

Organizer:

Co-organizer:

# ADVANCED NON DESTRUCTIVE TESTING

## Training Course

**Non destructive testing (NDT)** is a wide group of analysis techniques used in science and industry to evaluate the properties of a material, component or system without causing damage. Due to the technology advancement, a high portion of composite materials will be used in the new generation aircrafts such as A380, B787 and A350WBX.

Because NDT does not permanently alter the article being inspected, it is a highly-valuable technique that can save both cost and time in component evaluation, troubleshooting, and failure analysis. Advance method such as Laser Shearography, Holography, Thermography, etc for inspecting composite materials will be discussed in details. General inspection techniques such as magnetic particle, penetrant, will be introduced as the background information for the NDT techniques.

The training course will be able to provide advanced and latest technology for NDT including principles, application areas and technology, etc.



### Day 1:

- 1) Introduction of NDT and General NDT methods
- 2) Advanced NDT: Laser shearography
- 3) Advanced NDT: Holography
- 4) Advanced NDT: Multi-Mode Acoustic Bond Testing
- 5) Advanced NDT: Thermography

### Day 2:

- 1) Discontinuities-Origin and Classification
- 2) Advanced NDT: Neutron Radiography
- 3) Advanced NDT: X-ray Tomography
- 4) Advanced NDT for Composite Materials containing Honeycomb and Sandwiches structures

#### Conductor: Mr. Mohd Ali Mohamad

It is our honour to have Mr. Mohd Ali Mohamad from Ruane-TATI (Terengganu Advanced Technical Institute). Ruane-TATI is the first accredited training centre in Asia approved by The British Institute of Non Destructive Testing (BINDT).

#### Language:

English 英語

#### Training Fee:

HK\$2,000.- per participant\* 每位 HK\$2,000.-\*

**HKD 2000**

**HKD 1000\***

Remarks: \* Participants meeting academic, working experience and general requirement of NTTS can be entitled for sponsorship on 50% max of the course fee.

註:

\*如獲批核，符合新科技培訓計劃之學歷，工作經驗及其他一般要求的參加者，可獲資助最高50%學費。

<b>Date &amp; Time:</b> 日期及時間:	Lessons will be held on 17 and 18 November 2011 from 9:30a.m. to 12:30p.m. and from 2:00p.m. to 5:30p.m.; 課堂於 2011 年 11 月 17 日至 18 日上午 9 時 30 分至下午 12 時 30 分及下午 2 時至 5 時 30 分進行
<b>Venue:</b> 地點:	Hong Kong Productivity Council: 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong 香港生產力促進局: 香港九龍達之路 78 號生產力大樓一樓
<b>Fee:</b> 費用:	每位 HK\$2,000.-* HK\$2,000.- per participant* 註: *NTTS 成功申請者, 實際每位最多可達 50% 資助 Max 50% off for successful applicant of NTTS
<b>Language:</b> 講授語言:	English 英語
<b>Quota:</b> 名額:	Limited to 30 participants 只限 30 名, 先到先得
<b>Application:</b> 報名辦法:	To enrol, please complete the attached enrolment form and fax it to HKPC at 2788 6169 for registration, then send the completed form together with the appropriate fee to HKPC at <u>Plastics Technology Centre, LG 2, HKPC Building, 78, Tat Chee Avenue, Yau Yat Chuen, Kowloon (Attn: Mr. Ivan Wong)</u> on or before 11 Nov 2011 [All cheques should be crossed and made payable to Hong Kong Productivity Council. Please also write down the course name at the back of the cheque] 請填妥報名表並傳真至 2788 6169 以便留位, 並於 2011 年 11 月 11 日或以前將報名表格及學費一併寄往『九龍塘達之路 78 號生產力大樓地庫 2 樓塑膠科技中心 (黃先生收)』。(所有支票請書明支付「香港生產力促進局」, 並於支票背面寫上課程名稱及請劃線)
<b>Enquiry:</b> 查詢:	Please contact Miss Cheung or Mr. Wong. Tel. 2788-5589 / 2788-6047 or fax 2788-6169 or Email: <a href="mailto:gigicheung@hkpc.org">gigicheung@hkpc.org</a> or <a href="mailto:ivanwong@hkpc.org">ivanwong@hkpc.org</a> . 請聯絡張小姐或黃先生。電話 2788-5589 / 2788-6047 或 傳真 2788-6169 或 電郵: <a href="mailto:gigicheung@hkpc.org">gigicheung@hkpc.org</a> or <a href="mailto:ivanwong@hkpc.org">ivanwong@hkpc.org</a>



1. Course Name: **Training Course on Advanced Non Destructive Testing**

課程名稱:

**先進無損檢測培訓班**

Date 日期:

**17.11.2011 – 18.11.2011**

Fee 費用:

**HK\$2,000 per participant\***

**每位參加者港幣 2,000 元正\***

註:

**\*NTTS 成功申請者, 實際每位最多可達 50% 資助 Max 50% off for successful applicant of NTTS**

2. Mr/Miss/Mrs \_\_\_\_\_ Chinese Name 中文姓名 \_\_\_\_\_

Position 職位 \_\_\_\_\_ I.D. No. 身份証號碼 \_\_\_\_\_

3. Organization 受僱公司名稱 (中文) \_\_\_\_\_  
(英文) \_\_\_\_\_

Business Address 辦公室地址 \_\_\_\_\_

Nature of Business & Products 企業性質及產品 \_\_\_\_\_

Tel 電話 \_\_\_\_\_ Fax 傳真 \_\_\_\_\_ Email 電郵 \_\_\_\_\_

4. Please also specify special arrangement required 請填寫所需之特別安排

Signature 簽名 \_\_\_\_\_ Date 日期 \_\_\_\_\_

**IMPORTANT 注意:**

**HKAIA**

- Course fee must accompany this form (or its photocopy), otherwise enrolment may be rejected.
- Participants are encouraged to pay by credit cards, EPS or cheques, if possible. Amount received will be imprinted. Cheques are subject to bank clearance.
- Enrolment fee is not refundable unless HKPC is notified in writing of your withdrawal at least 5 working days before the workshop commences. A handling charge of HK\$500 will also be levied.
- An applicant may, subject on approval from HKPC, nominate a substitute to attend the workshop on his/her behalf.
- The information provided will be used for the process of enrolment application, statistical purposes and other related matters. It may be provided to persons authorized to process the information for purpose relating to workshop enrolment.
- 報名表 (可用影印本) 必須連同費用繳交, 否則報名可能無效。
- 本局建議學員以信用卡、易辦事或支票繳交費用。費用收據以本局機印方為有效, 支票收妥作實。
- 除非本局於研習班開始前最少 5 個工作日收到參加者書面通知退學, 否則已繳費用概不退還。參加者申請退還費用需繳交手續費五百元正。
- 參加者可提名他人替其本人出席研習班, 惟事先須得本局同意。
- 申請人所提供的資料, 將用於審核研習班的申請、統計分析及有關的程序上。
- HKPC reserves the right to reject any application in any circumstances and for whatever reasons. Payment of fees should only be construed as conditional acceptance of application. 香港生產力促進局保留在任何情況下及以任何原因拒絕任何參加考察團申請的權利。申請者繳付費用後, 仍須符合參加考察團的所有條件, 其申請方可獲得接納。