



Through the Looking Glass - Decoding Failures

Introduction to Metallurgical Failure Analysis & Fractography Workshop

Diagnosing the precise cause of a failure is critical for developing cost-effective solutions that prevent repeat failures. Metallurgical failure analysis is a useful tool for supporting manufacturing, design, and quality efforts by providing details of component failures that would not otherwise be available.

This workshop will introduce the tools and concepts applied during lab-based failure analysis. In particular, the participants will get a hands-on introduction to fracture recognition using stereo microscopes. Fractured parts from case studies will be used to introduce 'fractography' using these microscopes and explain its role in failure analysis.

Instructor: Shane Turcott, P.Eng. M.A.Sc.
Principal Metallurgist, Steel Image Inc.

Shane Turcott graduated with both a B.Eng and M.A.Sc in Materials Engineering from McMaster University near Toronto, Canada. He has performed failure analysis for over a decade, including employment at a steel mill, turbine repair facility, research center and a general metallurgical laboratory. In 2009, he started Steel Image providing failure analysis supporting manufacturing, oil, and energy industries.

For more information, email Julie Beattie at julie.beattie@sae-detroit.org or call (248) 324-4445 ext. 1.

Wednesday
February 1, 2017

1:00 - 4:30 p.m.

SAE International

Networking Room
755 W. Big Beaver Rd.
Suite 1600, Troy

Tickets

\$50 SAE Member
\$25 SAE Student Member
\$65 Non-member

Register at
www.sae-detroit.org

Important Note: Space is limited to 20 participants. Registration will close Monday, January 30 at 4:00 p.m. (or when sold out). There will be no onsite ticket sales and no refunds after Wednesday, January 25.



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