



### **Qing Zhang**

Associate Professor  
School of Electrical and Electronic Engineering  
Nanyang Technological University  
50 Nanyang Ave  
Singapore 639798  
Email: eqzhang@ntu.edu.sg  
Tel: +65-67905061

### **Biography**

Qing Zhang is an associate professor in the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore. His research interests include carbon based materials and electronic devices and carbon/silicon related thin films, etc. Currently, his attention focuses on carbon nanotube based devices and fundamentals, CVD diamond and diamond-like carbon films based devices, etc. He has published 170 peer-review scientific papers in pre-eminent journals and presented his research results in 150 conferences and workshops. He is a fellow of Singapore-MIT alliance. He is the chairman for Symposium of Nanodevices and Nanofabrication in International Conference on Materials for Advanced Technologies (ICMAT) 2005, ICMAT 2007, ICMAT2009 and ICMAT2011.

### **Specialised Expertise**

Micro/nanoelectronics, carbon based nanostructures, assembly and alignment of nanostructures, etc.

### **Current Projects**

Carbon nanotube based logic gates and circuits  
Carbon nanotube/graphene based sensors  
Carbon nanotube based RF devices  
Carbon nanotube based antenna  
Functionalization of carbon nanotubes for electronic applications  
Nanobatteries based on silicon nanowires, WO<sub>3</sub> nanowires, etc