

An Introduction to Digital Radiography : Technology & Techniques

Date : 5 April 2018 (Thursday) Time : 2.00pm - 5.00pm



Aims:

- **Make participants aware of technologies used in industrial digital radiography**
- **Help participants make informed choices on which technology and equipment is most suitable**
- **Explain the various parameters in a digital radiographic inspection system which influence the resulting image quality**



Organised by



in collaboration with



Speakers:



Nick D'Ademo

APAC representative for German-based X-ray equipment manufacturer, Duerr NDT. Duerr NDT's computed radiography scanners are in use all over the world in industrial inspection applications as well as in research and educational institutes.

Nick has several years experience in the design and development of NDT Inspection tools for the aerospace and automotive industries



Firdaus Idin

SEA Regional Sales Manager for Sentinel-Asia Ltd based in Malaysia. Sentinel-Asia is the Asian distribution wing of QSA Global Inc; manufacturer of the Delta 880 Gamma projector system, Industrial Radioisotopes for NDT and other NDT equipment.

Firdaus was previously involved with BINDT PCN, and Malaysian JPK NDT Certification and Training

Synopsis:

- ❖ Introduction and comparison of industrial digital radiography technologies : computed radiography (CR) and digital detector array (DDA)
- ❖ Applications of digital radiography
- ❖ Components of a typical industrial radiographic inspection system:
 - Radiation Source: X-ray, gamma radioisotope
 - Object Under Inspection
 - Radiation Detector : film, imaging plate, DDA
- ❖ Computed Radiography (CR): What is it? How does it work?
- ❖ Parameters of a radiographic inspection system : Comparison of digital images to demonstrate how these various parameters affect image quality

Location:

TWI Technology (S.E.Asia) Sdn Bhd
No. 1 Jalan Utarid U5/13, Section U5,
Mah Sing Integrated Industrial Park
Bandar Pinggiran Subang
40150 Shah Alam, Selangor

Registration:

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FREE
for WIM
members

Non-WIM members:
RM 53.00 per person
(including 6% GST)

Who should participate?

Engineers, Technicians, QA/QC personnel, Managers who are involved in NDT or workplace safety (HSE), and those considering moving from film radiography to digital inspection techniques, in particular computed radiography (CR)

Benefits:

All those involved in NDT will gain knowledge on the latest digital radiography technology & techniques