Dr Desmond ANG  
Director of Engineering  
ON-Time Engineering Consultancy Services Co.

Chemistry in the electronics to the manufacturing of Printed Circuits Boards (PCBs)

Date: 6th April 2010 (Tuesday)  
Time: 3pm – 4pm  
Venue: CBC Conference Room, SPMS Building Level 2

About the speaker
Dr Ang has recently awarded his Ph.D. at Monash University, Australia Research Council (ARC), Centre for Green Chemistry with the topic focuses in the syntheses of Rare Earth Metals (REMs) and organic complexes within the scope of Green Chemistry principles.

Prior to the commencement of Ph.D., Dr Ang worked in the printed circuit board (PCBs) manufacturing and supply industry for 29 years. He began his career in 1975 with Printed Circuit Inc. (PCI, USA and Singapore operations). In 1990, T.C. joined the Shipley/LeaRonal (now Rohm and Haas Ltd.) senior management until 2003. As a Technical Manager, Branch manager and Director of Engineering (Asia region) overseeing manufacturing operations for specialty chemistry of the Singapore branch, supporting and marketing the firm’s technology to a multitude of sectors of the semiconductor and high-density-integrated PCBs (HDI-PCBs) industry.

At PCI, Dr Ang was largely involved in developing application and manufacturing processes for chip-on-board PCBs (COB-PCBs), specialising and focused on the development of thermal compression bondable substrates (silver bondable substrate for gold wire bonding), ultrasonic bondable substrates (Ni-Au bondable substrate for aluminium wire bonding), and thermal-sonic bondable substrates (Ni-Au bondable substrate for gold wire bonding). At Shipley/LeaRonal(now Rohm & Haas), Dr Ang contributed to the application development of electrochemical Pulsation-plating processes for PCBs Plated-Through-Holes (PTH), integrated-circuit (IC) lead-frames and packages by providing knowledge and expertise in manufacturing environments.