**Speech Title: Opportunities and Challenges in Information Communications Technology**

By Prof. Sheng-Uei Guan

**Abstract:** This talk introduces the overall trends of Information Communications Technology (ICT) and presents an overview for opportunities and challenges in ICT. Critical issues, research problems and developments of ICT in various areas are addressed, such as green computing, Internet computing, mobile computing, and intelligent computing. Opportunities and challenges in relevant areas are also covered, for example, Internet of Things, cloud computing, big data analytics. Critical development of ICT in various aspects are proposed thereafter. Finally, the challenges faced by the higher education sector are also discussed.

**Keywords**

Green computing, Internet computing, mobile computing, intelligent computing, Internet of Things, cloud