

MEMO

致 To : 各會員 All members 編號 NO.: M-12-036
 由 From : 香港綫路板協會 HKPCA 日期 Date: 2012 年 4 月 10 日

PCB 基礎培訓課程

綫路板工藝技術-總流程簡介及內層工藝

PCB Basic Training Course

PCB processing technology – Introduction and Inner layer

課題 Course Title:	PCB processing technology – Introduction and Inner layer 綫路板工藝技術-總流程簡介及內層工藝
主辦單位 Organizer:	香港綫路板協會，並由香港理工大學主理 HKPCA, and delivered by Hong Kong Polytechnic University
日期 Date:	2012 年 5 月 4 日 / May 4, 2012
時間 Time:	下午 14:00-17:00 p.m.
地點 Venue:	香港九龍觀塘成業街 7 號寧晉中心 22 樓 B 室 Unit B, 22/F., Legend Tower, 7 Shing Yip Street, Kwun Tong, Kowloon, Hong Kong
培訓目的 Purpose:	瞭解綫路板的總流程及內層工藝 Understanding of the general procedure and Inner layer process in PCB manufacturing
培訓對象 Target Audience:	PCB 工藝工程師和相關管理人員 PCB process engineers and related management
語言 Language:	廣東話教授，英文講義 / Cantonese with English Handouts
課程內容 Content:	<ol style="list-style-type: none"> 1. General PCB process flow 綫路板生產基本流程 2. Inner Layer PCB fabrication 綫路板之內層板生產 <ol style="list-style-type: none"> 2.1 Pre-clean 預清潔 2.2 Coating Technology 塗層技術 (圖形轉移技術) <ul style="list-style-type: none"> • Wet Coating Technology (e.g. Roller Coat / Screen Print / Dip Coat) 濕膜技術 (如壓膜/絲網印刷/ DIP 塗層) • Dry Coating Technology (Introduction only, detail will be given in other training module) 幹膜技術 (僅綫路板生產各流程介紹, 詳細內容將在其他培訓模塊分享) 2.3 Exposure 曝光 2.4 Developing / Etching / Striping 顯影/蝕刻/退膜 2.5 Automated Optical Inspection 自動光學檢測 2.6 Oxide and Other Coatings Technology for bonding 結合 (層壓板前) 用的氧化及其他塗層技術 2.7 Common Defects and Troubleshooting techniques 生產流程中常見產品缺陷 (壞品) 及對應解決措施
講師 Speaker:	譚少濂先生 Mr. James Tam
講師信息	譚少濂先生是香港理工大學綫路板科技開發中心的經理, 他已從事電子及綫路板

<p>Speaker Profile:</p>	<p>行業達 15 年。在加入綫路板科技開發中心以前, 譚先生曾擔當顧問工作, 為各基板及電子產品製造商提供顧問服務。他於綫路板科技開發中心工作的六年間, 該中心已成功完成了 8 個與綫路板相關的研究項目/顧問服務, 所涉及的金額高達一千多萬; 其中有關的項目成果都有利於本地生產工業。譚先生在香港城市大學獲得了材料科學與工程管理的碩士學位。</p> <p>Mr. James Tam is the manager of the PCB Technology Center in the Hong Kong Polytechnic University. He has been working in PCB and electronic industry for 15 years. Before joining the PCB Technology Center, he has worked as a consultant serving various substrate and electronic manufacturers. During his six years of service in PCB Technology Center, the center has successfully implemented eight PCB-related research / consultancy projects, with deliverables directly beneficial to local industries. Mr. Tam obtained his master degree in Material Science and Engineering Management from City University of Hong Kong.</p>
<p>截止日期 Deadline:</p>	<p>2012 年 4 月 27 日 / April 27, 2012</p>
<p>費用 Fee:</p>	<p>HKPCA 會員價: HKD450; 非會員價: HKD600 HKPCA Member: HKD450; Non-member: HKD600</p>
<p>付款方式 Payment</p>	<p>1) <u>劃線支票</u> (抬頭請填寫“香港綫路板協會有限公司”) 郵寄至本會; By Cheque (Please mail us the cross cheque payable to : “Hong Kong Printed Circuit Association Ltd” 或 OR 2) <u>銀行入數</u> (本會匯豐銀行帳號: 469-089601-838) 請將銀行收據傳真至 (852)21559099 為實。 Bank-in (Please bank-in the payment to “The Hongkong and Shanghai Banking Corporation Limited” A/C #: 469-089601-838 and fax the bank-in slip to (852)21559099 in order to complete the process.) *為確保訂座, 請於截止日期前付款, 逾期作取消論 In order to secure the reservation, please settle the payment by the deadline</p>
<p>查詢 Enquiry:</p>	<p>香港辦事處:- 黃小姐 Manda Wong, Tel: (852) 21555123, Email: mandawong@hkpca.org 深圳辦事處:- 趙小姐 Lucy Zhao; Tel: (86) 755 8624 0033; Email: lucyzhao@hkpca.org 袁小姐 Susan Yuan; Tel: (86) 755 8624 1673; Email: susanyuan@hkpca.org</p>

** 報名表回條 **

PCB 基礎培訓課程
綫路板工藝技術-總流程簡介及內層工藝
PCB Basic Training Course
PCB processing technology – Introduction and Inner layer

2012年5月4日 香港

請於 4 月 27 日前回覆
Please reply by **April 27**
傳真 Fax : 852-21559099
電郵 Email: mandawong@hkpca.org

- 本人/吾等希望參加上述培訓課程
I / We would like to join the above said Training Course
- 本人/本公司為 HKPCA 會員，會員編號：
I / We are HKPCA member, Member No: _____。

參加者詳情 PARTICIPANT DETAILS (必須填寫 have to be filled):

	姓名 Name		職位 Job Title	學歷 Education Qualification (請選擇一項 Please select one)		
	English	中文		預科或以下 Matriculation or below	大專或大學 College or University	碩士或博士 Master or Ph.D
1						
2						
3						
4						

費用 FEE 參加人數共 _____ 人 x 每人港幣 _____ 合共總額港幣 _____
No of Participants _____ Person x HKD _____ = Total in HKD _____

備註 Remark:

- 名額:25 位(以繳款先後順序為準，先繳先得，額滿即止)
Maximum attendee: 25 (on first come first served basis, order subject to payment settlement)
- 請於截止日期前繳費，否則作棄權論 (不接受現場繳費)
Please settle payment by the deadline (On-site payment is not accepted).
- 會員將獲優先處理 Members are served with priority.

公司資料 COMPANY DETAILS

姓名 Name: _____ 職位 Title: _____
公司名稱 Company: _____
公司地址 Address: _____
聯絡人 Contact Person: _____ 電話 Tel: _____
電郵 Email: _____ 傳真 Fax: _____

付款方式 PAYMENT METHOD

(為確保訂座，請於截止日期前付款，逾期作取消論):

(In order to secure the reservation, please settle the payment by the deadline)

- 劃線支票 (抬頭請填寫“香港綫路板協會有限公司”) 郵寄至本會; 或
By Cheque (Please mail us the cross cheque payable to : “Hong Kong Printed Circuit Association Ltd” OR
- 銀行入數 (本會匯豐銀行帳號: 469-089601-838) 請將銀行收據傳真至 852-21559099 為實。
Bank-in (Please bank-in the payment to “The Hongkong and Shanghai Banking Corporation Limited”
A/C #: 469-089601-838 and fax the bank slip to 852-21559099 in order to complete the process.)

收據只會在會員要求下發出。如需要收據，請在方格內填上‘X’號

Official Receipt will only be issued by request. If Official Receipt is needed, please make a cross “X” at