Guest Speaker (name & title):  Ted Amlin, Senior Engineer

Affiliation & Location:  Parker Hannifin Corporation; Columbus, OH

Subject:  Development of Weldless, High-Pressure Pipe Couplings for Sub-Sea Environments

The AWS Columbus Section is one of the Columbus Technical Societies which also includes local chapters of AIAA, ASM, ASME, NSBE, and SWE. Each organization takes turns hosting meetings throughout the year and this month ASM was the host. We gathered at Parker Hannifin Corporation's site to learn about the labor cost and slow installation time for welded-in couplings, the industry standard for many years, which was the incentive to develop a mechanically-installed coupling that doesn't require much training or skill. The typical application for these couplings are undersea pipe spools, blow-out preventers, control pods, and related systems. The presentation covered the design requirements, risk analysis, test plan, and results of that plan. Questions were interspersed with the presentation. There was then a laboratory tour that included a live pressure test that burst a pipe section at more than 14,000 psi.

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1. 

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Attendance:  a) Number 25 b) □ Good □ Poor □ Average