

**2-day CPD Workshop organized by the Department of Building Services Engineering –
“Advanced Photovoltaic System Design and Installation Workshop”
By Prof Anthony Chi Man Sung, Dr Patrick Ya Ping Du, and Prof Hongxing Yang on 25-
26 Aug, 2011**

A CPD workshop spanning over two days was presented by Ir Prof Anthony Chi Man Sung, Dr Patrick Ya Ping Du, and Ir Prof Hongxing Yang, on 25th to 26th August. The workshop aimed at providing professionals in the built environment field, including architects, engineers, facility managers and energy auditors, with advanced and updated knowledge on the design and installation of photovoltaic (PV) systems.



(L) Dr Patrick Ya Ping Du;



(C) Ir Prof Anthony Chi Man Sung, and



(R) Ir Prof Hongxing Yang

Ir Prof. Sung is a Chartered Electrical Engineer (CEng) and a Fellow of the Chartered Institution of Building Services Engineers (FCIBSE) as well as IET (FIET). He is Chairman of the CIBSE Electrical Services Group. Prof. Sung is also Adjunct Professor to our department and provides valuable input into teaching and research in Sustainable Building services engineering in the built environment.

Dr. Patrick Du is a member of the Institution of Electrical Engineers, and a Chartered Engineer of UK. Dr Du is also an Associate Professor specializing in electrical servicing engineering in our department.

Ir Prof. Yang is the leader of the Renewable Energy Research Group (RERG) which heads a number of research and consultancy projects related to sustainable energy sciences and development based in our university. He has had many years of experience of working in local research and development of solar photovoltaics in Hong Kong, especially in solar photovoltaic integration in buildings (BIPV) and solar cell studies.



Prof. Sung explaining concept to the audience

The learnt lecturers focused on illustrating the different techniques applied to estimate the prospective MWh yield of a PV system in Hong Kong, Mainland China and South East Asia countries. During the two days, topics including the advantages and disadvantages of various types of PV systems, facts on earthing and bonding of PV module frames and support structures, lightning and surge protection of grid connected PV systems, and commission information of such systems were discussed at great length. Case studies were also employed to provide a concrete insight into practical design and installation.



Prof. Sung (R) and Dr. Du (L) examining data

The majority of attendees agree the workshop has been highly practical and comprehensive, providing a thorough and applicable analysis on the installation and design of PV systems. The importance and potential in the development of such sustainable energy sources is once again acknowledged.