generate interests/enquiries as it is able to improve lifestyle and offer quality living. These demonstrate the relevance and our keen interests toward “Engineering of the better quality of Life”.

Reported by Aldous Leung, MS



