



Society of Tribologists and Lubrication Engineers

Houston Section

## March 11, 2022 Technical Meeting

### Welcome to STLE Houston Section's 2021-2022 Lunch Seminar Series!

Our sixth technical seminar of the season will be held “virtually” on Friday, March 11, 2022 at noon. Dr Hui Wang, Research and Development Manager at Calumet Performance Brands will be presenting “*Environmentally Acceptable Lubricants – Opportunities and Challenges*”. Please reserve the date!

**Abstract:** Our industry is ever-changing, more performance demands on lubricant, improve efficiency, now increasing emphasis on environmental friendly and sustainability. How do you meet high performance and minimize harmfulness to the environment?

The US Environmental Protection Agency (EPA) defines Environmentally Acceptable Lubricant (EAL) as lubricants that have been demonstrated to meet standards for biodegradability, toxicity and bioaccumulation potential that minimize their likely adverse consequences in the aquatic environment. EPA mandates the use EALs for marine application under the Vessel General Permit reissued in 2013.

EALs have been in the market for years, but its market share is still relatively small today. However, driven by regulation and public awareness of environmental sustainability, a stronger market growth of EALS is expected in future. We explore the opportunities and challenges of Environmentally Acceptable Lubricants (EAL) developments.

**Speaker:** Dr Hui Wang is the Research and Development Manager at Calumet Performance Brands. He joined the lubricant business in 2021 after previously working in the fertilizer industry for 8 years. Hui graduated from the University of Arizona with a Ph.D degree in organic chemistry and analytical chemistry.

**Location:** Virtual.

**STLE has moved to the ZOOM platform, please allow extra time to download the software before the meeting if you have not used this before.**

Please **pre-register** for this “*Multiscale Surface Roughness Modeling of Lubricated Contacts*” **presentation** on April 22, 2022 at noon CST at:

[https://zoom.us/meeting/register/tJMvf-ipqz4tHNU-JncRolhZi\\_rhSkwTpnag](https://zoom.us/meeting/register/tJMvf-ipqz4tHNU-JncRolhZi_rhSkwTpnag)

**Schedule:**

12:00PM - 1:00PM: Business Meeting and Technical Presentation

**Fees:**

None

The STLE Houston Section's Monthly meeting provides a platform to advance your knowledge, learn current trends in tribology, lubrication and related industries, and much more. We're hoping to be back to in-person meetings soon.

**STLE Houston Section Calendar of Events (2021 - 2022)**

September 10, 2021	Todd Cawley of LSI Chemical, " <i>Colorless and Permanently Suspended Nanocarbons in Lubricants</i> "	Virtual
October 8, 2021	Dr. Akash Jena of Lamar University, " <i>The Characterization of Solid-Liquid Systems Using Interfacial Modulus and Work of Adhesion</i> "	Virtual
November 12, 2021	Dr. Ken Hope, STLE President (and Global PAO Technical Services Manager of Chevron Phillips Chemical), " <i>The Current State of STLE</i> "	Virtual
December 17, 2021	Jeffrey Harmening - Manager, EOLCS/DEF/MOM of API, " <i>Importance of EO Audit Program</i> "	Virtual
January 14, 2022	No Meeting This Month	
February 11, 2022	Eirini Spilioti, Technical Account Manager at Gehring-Montgomery, Inc (GMI) will be presenting " <i>Metal Deactivators: Surface Active Additives</i> "	Virtual
Postponed	2022 Annual Houston STLE Lube School	Postponed
<b>March 11, 2022</b>	<b>Dr. Hui Wang, R&amp;D Manager of Calumet Performance Branch, "<i>Environmentally Acceptable Lubricants: Opportunities and Challenges</i>"</b>	<b>Virtual</b>
April 22, 2022	Robert L. Jackson, Professor of Mechanical Engineering at Auburn University, " <i>Multiscale Surface Roughness Modeling of Lubricated Contacts</i> "	Virtual
Postponed, TBD	Commercial Innovation Forum	Postponed, TBD
May 15 – 19, 2022	<a href="#">STLE Annual Meeting &amp; Exhibition</a>	Walt Disney World, Swan and Dolphin, Orlando, FL
September TBD, 2022	First Technical Meeting of the new season	<a href="#">Maggiano's</a> , 2019 Post Oak, Houston (hopefully!)

