Failure Analysis in Engineering Applications

Dimension 3: Disciplinary Core Ideas - Engineering, Technology, and Applications of Science.

In Chapter 3, we assert that "any [science] education that focuses predominantly on the detailed products of scientific labor—the facts of science—without developing an understanding of how those facts were established or that ignores the many important applications of science in the world...

Failure analysis of dissimilar weld in heat exchanger...

The failure analysis of a dissimilar weld in a heat exchanger has been conducted. Within hours of being placed in service, the circumferential weld joining the carbon steel shell to the duplex stainless steel tubesheet experienced partial cracking as H₂S was being introduced into the exchanger. The cracking of the weld was determined to be associated with sulfide-stress corrosion cracking...

Systems Engineering Training Courses by TONEX. TONEX offers several systems engineering training courses designed to apply systems engineering processes and methods.