



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 and technical committees and industry councils.

www.stle.org



Click here for details about the International Joint

June 2007 STLE Update

2007 Annual Meeting Wrap-up and Planning Ahead for the Next Meetings

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To [join](#) or [renew](#) your STLE membership online, go to these links.



2007 ANNUAL MEETING WRAP-UP and 2008 ANNUAL MEETING INTRODUCTION

How many?

The Annual Meeting in Philadelphia was a great success, with over 1400 registered attendees and many additional exhibitors who are not included in that number. Look for **PHOTOS** of yourself in the next issue of TLT or at http://www.stle.org/annual_meeting/gallery.cfm at any of the 10 education courses, or the almost 400 technical sessions, or visiting any of the over 70 exhibitors, or chatting with colleagues or posing with Ben Franklin or at any of the other events that were scheduled during May 6-10.

Annual Meeting in Cleveland

May 18-22, 2007

The 2008 Annual Meeting in Cleveland should be another excellent meeting. The theme of reducing energy lost due to friction (up to a third is lost due to friction) should bring a good turnout.

Submit papers now

It is time to submit 2008 Annual Meeting technical papers now.

Go to http://www.stle.org/offer_of_paper/index.cfm to submit papers. Instructions are on the site or contact Cindy at ctomala@stle.org or 630-323-7212.

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[Plan Ahead to Exhibit at the 2008 Annual Meeting in Cleveland](#) May 18-22, 2007

Exhibitors give high marks to Philadelphia trade show

100% of the exhibiting companies at STLE's trade show last month at the downtown

Tribology Conference

October 22-24, 2007
Marriott Mission Valley
San Diego, CA

2007 Annual Meeting

Sponsors list

Acheson Colloids
Afton
Arch Chemicals
Chemcentral
Chemtura
Ciba Speciality
CRODA
Dover Chemical
Dow Corning Corp
Elco Corp
Engineered Custom
Lubricants
ExxonMobil
ExxonMobil Lubricants &
Specialities
Functional Products
GasTops
Harry Miller Corporation
Houghton International
Infineum
King Industries
Kluber Lubrication North
America
Lonza
LubriTec's OEM
Lubrizol
MPG Industries, Inc.
Munzing/Ultra Additives
Nceed Enterprises
PCC Chemax, Inc.
Petro-Canada
Polartech Additives
Quaker Chemical
RohMax
Sea-Land Chem. Co
SKF
STLE Chicago Section
STLE Cleveland Section
STLE Connecticut Section
STLE Hamilton Section
STLE Houston Section
STLE Northern California
Section
STLE Philadelphia Section
STLE Portland Section
T.H. Hilson Company
Ultrachem Inc

2007 Annual Meeting Exhibitors list

Acme-Hardesty Co
Afton Chemical
Corporation/Ethyl Corp
AJM Additives Inc.
Albemarle Corporation

Philadelphia Marriott say they either "met or exceeded" their marketing expectations, according to a post-meeting survey. With more than 1,400 people attending STLE's annual meeting, companies displaying their products and services enjoyed non-stop traffic all three days of the show.

The high traffic translated into tangible business results for exhibitors. 84% of survey respondents say they made at least 16 new business contacts/leads at the show, and an astounding 62% say they made 20 or more new business contacts/leads.

"STLE has always been a great forum for us to reach and network with existing customers as well as new prospects," said one survey respondent. "It is also a great place for us to evaluate our competitors."

The 2008 STLE exhibition is May 19-21 at the Cleveland Convention Center. You can view the show floor and access an online space-application form at www.stle.org.

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Congratulations

The Section awards for 2007 went to the Philadelphia section for a large section and Oklahoma for a small section.

Award winners announced previously include:

The STLE International Award was presented to TEDRIC HARRIS

The P. M. Ku Award was presented to CHRISTOPHER DELLACORTE

The Vic Joll Award was presented to RICHARD SCHRAMA

Newly elevated to the grade of Fellow are:

YEAU-REN JENG
HONG LIANG
FREDERICK PASSMAN
AKIRA SASAKI
JOSE VIZINTIN
WILLIAM WAMBACH
QIAN WANG

Well done!

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Student Posters

Student poster presenters appreciated the feedback from the attendees who stopped to discuss their work. Thank you to the students, the judging committee and the attendees who offered their feedback.

The 1st place winners were Avid Asay (Pennsylvania State University), Dinesh Bansal (Georgia Institute of Technology) and Aaron Greco (Northwestern University).

The 2nd place winners were Andrey Ovcharenko (Technion- Israel Institute of Technology), Binoy Shah (Northwestern University) and Ke Wang (Texas A & M)

The 3rd place winners were Victor Brizmer (Technion- Israel Institute of Technology), Yusuf Kar (Texas A & M) and Luohan Peng (Texas A & M)

Online Student Contest

If you missed the posters, look at the STLE website to see the entries in the online student contest. http://www.stle.org/contest/index_contest.cfm. There is still time to enter before STLE online member judging begins in the fall.

American Petroleum Inst.
Ametek Test & Calibration
Instruments
Anton Paar USA
Arch Chemicals Inc.
Arizona Chemical
Arkema Inc / Atofina
Chemicals
BASF Corporation
Biosan Laboratories, Inc.
Cannon Instrument Company
Center for Tribology
Chemtura Corporation
(Crompton)
Chevron Global Lubricants
Chevron Phillips Chemical
Ciba Specialty Chemicals
Cognis Corporation
Compass Instruments / Falex
Corporation
Crystal Inc PMC
CSM Instruments
Dover Chemical Corporation
Dow Chemical Company
E-ION
EMD Chemicals Inc.
EPT - Cleanoil.com
ExxonMobil Chemical Co.
Fountainhead Cryogenic
Processing
Functional Products
Halocarbon Products
Corporation
Herguth Laboratories, Inc.
Huntsman Corporation
Infineum USA L.P.
Ivanhoe Industries
John Wiley & Sons
King Industries
Koehler Instrument Company
Kyowa Hakko
Lambert Technologies
Laurel Products
Lonza, Inc
Lubrizol Corporation
Maersk Fluid Technology
Microtap USA, Inc .
Momentive Performance
Materials
MRG PowerLabs
Munzing / Ultra Additives LLC
Pall Corporation
PCS Instruments
Perkin Elmer LAS
Phoenix Tribology Ltd.
PMC Specialties Group, Inc.
Polaris Laboratories, LLC.
PPC Chemax, Inc.
Predict
Rhein Chemie Corporation
Rhodia Inc.
Roh Max USA, Inc.
Rohm & Haas
Solvay Advanced Polymers,
LLC
Spectro, Inc.
Stavely Services North

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International Joint Tribology Conference Registration now open

The registration page is now active for attendees to IJTC on the STLE Web site at <https://www.stle.org/secure/ijtc/index.cfm>

The IJTC Committee expects the program to be available online in the summer.

If you have questions about the conference, please contact Cindy at ctomala@stle.org or 630-323-7212.

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Resources on our website include:

[Certification and Education](#)

Details on certification and links to our 4 current education partners, Condition Monitoring International, Lubrizol K2M, Polaris Laboratories and Chevron Lubricants University can be found.



The Career Center

The 19 posted jobs are both in the US and abroad. The listing companies know that the people with the specific experience being sought are most likely to be reading our website. [Look online now](#) at the 104 resumes posted for job seekers in North America and elsewhere in the world.

Purchase or read more about the books you need to do your job or to become certified.

The two newest books include the *Handbook of Lubrication* and *Metalworking Fluids*, both published in 2006. [Read more about the contents or purchase these and other books here.](#)

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Fact of the Month

Chapter 5 of the Handbook of Lubrication and Tribology covers Diesel, Dual-Fuel and Gas Engines. These engines can be very large and can employ the Diesel or Otto thermal cycle and the 2 or 4 stroke cycle.

The Otto cycle employs a spark to ignite the air-fuel mixture, as is common in gasoline automobile engines. To avoid early ignition of the fuel, a lower compression ratio is used, resulting in lower cylinder pressures before ignition. Rapid combustion leads to momentarily high cylinder pressures until the piston displacement results in an expanding cylinder volume.

This fact of the month is from 5.1.1 of the Handbook of Lubrication and Tribology, edited by George Totten and published in 2006 by STLE and Taylor and Francis.

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Meet STLE's new president and 2007-2008 board members GM engineer Dr. Edward P. Becker assumes the helm as 2007-2008 STLE president.

List of exhibitors at STLE's 2007 Annual Meeting

America
Stoney Brook Scientific, Ltd
Tannas Company
Taylor & Francis Group, LLC
- CRC Press
TransPerfect Translations
TribSys LLC
Uniqema Lubricants
Wincom, Inc.

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.

List of sponsors at STLE's 2007 Annual Meeting

List of long-term STLE Corporate Members

20 Minutes With ... Alice Flowers-Pendleton

Following a stroke, this Texas A&M grad student underwent two hip and one partial shoulder replacement. Now she's dedicating her research to developing better synthetic biofluids for artificial joints. By Thomas T. Astrene

LUBRICATION FUNDAMENTALS

Everything you wanted to know about wire ropes

The trick to lubricating these powerful workhorses is promoting unrestricted movement of the wires while minimizing fatigue, wear, rust and corrosion. By Dr. Robert M. Gresham

FEATURE ARTICLE

Oil analysis: Past, present & future—Part II

Our panel of PdM experts discusses the biggest challenges in condition monitoring today and technologies you'll likely see emerge in the next 20 years. By Mike Johnson.

PEER-REVIEWED PAPER (EDITOR'S CHOICE)

Experimental Identification of Bearing Dynamic Force Coefficients in a Flexible Rotor—Further Developments By Oscar De Santiago and Luis San Andrés

Sounding Board: How do you succeed in a tribology career? Members advise grad students.

President's Report - Thank you for a great year.

From the Editor - Closing this chapter...

Headquarters Report - What's going on in Philadelphia?

Selling Points - The ABCs of good sales

Shop Floor - Monitor your water source

Cutting Edge - Dissipative dislocations?

Plus regular features every month

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