STLE Educational Seminar 2020

“Lubrication in the Industry: Basics, Selection, Operation and Condition Monitoring”

Hosted by the Society of Tribologists and Lubrication Engineers
Canton Ohio Section (www.stlecanton.org)
Wednesday, March 11, 2020

Kent State Conference Center - North Canton
http://stark.kent.edu/conferencecenter/
STLE brings together managers, engineers, scientists, students, technicians and craftsmen to learn and share "best practices" associated with the design and operation of modern machinery and equipment. STLE provides networking opportunities for individuals in every sector of the lubrication and condition monitoring field. Our educational seminars provide exposure to state-of-the-art knowledge and technical information.

Our seminar targets all levels of maintenance personnel from the shop floor to the front office, including engineering, research and development, production floor, end users and suppliers.

Breakfast, lunch and refreshments provided.

The meeting fees for the seminar:

- STLE Members - $175.00
- Non-Members - $199.00
- Students - $99.00

The meeting fees for the seminar can be paid by
- Cash or Check
- Credit Card

If you’re interested in an affordable, local seminar, please fill out the attached registration or e-mail an officer: Mano Chockalingam (mm420@zips.uakron.edu) or Nikhil Londhe (nikhil.londhe@timken.com)

Last date of registration on Mar 6, 2020
Seminar Topics

Lubrication – From a mechanical engineer’s lens
Mr. Tom Triola – The Timken Company
Principal Application Engineer, Customer Engineering

Lubrication Basics
Kuldeep K. Mistry, PhD – The Timken Company
Product Development Specialist, R&D

Lubricant Chemistry
Mr. John Nussbaumer
Metalworking Specialist

Students’ poster and networking

Tribology Basics
Carl H. Hager, PhD – The Timken Company
Tribology Specialist, R&D

Lubricant Condition Monitoring
TestOil (Insight Services)
# Agenda
## STLE Educational Seminar 2020

**Date:** Mar 11, 2020 (Wednesday)

**Time:** 8:00a to 5:00p

**Location:** Hoover Seminar room
Conference Center
Kent State University at Stark
6000 Frank Avenue NW
North Canton, OH 44720

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>8:00a</td>
<td>Registration, Hot Breakfast, Networking</td>
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<tr>
<td>8:50a</td>
<td><strong>Introduction</strong></td>
<td>Mr. Tom Triola – STLE Canton Section Chairperson</td>
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<tr>
<td>9:00a</td>
<td><strong>Lubrication – From a mechanical engineer’s lens</strong></td>
<td>Mr. Tom Triola – The Timken Company&lt;br&gt;Principal Application Engineer, Customer Engineering</td>
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<td>10:00a</td>
<td><strong>Lubrication Basics</strong></td>
<td>Kuldeep K. Mistry, PhD – The Timken Company&lt;br&gt;Product Development Specialist, R&amp;D</td>
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<tr>
<td>11:00a</td>
<td>Networking Break</td>
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<tr>
<td>11:15a</td>
<td><strong>Lubricant Chemistry</strong></td>
<td>Mr. John Nussbaumer</td>
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<tr>
<td>12:15p</td>
<td><strong>Seminar Photoshoot</strong></td>
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<tr>
<td>12:30p</td>
<td><strong>Networking Lunch</strong></td>
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<tr>
<td>1:30p</td>
<td><strong>Students’ Posters</strong></td>
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<tr>
<td>2:00p</td>
<td><strong>Tribology Basics</strong></td>
<td>Carl H. Hager, PhD – The Timken Company&lt;br&gt;Tribology Specialist, R&amp;D</td>
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<td>3:00p</td>
<td>Networking/Refreshments Break</td>
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<tr>
<td>3:15p</td>
<td><strong>Lubricant Condition monitoring</strong></td>
<td>TestOil (Insight Services)</td>
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<td>4:15p</td>
<td><strong>Closure, Certificate Distribution</strong></td>
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<tr>
<td>4:45p</td>
<td><strong>Wrap-up</strong></td>
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*Each speaker slot includes 15 minutes of Q&A*
“Lubrication in the Industry: Basics, Selection, Operation and Condition Monitoring”
STLE Educational Seminar 2020
(Preliminary) Speakers Biography/Abstract

**Topic: Lubrication – From a mechanical engineer’s lens**
Mr. Tom Triola  
Principal Application Engineer  
The Timken Company

Tom Triola is a Principal Application Engineer with the Timken Company involved with bearing model development and application review for OEM customers. Tom holds a BSME for The University of Akron, 1979. Tom’s 19 years thus far with Timken have been involved with applying all bearing types to applications in several industries including agricultural equipment (current), process industries (steel mills) and aircraft landing wheel bearings. Prior to this Tom worked for 20 years for an aircraft wheel and brake manufacturer. Tom and his wife reside in the Canton, OH area. They have 5 grown children and 4 grandchildren with 2 more expected this summer.

**Topic: Lubrication Basics**
Dr. Kuldeep Kishore Mistry  
Product Development Specialist  
The Timken Company

Dr. Kuldeep Kishore Mistry received his bachelor’s degree in industrial engineering, India and a master’s of science degree and a doctorate, both in mechanical engineering, from the University of Leeds in the UK. Mistry is a Timken’s product development specialist (engineering lubrication) and been with Timken for 7 years. Mistry joined the STLE board of directors in May 2019.

**Topic: Tribology Basics**
Dr. Carl H. Hager  
Tribology Specialist, R&D  
The Timken Company

Education - Bachelors of Science in mechanical engineering, and Masters of Science in engineering science and mechanics from Penn State University. Ph.D. in engineering from Wright State University.  
Worked as a research engineer at Wright Patterson Air Force Base in the Materials and Manufacturing Directorate, in the Non-structural Materials Branch for 6 years prior to working at Timken for the past 12 years.

**Topic: Lubricant Chemistry**
Mr. John Nussbaumer  
Metalworking Specialist

Mr. John Nussbaumer earned his Bachelors of Arts in Chemistry in 2012. He has worked in the metalworking industry for the past 14 years mainly in product/additive development for Dover Chemical and Etna Products. He has been an member of STLE since 2009 and is a post chairperson for the Canton section.