

## **Burak Akyuz**

### **Trustee (2020-2023)**



**Burak Akyuz**  
**Manager, Metallurgy, Failure Analysis, Polymers**  
**Mechanical Department**  
**Applied Technical Services, Inc.**  
**Marietta, GA**

Burak Akyuz is manager of metallurgy, failure analysis and polymers mechanical testing at Applied Technical Services, Inc. (ATS), a leading testing, inspection and consulting company focused on materials testing, failure analysis, forensic inspections, environmental testing, non-destructive inspections, calibration and engineering consulting company headquartered in Marietta, Georgia. ATS has a 150,000 square foot lab facility at this location and several offices around the U.S. ATS serves a large variety of industrial clients with a large variety of testing/inspection capabilities. He has been with ATS for more than 16 years. He was a metallurgist and failure analyst before he took the management role. After graduating from Istanbul Technical University with a B.S. in metallurgical engineering, he then relocated to the USA and earned M.S. degree in information technology from Southern Polytechnic State University.

Akyuz currently manages a well experienced group of failure analysts and material scientists and focuses on materials failure analysis. He has extensive experience in laboratory management, material selection, failure analysis, metallography, fractography, mechanical testing of ferrous/non-ferrous alloys such as steel, titanium, aluminum, super alloys, and polymers, corrosion testing, analysis of metals, coatings and corrosion residues by SEM, Energy Dispersive X-Ray and X-Ray Diffraction techniques, and expert witness testimony.

Akyuz has been involved in several ASM chapter/committee activities through out the years, serving as Atlanta chapter chair, chapter council, web committee, and failure analysis committee. He was the first president of the Failure Analysis Society (FAS), an ASM affiliate. He currently is a board of directors' member for International Metallurgical Society (IMS) and also a member of technical advisory board of ASM's new IMAT conference. He is involved in the upcoming edition of ASM's Failure Analysis Handbook as an author and section editor.