



Mission Statement:

To advance the science of tribology and the practice of lubrication engineering in order to foster innovation, improve the performance of equipment and products, conserve resources, and protect the environment. STLE membership supports and expands your professional abilities through:

Education: Top-rated and affordable courses are offered at the Annual Meeting, by Local Sections and through certificate programs available in the field and online.

Certification: Earn recognition and valuable credentials through three STLE-sponsored programs: Certified Lubrication Specialist (CLS) Certified Metalworking Fluids Specialist (CMFS) and Oil Monitoring Analyst (OMA).

Professional Networking: Offered at two major international conferences, local section meetings or one of 23 technical committees and industry councils.

www.stle.org

Save the dates:

2007 Joint Tribology
Conference cosponsored with
ASME
October 22-24, 2007
Marriott San Diego Mission
Valley Hotel
San Diego, California

Annual Meeting

- [After April 27 at 3 pm central all Annual Meeting registrations will be done on site](#)
- [Last Minute Hotel Registration Information](#)
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[How to join or renew your STLE membership](#)

Notice the new STLE logo is starting to appear in the local sections, in banners, on stationery, on notices, etc. Our updated logo puts us in the current century

Register before Friday, April 27 for advance registration

To appear in the onsite and online listing of attendees register now but it is not too late to plan to attend the Annual Meeting. If you are not registered yet, you can register on site at the Annual Meeting starting on Saturday at 3 pm on the 5th floor of the Marriott. All registrations received in the office by April 27 at 3 pm central time will be processed in advance. It should be a great meeting, with a record number of technical sessions, the Commercial Marketing Forum sold out several months in advance, and a capacity crowd of exhibitors.

Last Minute Hotel Registration Information

STLE's rooms at both the Philadelphia Marriott and the Hilton Garden Inn are now sold out.

Overflow housing is being handled by **Loews Philadelphia Hotel**, which is across the street from the Marriott, site of most annual meeting events. Call Loews at 215-231-7333 for information on availability and rates and to make your reservations.

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Online Program Guide

The entire program schedule is now online so you can plan your visit to the Annual Meeting in advance. Don't miss out on anything by planning your time out before you leave home.

Registration lists online

Who do you know who will be in Philadelphia? Registration lists by company and individual are now online. This list includes only those registered before April 18. This list will be updated once more on April 27 and this is the final registration list that will be onsite.

Shuttle Service from Philadelphia International Airport

Shuttle transportation to and from the Philadelphia Marriott is \$10 per person each way. You can arrange ground transportation from the airport in advance. Call (215) 616-5370 or (800) 559-2040. Once you have retrieved your luggage, you need to go to the Ground Transportation Desk in the Baggage Claim Area and Dial 19 from the

2008 STLE Annual Meeting
May 18-22, 2008
Cleveland Convention Center
Cleveland Ohio

Career center

There are 8 jobs available and 101 candidates. To post a job go to www.stle.org.

Thank you to the generous support of our sponsors who make the success of STLE's Annual Meeting & Exhibition possible. This list is current as of 4/26.

Acheson Colloids
Afton
Arch Chemicals
Chemcentral
Chemtura
Chicago Section
Ciba Speciality
Cleveland Section
CRODA
Dover Chemical
Dow Corning Corp
Elco Corp
Engineered Custom
Lubricants
ExxonMobil
Functional Products
GASTOPS
Hamilton Section
HARRY MILLER CORP.
Houghton International
Infineum
King Industries
Kluber Lubrication
Lonza
LubriTec's OEM
Lubrizol
MPG INDUSTRIES, INC.
Munzing/Ultra Additives
Nceed Enterprises
Northern California Section
PCC CHEMAX, INC.
Petro-Canada
Philadelphia Section
Polartech Additives
Quaker Chemical
RohMax
Sea-Land Chem. Co
T.H. HILSON COMPANY
Ultrachem Inc

phone.

More on Biocides and Metalworking

The edited exchange below from the Metalworking Fluids Online Members Only Discussion Forum will be discussed further at the Biocides Panel Discussion at the Annual Meeting.

"There has been considerable discussion about harmonization, but I'm not sure where that stands, for example between the US EPA and EU BPD folks. It's not clear to me whether there will be reciprocity or not. As you know, Canada's pesticide toxicological data requirements have been substantially more stringent than EPA's since the mid-80's. I am not aware of any economic impact studies published that discuss the effect that the severely limited available range of industrial microbicides has had on Canadian industry.

We know that France has placed severe restrictions on the use of formaldehyde condensates and that Germany has banned halide-containing microbicides (except where no suitable substitute is available).

Interesting times, both for microbiocide manufacturers who are working the global market, and those of us who make microbiocide recommendations to global corporations.

Hopefully, the folks with the answers will be speaking at the Biocides Panel Discussion ([Session 4H: 2:00 p.m. to 5:00 p.m.](#) on Tuesday afternoon) at the STLE Annual Meeting in Philadelphia."

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How to participate on the Metalworking Fluids Online Members Only Discussion Forum:

All members are eligible to ask questions or post responses on the Online Metalworking Fluids Forum. It is a service available with your membership just by enrolling.

To Enroll:

1. Go to www.stle.org, and sign in to the members' only section. Go to the Online Discussion Forum. Register, and then confirm registration.
2. Change your preferences so messages come directly to you. Go to the tab called My Account. Select Membership Type as Normal from the drop down menu. Save changes.
3. Answer questions, read responses or ask your own questions.
4. Please contact STLE at 847-825-5536 or email to msscott@stle.org if you need assistance.



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2007 STLE Online Student Poster Contest Visual Representation of Student Research

[See the entries](#) already posted online for this contest or [invite a student](#) to enter.

Students are invited to submit a visual representation of their proposed contribution to the field of Tribology. The submission should consist of a single picture, chart, or graph that captures the substance and significant points of the underlying research. The winner will be decided by STLE members by their votes on the STLE website.

Competition Rules:

1. Image files are to be submitted electronically to www.stle.org before the deadline of August 24, 2007. Approval is required by staff before the submission is seen on the website.
2. All images should be accompanied by the following items:

"I enjoy meeting people who know what I am talking and a feeling of where I belong! "
Sincerely,
An attendee at the Annual Meeting:

Online Directory

The online directory of certified professionals was updated for this quarter on March 29.

Our 4 current education partners are:

Condition Monitoring International
Lubrizol K2M
Polaris Laboratories
Chevron Lubricants University

Whitelist our address

If you want to be sure to get all the information that STLE sends to members, it is suggested that you whitelist the STLE email addresses. Whitelisting is the opposite of blacklisting, and assures that emails sent to you are actually received.

Instructions on how to do this can be found [here](#).

If you have a different preferred email address, make sure you notify us.

View STLE's Annual Meeting Schedule at a glance (PDF format)

- Title of no more than 150 characters including spaces in readable words.
 - Student author name and school
 - Co-author name(s) and school(s). Up to 4 allowed.
 - Name and degrees or field of expertise of sponsoring faculty
- 3. Include a brief descriptive English-language paragraph no longer than 200 words describing how the research impacts the current or future field of tribology.
- 4. The entry must involve work from research or results from after January 2006.
- 5. Submissions will be evaluated based on the ability of the image to convey the substance of the student's contribution to tribology. Criteria for selection: 50% for clarity of single image to convey research, and 50% for description of work.
- 6. Judging will be performed online by STLE members.
- 7. Student attendance at a meeting is not required.
- 8. Entry in this contest does not prohibit an identical or similar entry in a poster session at the STLE Annual Meeting or the International Joint Tribology Conference.
- 9. A prize of \$250 (USD) will be awarded to the top entry.

Contact Beth Weinstein at bweinstein@stle.org or 847-825-5536 x 201 with questions.

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Contents of May 2007 Tribology & Lubrication Technology

20 Minutes with ... Dr. Andreas Polycarpou

This mechanical engineering professor from the University of Illinois is dedicated to his profession and enjoys teaching and mentoring the next generation of future tribologists. By Karl M. Phipps

List of exhibitors at STLE's 2007 Annual Meeting

List of sponsors at STLE's 2007 Annual Meeting

The success of STLE's Annual Meeting & Exhibition wouldn't be possible without the generous support of our sponsors.

COMMENTARY

Relationships: Who needs them? Building trust, confidence, affection and credibility with your customers takes more than short e-mails and text messages. By Dr. Robert M. Gresham

FEATURE ARTICLE

Oil Analysis Part I: Past, Present & Future

In the first of a two-part series, our panel of experts discusses the technologies of yesterday and how they evolved into today's best practices. By Mike Johnson

PEER-REVIEWED PAPER (Editor's Choice)

A More Complete Description of the Shear Rheology of High-Temperature, High Shear Journal Bearing Lubrication. By Scott Bair

Sounding Board - environmentally friendly vegetable oils vs. mineral oil-based counterparts.



President's Report -Tribology's practical side.

From the Editor - Introducing TLT's new editor.

Headquarters Report - The golden age of *Tribology Transactions*.

On Condition Monitoring - Coming to conclusions.

Worldwide - Convention vs. innovation

And in every issue:

Tech Beat
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How to join or renew your STLE membership

Join: https://www.stle.org/secure/membership_application/index.cfm

Renew: https://www.stle.org/secure/membership_renewal/index.cfm

The Society of Tribologists and Lubrication Engineers

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