



SAIT NEWSLETTER

The SAIT President's Report

John Fitton, SAIT President



2010 is going to be an exciting, busy and challenging year, with the world cup, the SAIT Tribology 2010 Project and the economic down-turn affecting us all. The cost of energy (electricity and hydrocarbons) is of concern, as are the associated CO₂ emissions from these sectors.

As the need to reduce energy usage intensifies, so does the need for the widespread knowledge of Tribology, both from application and fundamental perspectives. All of us involved in the industry can play a role in this challenge by sharing our individual knowledge and expertise in our own sphere of influence. This is becoming increasingly important as the technology of the machinery that we use on a daily basis changes rapidly. The lubricants and wear materials used in reducing and controlling friction and wear, extending the useful life of the machinery, are changing equally rapidly.

This need for knowledge has manifested in excellent attendance at the SAIT training courses and in the SAIT Tribology 2010 Project that is investigating the impact that tribology is having on South African Industry. This undertaking has recently been expanded to become an international project, with a number of countries conducting their own studies. This will allow for benchmarking to be conducted.

The SAIT is updating the current courses and are introducing new ones.

There is clearly great work being conducted within the industry and I urge everyone to

submit details for the prestigious tribology awards that will be presented at the upcoming annual dinner on 30 April.

This promises to be an exciting year with, hopefully, enough time to watch a couple of soccer games in-between.

John Fitton

New One-day Course, Basics of Lubricating Oils

Wade de Chalain, Presenter of Basics of Lubricating Oils



This is the first time this course has been presented. It was well received by the delegates. Wade de Chalain presented this course most professionally. It is a good addition to the SAIT's training portfolio.



Gill, Lawrence, Joro, Lungi, Wade, Diane, Monde & Solly. Photo taken during the One-day Introduction to Basic Lubricating Oils Course in February 2010.

One-Day Course, Introduction to Lubrication Engineering

Once again, this course was most successful, with presenter Patrick Swan giving his usual best.



Solly, Lungi, Patrick, Lawrence, Joro, Jan, Gill, Johnstone, Genevieve & Aubrey. This photo taken during the One-day Introduction to Lubrication Engineering Course held at Science Park in February 2010.

One-Day Course: Introduction to Wear and Materials

Tim Carter, an authority on materials and failures, again presented this course to a receptive group of delegates.



Solly, Joro, Genevieve, Jan, Tim, Gill, George, Enoch and Lawrence. This photo taken during the One-day Introduction to Wear and Materials held at Science Park in February 2010.

Five-Day Course, Lubrication Engineering

The first five-day Lubrication Engineering Course of 2010 was held at Science Park from 22 to 26 February. Delegates from South Africa, Zimbabwe and Zambia attended. Lecturers were: Anton Allner; Wade de Chalain; Pierre Hendrick; Andrew Kirk; Gregory Tarr; and Warren Walker.



Delegates at the Five-Day Lubrication Engineering Course were from BHP Billiton Energy Coal, Delmas Coal (Pty) Ltd, Eastplats Mines, Eskom Holdings Ltd., Exxaro Grootegeluk Coal, Khumani Iron Ore Mine, Minopex, Mondi, Protea Specialty Chemicals, Spectraoil, Technilube and Tribology Services.

SAIT Annual General Meeting

The SAIT's Annual General Meeting will be held on Tuesday 4 May, 2010, at 18:00, at Science Park, 1 Northway, Kelvin.

The meeting will be followed by a Technical Presentation.

SAIT Annual Dinner and Awards Evening

The SAIT Annual Dinner and Awards Evening will be held on Friday evening, 30 April, 2010 at The Wanderers Club.

If you enter for the **SAIT Best Technical Achievement Award** you stand the chance of winning a floating trophy and a handsome cheque. There are many innovative projects being undertaken in South African industry and this is an opportunity for you to

show the high standards and innovation of South African research, and to share this knowledge with fellow tribologists.

The **SAIT Student Award** is for the best poster project among Graduate and Undergraduate students in South African Universities and Technikons.

The **Louw Alberts Award** is for an exceptional contribution to tribology.

The **Best Technical Achievement** for an outstanding achievement in the field of tribology.

Nominations for these awards are now called for. Please contact the Secretary for further information.

These Awards will be made at the SAIT Annual Dinner on Friday evening, 30 April, 2010.

Seminars

A one-day seminar is planned for 2010, on "Industrial Lubes".

This will take place at Science Park, Kelvin, Sandton, on Tuesday 6 May 2010.

Anybody interested in presenting a module at this seminar should please contact us at 011 802-5145 or secretary@sait.org.za.

Tribology 2011

Please diarise the date for our next International Tribology Conference, 'Tribology 2011': The proposed dates will be 5, 6 & 7 April 2011. Further information will follow as it becomes available.

We will be requesting papers, sponsorships and delegates – please start working on these aspects as soon as possible.

Please contact us with any suggestions at 011 802-5145 or secretary@sait.org.za.

Past Conference & Seminar Proceedings

We have a selection of proceedings from past conferences and seminars at a nominal cost. Please let us know if you are interested.

CLS, OMA, CMFS Exams of the STLE

The SAIT hosts the STLE Certified Lubrication Specialist (CLS), Oil

Monitoring Analyst (OMA) and the Certified Metalworking Fluids Specialist (CMFS) exams in South Africa.

The SAIT runs a Study Course in preparation for the CLS exam. 2010 Dates are 17 and 18 March, with the exam taking place on 19 March. This year's course is fully booked, but in exceptional cases one more space may be found

If you are interested and feel confident in writing this exam, please contact Gill Fuller at 011 802-5145/6/7/8.

SAIT Membership Fees 2010/2011

Corporate: R5,130-00 pa including 14% VAT

Private: R 513-00 pa including 14% VAT

Student: R 70-00 pa including 14% VAT

Benefits include the SA Mechanical Engineer, discounts on courses, conferences and seminars, preferential bookings at all SAIT events; also member discounts for selected STLE events and products (such as the STLE exams hosted by SAIT in South Africa), their journal Tribology & Lubrication Technology (either by post or electronic), and other special offers from time to time. Please note that benefits of membership are only available to fully paid-up members.

SAIT Constitution

Copies of the SAIT Constitution are available on request from the SAIT office.

Contact

Gill Fuller and Isabel Bradley at tel: 011 802-5145/6/7/8, or fax: 011 804-4972.

email: secretary@sait.org.za
admin@sait.org.za

website: www.sait.org.za

SAIT Training for 2010:

Each year, the SAIT runs a number of courses for Tribologists:

Johannesburg – Science Park, 1 Northway, Kelvin, Sandton:

Study Course, **17 & 18 March**

CLS & OMA Exams, **19 March.**

Seminar, Industrial Lubes, **6 May.**

Durban – Sica's Guest House, Mayville:

17 – 21 May.

Five-day course in Lubrication Engineering

Johannesburg – Science Park, 1 Northway, Kelvin, Sandton:

3,4,5 and 10 & 11 August.

Five-day course in Lubrication Engineering

Cape Town – Breakwater Lodge, V&A Waterfront:

16 – 20 August.

1 Five-day course in Lubrication Engineering

Johannesburg – Science Park, 1 Northway, Kelvin, Sandton. 14, 15 & 16 September - One-day courses: Basics of Lubricating Oils, Introduction to Lubrication Engineering, and Introduction to Wear and Materials.

ECSA CPD Credits

All SAIT courses are awarded CPD credits. Five for five-day course and one for the one-day courses and seminars.

International Tribology-related Events for 2010 and 2011

International Symposium on Fretting Fatigue 6:

19 – 21 April, 2010

Southwest Jiaotong University, Chengdu, China. For further information, go to www.ISFF6.com

6⁵th Annual STLE Meeting & Exhibition:

16 – 20 May, 2010

Las Vegas, Nevada. Contact mhedland@stle.org for further information or go to www.stle.org.

Tribology for Sustainability: Economic, Environmental and Quality of Life:

37th Leeds-Lyon Symposium on Tribology
7 – 10 September 2010

e-mail: leeds-lyon@mech-eng.leeds.ac.uk

VI International Symposium on Tribo-Fatigue

25 October – 1 November 2010

Minsk, Belarus.

See www.bsu.by, www.tribo-fatigue.com for further information.

First International Brazilian Conference on Tribology, TriboBr-2010, Incorporating the 7th Brazilian Seminar on Wear Resistant Materials

9 – 11 November 2010

E-mail Margareth Nunes at

margareth.nunes@abmbrasil.com.br or

Renata Puga at renata@abmbrasil.com.br for further information.

Tribology Congress ASIATRIB, Perth, Australia

5 – 9 December 2010.

See www.tribology.mech.uwa.edu.au/asiatrib for further details.

Ecotrib 2011, Vienna, Austria:

7 – 9 June 2011.

Go to www.oetg.at/ecotrib2011 for more information.

International Tribology Conference, Hiroshima 2011:

31 October – 3 November 2011

e-mail nagamura@mec.hiroshima-u.ac.jp for further information.