Advanced Ultrasonic Detection and Sizing Training Course

Advanced Detection and Sizing allows the student to learn ultrasonic examination techniques for the detection of flaws in materials susceptible to stress corrosion cracking and other forms of fatigue failure. These methods can be applied to piping, plate, and vessel components in petroleum, chemical, power, nuclear, and aerospace industries or any industry involved in ultrasonic examination of metallic product forms.

The “hands-on” practical course includes shear and longitudinal wave techniques for detection, characterization and sizing of intergranular or trans-granular stress corrosion cracks and fatigue type cracks. This course is designed for Level II and III and NDE management personnel.

Course Outline

- Review Ultrasonic Theory and Applications
- ASME Code Overview History, Causes and Remedies of SCC; Equipment and Calibration Considerations; Special Effects
- Stress Corrosion Cracking Detection and Evaluation Techniques
- Review Sizing Theory and Applications
- Course Completion Exam

Mark Davis, who has over 27 years experience in Welding, Welding Inspection and Non-Destructive Testing, instructs the course. He is an ASNT UT Level III and has past Level III Certifications in MT, PT, ET, RT (ASNT), LT and VE.

Advanced Detection & Sizing

US$975.00 per student (5 day course)

14th to 28th September (proposed), Brisbane, Australia (following APCNDT)

To register interest, please contact Panametrics Pty Ltd, Sydney, Australia PO Box 234, Gymea, NSW 2227, Australia

Tel. 61 (0)2 9541 8040 Fax. 61 (0)2 9526 2776 ndt@panametrics.com.au