



## November 8, 2019 Technical Meeting

### Welcome to STLE Houston Section's 2019-2020 Lunch Seminar Series!

Our next technical seminar of the season will be held on Friday, November 8, 2019 at Maggiano's Little Italy, starting off with networking at 11 AM. **Dr. Dan Danks** from Wear and Friction Resources, will be presenting "*Wear Testing: Objective, Methods, and Case Studies*". Please reserve the date!

#### Abstract:

Wear testing is used to evaluate friction and wear resistance properties of materials for specific applications. Smaller scale simulation tests attempt to replicate as many characteristics of the actual application and must reproduce the wear mechanism(s) that occur in that application. The important aspects of surface interaction, standardized and non-standardized wear tests, and case studies of wear testing for energy and manufacturing will be discussed.

#### Speaker:

Dan Danks served in the US Navy Submarine Forces as an operator and mechanic for the nuclear power plant. The metallurgical aspects of that service lead to several degrees in Metallurgical Engineering and Materials Science. He has established and run three small businesses related to welding and tribology. Wear and Friction Resources, Tomball Texas, was founded in 2010 specifically to serve the oil and gas industries. Wear and Friction's clientele list has grown to include O&G, aerospace, manufacturing, transportation, litigation and consumer projects.

**Location :** [Maggiano's Little Italy](#), 2019 Post Oak Boulevard, Houston, Texas 77056  
(Note that parking is available in the adjacent shopping center)

#### Schedule:

11:00AM - 11:30AM: Arrival / Social  
11:30AM - 12:00PM: Lunch  
12:00PM - 1:00PM: Business Meeting and Technical Presentation

#### Fees:

Students \$15, Members \$40, Non-Members \$45

Visa/MC accepted at the door for the lunch seminar – or **pre-pay** by credit card prior to the meeting using the Paypal link on our [Calendar webpage](#)

Click below for directions.

[Maggiano's Little Italy Website](#)

The STLE Houston Section's Monthly meeting provides a platform to network, advance your knowledge, learn current trends in tribology, lubrication and related industries, share good food, and much more. Do not forget, there will be door prizes for the lucky winners of the day. Come early and network with your lubricant colleagues.

**STLE Houston Section Calendar of Events (2019 - 2020)**

|                         |  |   |
|-------------------------|--|---|
| September 10-12, 2019   | Houston Section STLE booth at the Texas A&M Turbomachinery & Pump Symposia (TPS)   | George R. Brown Convention Center, Houston, TX<br><a href="https://tps.tamu.edu/">https://tps.tamu.edu/</a> |
| September 13, 2019      | Ashwin Bharadwaj of Dow Chemical Company, " <i>Synthetic Base Stocks in Metalworking Fluids</i> "  | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| October 11, 2019        | Anabel Rubio of Huntsman Performance Products, " <i>Aminology in Tribology</i> "   | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| October 24, 2019        | STLE Houston Section Golf Outing   | Augusta Pines, Spring, TX   |
| <b>November 8, 2019</b> | <b>Dr. Dan Danks of Contact Wear &amp; Friction Resources, "<i>Wear Testing: Objectives, Methods and Case Studies</i>"</b>                           | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| December 13, 2019       | Facility Tour - TBD  | TBD   |
| January 10, 2020        | Dr. Filippo Mangolini, UT " <i>Functional relationships between solid and liquid lubricants-nanoscale reactivity of ionic liquids upon sliding</i> " | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| February 14, 2020       | Michelle Lim and Sitangshu Chatterjee of Ducom Instruments (USA) Inc., " <i>Tribology Testing</i> "  | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| March 4, 2020           | 2020 Annual Houston STLE Lube School   | Sasol Performance Chemicals, Houston, TX  |
| April 10, 2020          | Michael Duncan, Daubert Chemical, STLE President, <i>Topic TBD</i>   | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| April 10, 2020          | Commercial Innovation Forum (jointly with April Meeting)   | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| May 3 – 7, 2020         | 75th Anniversary STLE Annual Meeting & Exhibition  | Hyatt Regency Chicago Chicago, IL   |
| May 8, 2020             | TBD  | <b>Maggiano's Little Italy</b><br>2019 Post Oak Blvd<br>Houston, TX 77056                                   |
| September TBD, 2020     | First Technical Meeting of the new season  | TBD   |