

## **Craig Schroeder Biography**

Mr. Craig Schroeder, P.E. is a Senior Principal Materials Engineer and Manager of the Materials Laboratory at EFI Global in Cedarburg, WI. Mr. Schroeder has nearly 30 years of experience in the field of Materials Science and Engineering as a process engineer, forging engineer and failure analyst. He has worked in a foundry, a forge shop, a power transmission company, WI, a commercial laboratory, an engine manufacturing company, and an engineering consulting company. He has performed over a thousand failure investigations for a variety of organizations in the automotive, aerospace, medical and numerous other industries. Mr. Schroeder is currently a member of ASM's Handbook and Technical Books Committees and served as the vice chairman and chairman for each committee. Previously, he served on the Board of Directors for the Failure Analysis Society and as an associate editor for the Journal of Failure Analysis and Prevention. Additionally, Mr. Schroeder has presented numerous talks at MS&T and IMAT conferences. Mr. Schroeder has also published numerous articles through the Journal of Failure Analysis Prevention, Advanced Materials and Processes and numerous other media outlets. He is a licensed professional engineer in Wisconsin. Craig earned his Master's, and bachelor's Degrees from the University of Wisconsin-Milwaukee. Craig also took over as the Vice President for the FAS in October 2026.

## **Abstract**

This presentation will discuss two case studies. The first will review a case involving exfoliation corrosion on an aluminum planter box. The other will discuss a matter involving stress-corrosion cracking (SCC) on a brass nut used in a plumbing application. The presentation will review the circumstances leading to the failures and discuss the environmental aspects that contributed to the failures. The presentation will go on to further discuss SCC in brass plumbing components in general.