

# The Chinese University of Hong Kong Department of Geography and Resource Management

will present a seminar

by

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## Solar Photovoltaic Applications in Buildings for Power Generation

### Abstract:

Solar photovoltaic applications have been developed rapidly in the world, especially in China. In Hong Kong, the Feed-in Tariff policy has just been implemented recently. It is expected that a lot of solar PV systems of building integrated solar photovoltaic applications will be installed soon. This presentation will report the past and current development of solar PV applications in the world and especially the new development in mainland China and Hong Kong. The policy, the potential and our research projects of solar PV applications in buildings in Hong Kong will be mainly discussed. It is expected that the cost of solar PV panels will be reduced to US\$0.15/Wp in 2020 so that solar PV power will be competitive to conventional fossil fuels and building-integrated solar PV applications will be widely used in the near future.

### About the Speaker:

Prof. Yang received his BEng in 1982 and MEng in 1985 in the Division of HVACR Engineering of Tianjin University, China. He obtained his PhD in 1993 in the Mechanical Engineering Department, University of Wales College of Cardiff, UK. He is now leading the Renewable Energy Research Group (RERG) in the Department of Building Services Engineering, The Hong Kong Polytechnic University. His research interests cover a number of R&D topics in renewable energy applications and energy saving in buildings in urban areas including solar photovoltaic integration in buildings, indirect evaporation cooling, ground-coupled heat pumps and solar cell related materials. He has over 400 academic papers and 6 professional books published. According to the ShanghaiRanking's Global Ranking of Academic Subjects 2016 through Elsevier, he was on the list of 150 world most-cited researchers with impactful research in the disciplines of Civil Engineering. He was also "Highly Cited Researcher" in 2017 and 2018 reported by Clarivate Analytics. He is serving the International Journal of Applied Energy as associate editor, International Journal of Low Carbon Technologies as section editor and other international journals as editorial board member. He has been elected as the founding president of the Solar Energy Society of Hong Kong in 2018.

**Language: English**

**Date: 14 March 2019 (Thursday)**

**Time: 4:30-6:00pm**

**Venue: Room 221**

**Chen Kou Bun Building**

**Chung Chi College**

~All are Welcome~

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