



FAILURE INVESTIGATION & MICROSCOPY



2 DAYS

Explains the principle mechanisms for failure of metal components and how to investigate failures, including equipment and techniques needed for detailed metallographic investigation.

Suitable for anyone involved in the regular or forensic analysis of failed metal components or in the routine examination of microstructures for research or quality control.

Metallography & Microscopy

Tuesday 19th June

- Sectioning
- Mounting
- Grinding & polishing
- Etching
- Optical microscopy
- Scanning Electron Microscopy (SEM)

Failure Analysis Techniques

Wednesday 20th June

- Basic metallurgy
- Failure modes
- Analytical techniques
- Case studies & prevention of failures

Participation is free of charge to qualifying SMEs in the Sheffield City Region.

To register please contact Jack Greenwood
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