



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.

Upcoming Meetings:
 <p>STLE CALGARY • MAY 7-11, 2006</p>
E-mail your comments to STLEUpdate

February 2006

WELCOME

STLE Update provides our 4,000 members worldwide with news about STLE and practical content useful to technical professionals. Here's what's happening this month.

Gearing up for 2006 Annual Meeting & Exhibition

By now all STLE members should have received a copy of the promotional brochure for the 2006 STLE Annual Meeting & Exhibition, May 7-11 in Calgary, Alberta, Canada. The 64-page brochure mailed with the January copy of TLT magazine and features a comprehensive overview of the entire meeting, including:

- More than 280 technical presentations
- Five education courses
- Two certificate education courses
- The 80-exhibitor trade show and sponsorship opportunities
- The Commercial Marketing Forum
- Special events, including the Welcoming Party/Dinner, the President's Luncheon, a special seminar for local section leaders, tours and a golf tournament.

Included in the brochure are forms to register for the meeting and hotel sleeping rooms. Some 1,200 professionals specializing in tribology and best practices in lubrication engineering are expected to attend the annual meeting, STLE's 61st.

The entire brochure can be viewed online at www.stle.org, where you also can register for the meeting. Registration fees remain the same for the 2006 Annual Meeting as they were for the 2005 event in Las Vegas: \$440 for STLE members and \$640 for non-members. However, a \$50 surcharge is added to registrations after April 14.

Education takes center stage in Calgary

Professional education always has been a focal point of STLE's convention, and the Annual Meeting Education Committee has added a new dimension for 2006. In addition to five traditional lubrication courses, STLE's 2006 Annual Meeting adds two courses where participants can earn certificates.

The five traditional education courses are an exceptional value, because registration for any of them includes registration for the full annual meeting. Courses range from one to 2-1/2 days and cost from \$625 to \$995 for STLE members.

Those five courses are:

- Advanced Lubrication
- Basic Lubrication
- Condition Monitoring
- Hydraulic Fluid Power Transmission Systems
- Synthetic Fluids.

Test Your Knowledge

Questions:

- 1. As metalworking fluid usage has increased since the 1980s, misting in facilities has decreased. (True or False).**

- 2. What are two examples of automatic adjusting packing seals?**

- 3. What are the most common types of greases that are usually blends of mineral oils that have been thickened by the addition of additives called?**

- 4. When reviewing oil analysis results, absolute numbers are more meaningful than trending values. (True or False).**

- 5. What differentiates a poison from a remedy?**

The first certificate course is Total Metalworking Fluid Management, a 2-1/2-day course co-created by STLE and the Society of Manufacturing Engineers (SME) and conducted for the first time in 2004. This course is targeted to those responsible for total metalworking fluid management in a manufacturing environment, as well as formulators, technical service representatives, shop floor people and coolant system managers who need a broad understanding of the fundamental concepts of metalworking fluids. Cost for STLE and SME members is \$1,395 and does not include annual meeting registration.

The American Bearing Manufacturers Association (ABMA) is partnering with STLE on the second of the two certificate courses, Bearings and Their Lubrication. This unique course provides not only expert presentations by ABMA experts from Timken, Torrington, SKF and Rockwell Automation but also practical information that can be immediately put to use. The one-day course has not been presented in three years, and thus offers a real opportunity for those needing the best and latest information on bearing technology. Price for STLE and SME members is \$625 and does not include annual meeting registration.

If you have questions about any of the education courses offered in Calgary, please contact STLE director of professional development Bob Gresham at rgresham@stle.org.

Commercial Marketing Forum sold out! Booth space still available

Demand for time slots for the 2006 Commercial Marketing Forum was so intense that all 30-minute spots sold early and three extra time slots were added.

The CMF has become an increasingly popular feature of STLE's Annual Meeting. Marketers can present commercial presentations of their products, services and technologies, something not allowed at the technical sessions. CMF presenters typically use the first 20 minutes to present their products and leave 10 minutes for audience Q&A.

Answers:

- 1. True.**

- 2. Lip seals and O-rings.**

- 3. Soaps.**

- 4. False.**

- 5. Dose.**

Booth space for the 80-exhibitor trade show is still available. The exhibit hall at the TELUS Convention Centre has been configured to hold four SuperSized booths (20x16 feet) in addition to traditional 10x8 booths. Exhibitors and their booth designers should note that dimensions of booths in Canada are reversed from the traditional U.S. configuration, where the booths normally would be 8x10 feet.

You can save \$100 on your booth space if you order before Jan. 31. If you are interested in purchasing exhibit space, contact Tracy Nicholas VanEe at 630-922-3459, tnicholas@stle.org.

Thanks to these Annual Meeting sponsors

Many of the popular events, activities and programs available at STLE's Annual Meeting are possible because of the generous support of industry sponsors. In fact, many of the "big ticket" items convention delegates will enjoy already have their sponsors. STLE would like to thank the following 2006 Annual Meeting sponsors:

- Lubrizol.....Registration Bags
- Ultra Additives.....Badge Lanyards
- Lonza Inc.....Wellness Break Massage Tables
- ExxonMobil Chemical.....Program Guide Booklet Bookmark
- Afton Inc.Hotel Room Keycards
- Uniqema.....Education Materials

Sponsorships in a range of prices are still available for the Welcoming Party/Dinner, President's Luncheon, Speakers Breakfasts and Refreshment Breaks. Sponsorship of any STLE Annual Meeting event includes:

- Listing in the Annual Meeting Program Guide booklet.
- Company name included on signage throughout the Annual Meeting.
- Company and sponsorship level listed in each of the 1,200 registration bags distributed to attendees.
- Company and sponsorship level listed in 7,000-circulation TLT magazine. Bonus circulation of 1,200 copies distributed in Calgary.

Visit our website at www.stle.org

If you are interested in sponsoring an event at the Calgary convention, contact Tracy Nicholas VanEe at 630-922-3459, tnicholas@stle.org.

IJTC abstract deadline extended to Feb. 15

You have until Feb. 15 to submit an abstract if you are interested in presenting a paper at the International Joint Tribology Conference, Oct. 23-25, 2006, at the Hyatt Regency San Antonio in San Antonio, Texas.

Hundreds of tribology professionals from more than 20 countries are expected to attend this unique technical conference for thought leaders. Co-sponsored by STLE and the American Society of Mechanical Engineers, the 2006 IJTC focuses on the latest research in the multidisciplinary field of tribology. Event planners expect to present some 150 technical papers.

Topics areas include:

- Biotribology
- Coatings
- Contact Mechanics
- Elastohydrodynamic Lubrication
- Engine Tribology
- Hydrodynamic Lubrication: Film Modeling
- Hydrodynamic Lubrication: Journal Bearings
- Lubricants, Additives and Surface reactions
- Machine Components: Magnetic Storage Tribology
- Seals
- Manufacturing Tribology: CMP
- Nanotribology: Friction, Adhesion and Wear
- Rolling Element Bearings
- Wear Mechanisms and Modeling.

To submit an abstract, log on to www.conferencetoolbox.org/ijtc06/.

The Society of Tribologists and Lubrication Engineers

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