



## **Advanced Phased Array for Data Analysis, Flaw Characterization and Dimensioning, and Crack Sizing for Weld Inspection**

*This Advanced Training Course provides participants with the Advanced Skills for Phased Array Examination of Welds, Scan Planning and Technique Analysis*

*The following outlines the material to be discussed:*

- *Phased Array Ultrasonic Data Analysis*
  - *Phased Array Flaw Characterization using A, B, C and S scans*
  - *Flaw Signal Characterization Techniques*
- *Advanced Beam Plotting using ES Beam Tool*
- *Multiple Group Data Analysis*
- *Phased Array Scan Planning Methods and Techniques*
- *Encoded Phased Array Scanning and Weld Examination Applications*
- *Phased Array Data Analysis for Flaw Dimensioning*
  - *Flaw Height Sizing*
  - *Flaw Length Sizing*
- *Advanced Crack Sizing for ID and OD connected Cracks*
- *Hands-on Phased Array Examination Laboratory Exercises*
  - *Weld Flaw Examination*
  - *Weld Flaw Characterization*
- *Performance Demonstration Qualification Examinations for Weld Inspection*

*This program is ideally suited for UT Level II and Level III Personnel.*

*Prerequisite is 80 Hours of Phased Array-Week 1 and 2*