



SAIT Newsletter

2011 – 2012 Executive Committee

At the first Executive Committee Meeting of the 2011-2012 Executive Committee on 7 June 2011, Portfolios were allocated as follows:

President: J C Fitton

Vice President: P G Swan

Treasurer: D P Beard

Membership: S Pharo

Public Relations: J J de Koker

Tertiary Liaison: J J de Koker

Secretary: G Fuller

Technical Programme, Materials:
PG Swan and S Mkwanazi

Technical Programme, Lubes: S Pharo & D Gamble

SAIT Tribology project 2010: PG Swan

Training: D P Beard and W de Chalain and T Surmon

Half-Day Seminar: 'Synthetic Lubricants And Energy Saving'

*Johannesburg, 7 June 2011
At The SAIT Offices*

The half-day seminar, presented by ExxonMobil Chemicals on 7 June 2011, titled 'Synthetic Lubricants and Energy Savings' was a great success with over fifty delegates attending.

This event was hosted and sponsored by Unichem Chemicals at the SAIT offices in Kelvin, Johannesburg.

Presentations covered an introduction to synthetics, what they are, the different types, their

benefits and applications, and their impact on savings.

STLE - CLS, OMA & CMFS Exams & "SAIT CLS Study Course"

The South African Institute of Tribology will host the Certified Lubrication Specialist (CLS), the Oil Monitoring Analyst (OMA) and the Certified Metalworking Fluids Specialist (CMFS) examinations of the Society for Tribologists & Lubrication Engineers (STLE) on **Friday 18 November 2011**. The venue is Science Park and the time from 09:00 to 12:00. **The exam is open to SAIT members in good standing.**

The SAIT will present the two-day **SAIT CLS Study Course** (16 and 17 November) immediately before the exam to help prepare for it. Attendance is strongly advised, especially bearing in mind the imperial measurements that are used and the focus on steel industry lubrication. The course will be facilitated by a current CLS holder, and study modules can be made available before the course dates, if needed. The STLE exam standard is high and the pass mark is 70%. Global pass rates are around 50%. **Registration for the SAIT CLS Study Course closes on 30 September 2011.**

For further information please contact Gill Fuller at phone +27 11 802-5145, or e-mail her at secretary@sait.org.za.



The **SAIMechE** offers training courses in many fields of Mechanical Engineering. Their website is www.saimeche.org.za.

SAIT Calendar, 2011

Date	Event	Venue
26, 27, 28 July and 2 & 3 August 2011	Lubrication Engineering 73	Science Park, 1 Northway, Kelvin, Sandton
4 August 2011	Basics of Lubricating Oils	Science Park, 1 Northway, Kelvin, Sandton
15 – 19 August 2011	Lubrication Engineering 74	Breakwater Lodge, V&A Waterfront, Cape Town
7 September 2011	Introduction to Lubrication Engineering	Science Park, 1 Northway, Kelvin, Sandton
8 September 2011	Introduction to Wear and Materials	Science Park, 1 Northway, Kelvin, Sandton
16 & 17 November 2011	SAIT CLS Study Course	Science Park, 1 Northway, Kelvin, Sandton
18 November 2011	STLE - CLS, OMA & CMFS EXAMS	Science Park, 1 Northway, Kelvin, Sandton

Members' Case Study**Competition**

Why have we had no entries yet? This competition has been open for five months, but we've had no response!

We challenge all members to send in their case studies for publication in the SAIT Newsletter. Entries should be no longer than one page.

Those which are published will receive R400-00 in acknowledgement.

After 12 months a winning case study will be selected and the author will receive a voucher to attend the next SAIT Seminar free of charge.

Entries can be sent to secretary@sait.org.za. Submissions should be approximately 400 words or a page in length.

**Tribology-Related Study Centres
At South African Universities**

The Tshwane University of Technology, with the support of the National Research Foundation (NRF), will be commissioning a Tribocorrosion Research Laboratory by July 2011. The laboratory will be located at Building 1, Pretoria West Campus. It will be well equipped with varying state-of-the-art facilities to fulfil a wide range of collaborative research and industrial needs.

The Laboratory's Mission is 'to be a multidisciplinary research laboratory for fundamental and applied interdisciplinary science and engineering research on tribological techniques and electrochemical corrosion.

To work in close collaboration with other universities, institutes, industries and foreign research institutes for interdisciplinary and enhanced research.

Facilities will include a CETR Tribocorrosion testing system; AUTOLAB and Princeton & Applied Research Potentiostats; a wide range of Mechanical testing facilities; state-of-the-art microscopy facilities and excellent sample preparation facilities.

Activities will include fundamental and applied research; research support to industries and training services for technicians. This research will focus on Wear and tribocorrosion studies on high temperature self-lubricating nanocoatings and nanocomposites, and laser alloyed and thermally sprayed nanocomposite coatings.

For further information, contact the Department of Metallurgical Engineering, Tshwane University of Technology, tel. 012 382 3598, or e-mail olubambipa@tut.ac.za.

Tribology in Action



The movement of the skate's blade across the ice's surface causes the ice to melt. This water-lubrication causes low friction while skating, allowing the skater to glide across the ice with very little effort.

International Tribology-Related Events, 2011

Education for Sustainability - International Greening Education Event 2011, Karlsruhe – Germany. 19 to 21 October 2011. for further information, go to event details at <http://www.etechgermany.com/IGEE2011.pdf>

Eco Expo Asia, the international trade fair on environmental protection will be taking place in Hong Kong from 26 – 29 October 2011. Contact Ms. Lisa Kuntze on Tel: +27 (0)11 486 2775 or send an e-mail to lkuntze@germanchamber.co.za.

International Tribology Conference, Hiroshima 2011: 31 October – 3 November 2011. E-mail nagamura@mec.hiroshima-u.ac.jp for further information.

VII International Conference, Lubricants Russia 2011: November 9 – 10 2011, Renaissance Moscow Hotel. To register contact Elena Konstantinova at Konstantinova.Elena@rpi-inc.com or go to <http://www.rpi-conferences.com>.

TAE 18th International Colloquium Tribology, Industrial and Automotive Lubrication: 10 – 12 January, 2012 in Stuttgart/Ostfildern, Germany. E-mail info@tae.de for further information; visit website www.tae.de/tribology/; phone +49 71-34008-0 or fax +49 711 34008-65