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# STLE Toronto Section

September 2010 Newsletter



## September 2010 Meeting

Tuesday, September 14, 2010

The Old Mill

21 The Old Mill, Toronto, Ontario

(Click [HERE](#) for directions)

5:30 - 6:00 pm Hospitality

6:00 - 7:15 pm Dinner

7:15 Technical Presentation

**Topic:** Lubrication Fundamentals

**Presenter:** Peter Drechsler, The Timken Co., Canton, OH

**Summary:** Peter's presentation will help you understand the types of lubricants that are available and how to properly select a lubricant for a given application. This will cover the following; types of lubricants (oils, greases, solids), advantages/disadvantages and compatibility of lubricants, choosing the right lubricant and factors to consider, factors effecting lubricant life, and aids in lubricant selection.

**Bibliography:** Peter Drechsler received a B.S. degree in Physical Science from Central Connecticut State University. He has been with the Timken Co., formerly The Torrington Company, for 29 years and is currently a Senior Tribological Specialist. He has held other technical positions at AMF, Cuno division as well as Pratt and Whitney Aircraft, division of United Technologies prior to joining Torrington Peter has published several papers and is the holder of two U.S. patents. He was the recipient of the Distinguished Inventor Award by Ingersoll-Rand for development of Grinding Coolant Reclamation technologies, which is a held as a company trade secret. Peter is an active member in the STLE. He is a past Chairman of the Connecticut Section, Past Regional RVP and current President of STLE. He is also a member of the ACS, ASM and NACE. With NLGI he is Past Chairman of the Grease Shelf Life Working Group.

If you might attend please contact Ed Milanczak at [emilan@cogeco.ca](mailto:emilan@cogeco.ca)

Also, please pass this along to one or two others in your company or to colleagues.



## STLE Toronto Section - Chair Welcome Message

I wish to welcome all of you to the 52nd STLE Toronto Section year. I hope that all of you have had a good summer. The executive of the section has been working hard this summer to bring you another exciting and educational program for the coming year.

The mission statement of the STLE is "*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.*" It is the goal of the Toronto Section to foster that mission by bringing you and your colleagues the best possible forum to meet, learn and to exchange ideas. To that effort, we encourage all of you to attend at least one meeting or education seminar this year. We also encourage you to invite a friend to join you. By supporting your local section, you will help ensure that there will always be a local presence for the support of our industry.



This year we are planning our first plant tour in several years - a visit to Darlington NGS in Bowmanville. We will keep you posted as to the timing of this trip. As well, in the interest of seeking new segments of industry to communicate with and to provide education in the field of lubrication and tribology, we are looking to have our first joint meeting with members of the ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers). This is a very large society with members in the Toronto area and they are very excited to explore joint relations to the local level.



We also plan to bring you another highly educational and value priced education day in early 2011. For the quality, quantity and topics presented, I believe that there is no better value than this seminar. Please keep an eye on our newsletter for further information.

In closing, I would like to thank our generous sponsors, whose logos and information are found in the newsletter. Without their generous support, we would not be able to bring you the high quality, regular activities that we have done so consistently for the last fifty-two years. As well, these activities require the work of dedicated volunteers, and I would like to also thank all of the people who have worked this year and over all of the previous years to make this section the success that it is.



With all of the time, effort and support that has been spent on this section, we really do encourage all of you to support the section through your membership in the STLE and through your presence at our planned activities.

I look forward to seeing you this coming year.

Sincerely,



Wayne A. Mackwood, Toronto STLE Chair 2010 - 2011

### 2010 - 2011 STLE Toronto Section Board

Chair	Mr. Wayne A Mackwood	Chemtura Canada Co/Cie	416-724-3653 <a href="mailto:Wayne.mackwood@chemtura.com">Wayne.mackwood@chemtura.com</a>
Vice Chair	Mr. Paul Sampson	Lubrizol of Canada	905-845-9565 <a href="mailto:Paul.sampson@lubrizol.com">Paul.sampson@lubrizol.com</a>
Secretary	Ms. Kimberly A Krieber	Ontario Power Authority	416-969-6205 <a href="mailto:Kimberly.krieber@powerauthority.on.ca">Kimberly.krieber@powerauthority.on.ca</a>
Treasurer	Mr. Ed Milanczak		416-702-3107 <a href="mailto:emilan@cogeco.ca">emilan@cogeco.ca</a>
Membership	Mr. Behshad Sabah	H.L. Blachford Ltd.	905-823-3200 ext. 471 <a href="mailto:bsabah@blachford.ca">bsabah@blachford.ca</a>



### 2010 International Joint Tribology Conference

October 18 - 20, 2010

[View technical program for STLE/ASME International Joint Tribology Conference](#)

You can view the complete 15-track technical program for the International Joint Tribology Conference by logging on to [www.stle.org](http://www.stle.org)

Co-sponsored by STLE and ASME, the 2010 IJTC is Oct. 18-20 at the Hilton San Francisco Financial District in San Francisco, California (USA).

The fastest way to register for both the event and your hotel room is by also logging on to [www.stle.org](http://www.stle.org). You may [register electronically](#) or by downloading a [PDF of the reg form](#) that can be faxed to STLE.

**Early Bird registration deadline is September 19**

The registration fee for the meeting increases \$100 after that date.



The IJTC is a unique conference focusing on cutting-edge research in the multidisciplinary field of tribology. Researchers are coming to San Francisco from some 20 nations to deliver 200 technical talks organized around the following 15 tracks:

The tracks for the 2010 conference are as follows:

- Track 1 Nanotribology
- Track 2 Biotribology
- Track 3 Engineered Surfaces
- Track 4 Boundary Lubrication
- Track 5 Fluid Film Lubrication
- Track 6 Machine Components Tribology
- Track 7 Contact Mechanics
- Track 8 Magnetic Storage Tribology Track and Symposium
- Track 9 Manufacturing/Metalworking Tribology
- Track 10 Wind Energy Tribology
- Track 11 Leon Keer Symposium
- Track 12 Environmental Tribology Symposium (*co-sponsored by the Chinese Tribology Institution CTI*)\*
- Track 13 Student Posters
- Track 14 The Particle Tribology Symposium
- Track 15 Graduate Workshop on Green and Bio-Tribology

Dr. Greg Sawyer, Distinguished Teaching Scholar at the University of Florida, is presenting the IJTC keynote address on "Tribology in Biology." His comments will focus on how engineering has provided metal and plastic replacements for damaged biological systems, giving tribologists the chance to consider macroscopic interfaces in atomic and molecular terms.

Located in the historic center of the city, the Hilton San Francisco Financial District sits at the crossroads of the Financial District, Chinatown, North Beach and Nob Hill. The hotel is near such popular San Francisco attractions as Alcatraz, Coit Tower, Lombard Street and the Golden Gate Bridge. A short ride on San Francisco's historic cable cars takes you to Union Square, Embarcadero Center, Westfield Mall, Fisherman's Wharf, Ghirardelli Square and the Ferry Building.

If you have questions about the 2010 IJTC, contact Merle Hedland at 630-323-7212, [mhedland@stle.org](mailto:mhedland@stle.org)

We look forward to another great year with the Toronto Section of STLE. If you have any suggestions or would like to see anything specific in our monthly newsletters, please don't hesitate to contact Ken Brown, Eco Fluid Center Ltd, at 416-466-3144 or via email at [kenbrown@fluidcenter.com](mailto:kenbrown@fluidcenter.com).

Sincerely,

STLE - Toronto Section

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