

Radiographic Interpretation of High-Performance Alloys

Course Outline

1. **Introduction**
 1. Radiographic Interpretation Fundamentals
 2. High Performance Alloys-an overview

2. **The Superalloys**
 1. History and Development of the Superalloys
 2. Superalloy Applications
 3. Common Superalloys
 4. Superalloy Characteristics
 5. Superalloy Casting Processes
 6. Superalloy Post-cast Processes
 7. Superalloy Anomalies
 8. Radiographic Interpretation Practical Session

3. **Titanium**
 1. Titanium Metal History
 2. Titanium Characteristics, Applications, Advantages
 3. Titanium Basic Metallurgy
 4. The Investment Casting Process for Structural Titanium Components
 5. The Investment Casting Process for Multiple Components
 6. Radiographic Interpretation Practical Session