



MEETING DATE:

June 8, 2017

JUNES'S TOPIC & SPEAKER:

## One-of-a-Kind 'Internal Pipeline Nondestructive System'

by  
*Dan Kerr*

LOCATION: **Buffalo Wild Wings**, 200 Montgomery Street, San Ramon, CA 94583

### PRESENTATION TOPIC:

The IPNS was a first-of-its-kind robotic internal pipeline inspection system that had multiple NDT inspection capabilities including 10 cameras, EMAT and standard UT, a laser for measurements, and even a grinder and a vacuum! It could crawl up to ½ mile into buried pipelines and within a few minutes after the exam it could semi-automatically determine the integrity of a weld and additional conditions, such as external coating disbondment, dents, etc.

The innovative IPNS project was envisioned and managed by Dan in the mid-1990's. He will summarize the criteria, design, construction, and implementation of this unique system that his outstanding team was able to do in just 6 months!

### BIOGRAPHICAL SKETCH:

*Dan is a Lifetime Member of ASNT and recent past-Chair of the Golden Gate Section. He has a Bachelors Degree in Physics and over 40 years of experience in NDT R&D, applications, training, and project management. He held ASNT Level III certs in UT, MT, and PT for over 30 years. His career has spanned the defense, aerospace, petrochemical, and gas and electric industries, specializing in ultrasonics and integrating NDT with other technologies. In addition to ASNT, he has also been a member of AWS, ASTM, ASME, and IEEE, and participated on various committees for those organizations. He retired a few years ago, and now has more time to share his enthusiasm of NDT and science in many volunteer activities, including as "Mr. Kerr the Science Sir" for elementary school kids every week.*

### MEETING TIME:

- 5 – 6 pm Business Meeting - Open**  
(BoD & Committee Chairs)
- 5 – 6 pm Social Hour**
- 6 – 7 pm Dinner & General Meeting**
- 7 – 8 pm Speaker**

*GGASNT is committed to starting and ending our meetings in a timely manner.*

**COST: \$25/PERSON**

(NO COST FOR THOSE THAT DO NOT EAT)  
STUDENTS & FIRST-TIMERS EAT FREE!