

**Professor Sir Richard Henry Friend**  
**Tan Chin Tuan Centennial Professorship [Open]**

From 1 October 2006 to 30 September 2011

Cavendish Professor of Physics, University of Cambridge



**RESEARCH / STUDIES**

1. Organic solar cells: physics and device technology
2. Physics and device technology of organic heterostructures
  - Joint patent application filed by NUS on “Organic Solvent processable heterostructure”.
  - Inventors: Dr Peter Ho, Prof Richard Friend, Dr Chua Lay Lay, Mr Chia Perq Jon, Ms Png Rui-Qi
3. Have completed:
  - i) Joint research with Dr Sim Wee Sun (Dept of Chemistry) and Dr Peter Ho (Dept of Physics) the first experimental study to directly measure the extent of charge-carrier delocalization at the Fermi level in a conducting polymer
  - ii) Joint research with Prof Andrew Wee, Dr Peter Ho, Dr Chua Lay Lay (Physics) the first experimental study to prove that high electronic-quality solution-processable graphenes can be produced despite severe disorder.