

Resume of
Dustin A. Turnquist, M.S., P.E., CFEI

- Education:** M.S., Metallurgical & Materials Engineering, Colorado School of Mines, 2003
B.S., Engineering with Mechanical Specialty, Colorado School of Mines, 1997
- Experience:** Principal, Spectrum Forensics LLC, 2015–Present
Senior Consultant, Engineering Systems Inc., 2008–2015
Staff Consultant, Engineering Systems Inc., 2003–2008
Lead Engineer/Lab Mgr., Materials Research and Engineering, Inc., 2001–2003
Contract Drafts Person, Carver Engineering, 2000
Research Assistant, Colorado School of Mines, 1998–1999
Teaching Assistant, Colorado School of Mines, 1997–1998
- Specializations:** Metallurgy and Materials Science; Mechanical Engineering and Mechanical Testing; Materials Selection, Testing, and Processing; Failure Analysis and Fractography; Fracture Mechanics; Railcar, Aircraft, and Motor Vehicle Components; Motor Vehicle Accident Investigation and Reconstruction; Fire Investigation; Mechanical Systems Investigations; Product Failure Investigation/Analysis
- Registration:** Licensed Professional Engineer in Colorado, California and Idaho
NCEES Record No.43411
CFEI Certified Fire and Explosion Investigator
- Training:** International Symposium on Fire Investigation Science & Technology
• NAFI, Hyattsville, MD, 2014
Practical Fractography
• ASM International/IMR Test Labs, Lansing, NY, 2012
Practical Fracture Mechanics
• ASM International/IMR Test Labs, Lansing, NY, 2012
National Fire, Arson & Explosion Training Program NAFI, Boston, MA, 2010
• Failure Analysis and Artifact Preservation Through Metallography M&M 2008, Albuquerque, NM, 2008
Traffic Accident Reconstruction
• Northwestern University, Evanston, IL, 2007
Wear and Corrosion of Materials
• ASM International, Materials Park, OH, 2005
Basic Corrosion Course
• NACE International, Houston, TX, 2004
- Professional Honors and Awards:** Associate Editor of the Journal of Failure Analysis and Prevention
Past Chairman of the ASM International Failure Analysis Committee
Recipient of the Dr. Myer Ezrin Best Paper Award at ANTEC 2015 for:
“Failure Analysis of a Glass Filled Phenolic Resin Power Steering Pump Pulley,” M.E. Stevenson, M.D. Hayes, D.A. Turnquist, Submitted to ASM Journal of Failure Analysis and Prevention, October, 2014.
Presented at SPE’s ANTEC 2015, Orlando FL, March 25, 2015