

2013 Wind Turbine Model Design Contest

In order to promote the awareness of energy saving and understanding on renewable energy among secondary school students, in particular the lower form students, the Electrical Division of the Hong Kong Institution of Engineers has organized a competition called the “2013 Wind Turbine Model Design Contest”.

This is the second year that the Electrical Division has organized the same event. The contest was designed for all F.1 to F.3 full-time students to attract their interest in electrical engineering, to stimulate creativity and also to foster their understanding on wind power through modification of an off-the-shelf wind turbine model. To ensure fair competition among participating teams, a wind turbine model was provided to each team and they were allowed to modify or build their own wind turbine model to maximize the efficiency, but with the expenditure limit of HK\$1,000. To encourage participation, all costs incurred in the modification will be reimbursed to each team.

The contest is open to all full-time secondary schools in Hong Kong and this year we have a total of 30 secondary schools participating the competition on 21/4/2013 at Zero Carbon Building. A judging panel from Mr. Alan Wong, representative of the Hong Kong Subsidized Secondary Schools Council, Ir Patrick Cheung, Chief Engineer of Electrical & Mechanical Services Department and Ir Albert To, Chairman of Electrical Division, was formed. The team with the best energy output, creativity, workmanship and presentation skill will become the winner. After two rounds of exciting but interesting competition, the champion, first runner-up and second runner-up of the contest were finalized and they were CCC Tam Lee Lai Fun Memorial Secondary School, Cotton Spinners Association Secondary School and Tsuen Wan Public Ho Chuen Yiu Memorial College respectively.

To let our fellow engineers and general public to appreciate the creativity of the students, we had also arranged to display the champion team models in Olympian City during the Engineering Week event. In addition to the reimbursement of modification expenditures, a field trip to a commercial wind farm is being organized for the winning teams as part of the prizes of the contest to further enrich their understanding on various renewable energy options.



The champion team CCC Tam Lee Lai Fun Memorial Secondary School and Ir Albert To (left 3)



Group photos of all the students, judges and organizing committee members.