



SAIT News, May 2014

SAIT Programme 2014

2 – 6 June 2014: 5-day Lubrication Engineering Course (90) - Science Park, 1 Northway off Marlboro Drive, Kelvin, Sandton, Johannesburg. This course is registered with ECSA, SAIMM No. 00662, and is awarded five CPD credits. **Please note, this course is fully booked.**

25 – 29 August 2014: 5-day Lubrication Engineering Course (91) - Breakwater Lodge, V&A Waterfront, Cape Town. This course is registered with ECSA, SAIMM No. 00663, and is awarded five CPD credits.

15 – 19 September 2014: 5-day Lubrication Engineering Course (92) - Science Park, 1 Northway off Marlboro Drive, Kelvin, Sandton, Johannesburg. This course is registered with ECSA, SAIMM No. 00664, and is awarded five CPD credits.

14 October 2014: Afternoon Seminar, 'Hydraulics' - call for papers:

The SAIT will present an afternoon seminar on "Hydraulics", at Science Park, Northway, Kelvin on 14 October 2014. We are inviting interested persons to submit papers for this event. The seminar is intended to bring together all parties interested in this important and topical subject.

With the continuing focus on cost cutting, longer asset lives and better efficiencies, many companies should be seeking high performing, high efficiency anti wear hydraulic circulating fluids.

Guidelines for Speakers:

Authors are invited to submit papers or case study material on topics that are

informative and current. The following subjects are a guideline only for the day's programme. Any other suggestions, ideas or topics that could be associated with the subject, will be welcome:



Archimedes, inventor of the first hydraulic pump

- Improved hydraulic pump operation
- OEM specifications and test requirements.
- System & component design
- Base oils & additives.
- Effective sampling techniques for oil analysis programs,
- Filtration and maintenance.
- Failure analysis.
- Ashless fluids vs Zinc based.
- Used oil recovery and recycle.

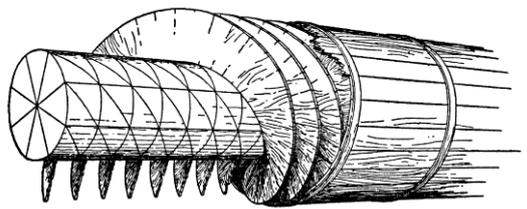
Please send a brief synopsis, and short title, of your proposed presentation or case study for approval, maximum 500 words, to the SAIT, email secretary@sait.org.za, admin@sait.org.za



or fax to 086 719-2261 as soon as possible. We would like to circulate the programme early to a large target market to ensure a good attendance. Please include title, author and affiliation, and your contact details. The full paper, presentation or case study is required by **3rd September 2014**.

The seminar is not a selling platform. Product promotional material or sales orientated videos should not be included in the presentations unless modified to provide only technical aspects.

For any enquiries regarding the technical nature of the seminar please contact Shawn Pharo on mobile +27 82 856-2100, and for general enquiries phone Gill or Isabel at 011 804-3710.



Archimedes Screw - the first hydraulic pump

19 & 20 November 2014: SAIT CLS Study Course – Science Park, 1 Northway, off Marlboro Drive, Kelvin, Sandton, Johannesburg. For those wishing to write the STLE CLS exam, attendance of this course 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%.

21 November 2014: STLE - CLS, OMA & CMFS exams – Science Park, 1 Northway off Marlboro Drive, Kelvin, Sandton, Johannesburg.

Course Attendance:

We ask that, should a delegate not be able to attend a course for which they have registered, they let us know as soon as possible, so that we can accommodate people from the waiting list. Delegates can phone either Gill or Isabel at 011 804-3710, or e-mail Gill at secretary@sait.org.za or Isabel at admin@sait.org.za. We will be happy to carry your registration forward to a future course at no further cost.

For further details of all the above, please contact Gill or Isabel at 011 804-3710 or e-mail either secretary@sait.org.za or admin@sait.org.za

SAIT ANNUAL AWARDS DINNER 2014, 9 May 2014



This event was held in the Gala Room at the Wanderers Club, an elegant and spacious setting.

The Sait President, David Beard, opened the proceedings by welcoming Minister Derek Hanekom, Mrs Hanekom, members of the Sait and their guests.

SAIT Committee Member Johan de Koker gave thanks for the meal, and Prof. Philip de Vaal, Head of the Department of Chemical Engineering at the University of Pretoria, proposed a toast to the Sait.



The buffet meal with its many choices of dishes was thoroughly enjoyed by everyone. It was accompanied by marvellous wines from D'Aria and La Motte.

After the meal, Gill Fuller, SAIT Secretary, assisted President David Beard in presenting the SAIT's Annual Awards.

The SAIT Student Award went to Ruan Nell for his paper on 'The Effect of Oxygen on Lubricated Wear Measurement', supervised by Prof P de Vaal of the University of Pretoria.



Ruan Nel receiving the SAIT Student Award from SAIT President, David Beard.

Mrs Steven Lumley received the Best Technical Presentation Award for her presentation on 'The Role of Oil Analysis in Wind Turbine Gearbox Reliability', given during the SAIT's Oil Analysis Seminar on 25 March 2014.



Steven Lumley and David Beard display the shield awarded for Best Technical Presentation

Werner Herselman accepted the award for Best Technical Achievement on behalf of Product (Pty) Limited for their study, 'Applying Glycol- in- Water in Working of Yellow Metals Using Minimum Quantity Lubrication (Mql)'



Werner Herselman receives the shield for Best Technical Achievement on behalf of Product

John Fitton was awarded the Louw Alberts Award for 2014, in recognition of his exceptional support in updating the SAIT training material, his inspired leadership during his Presidential term and his valuable support of the SAIT Tribology Project 2010.



Winner of the Louw Alberts Award, John Fitton, with SAIT President David Beard

David Beard introduced Derek Hanekom, Minister of Science and Technology, and thanked him for his support of the SAIT.



**Minister of Science & Technology,
Derek Hanekom,
With SAIT President David Beard and
SAIT Vice-President Patrick Swan**

Mr Hanekom began by apologizing for 'coming between his audience and dessert'!

He said that, while tweeting about his speech for the SAIT, he discovered that Tribology is very much under-recognized – but that many were now 'Googling' the subject. He complimented the SAIT on meeting the educational challenge of spreading understanding of friction, lubrication and wear, with our strategy of courses, meetings and seminars.

It is hard to understand why so much friction-related wear and the resultant costs occur in all industries. Why, Mr Hanekom asked, isn't more invested in maintenance, including the tribological aspects. This is possibly because we live in an age where people are obsessed by the new, and don't perceive the necessity for using and maintaining what exists.

The Minister said it was a pleasure to be in the company of an established and well-run organisation whose website is kept up to date and sends out its publications regularly. If there were any scandals within Tribology, he said, the SAIT was good at hiding them.

He said that engineering, together with science and mathematics, was vital to the well-being of the country. The SAIT could not be faulted – but perhaps we could find a way, together with the Department, to do more: perhaps to increase our outreach, or award scholarships. We need to lobby more, create a

wider appreciation of Tribology. He said that the DST would continue to work with the SAIT in these areas.

Artisans have a lack of knowledge and skills, while mentors such as graduate engineers, who should have the appropriate knowledge to pass on, have no experience. The situation is worsened by the rapidly increasing complexity of equipment, leading to expensive and unexpected consequences not only for our country, but for the world.

Mr Hanekom acknowledged that while we need more scientists and mathematicians, it is vital for the country's economy that more must be done to develop the skills of hands-on artisans. Some internship programmes are showing positive results; more such programmes should be developed in partnership with the Technical Colleges. These are challenges that must be met head-on.

Mr Hanekom said that specialist organisations such as the SAIT can make a huge contribution to the country. He thanked the SAIT for the opportunity to speak at the Annual Awards Dinner.

David Beard thanked Mr Hanekom for his excellent speech, his support and encouragement.



**The Main Table with Minister and Mrs Hanekom,
SAIT Vice-President Patrick Swan, SAIT
President David Beard and SAIT Past President
John Fitton**



The evening concluded with delicious desserts, coffee and tea.



SAIT Secretary, Gill Fuller (centre)
SAIT Assistant Secretary Isabel Bradley
And SAIT Bookkeeper Berice Fayard

SAIT 30th ANNUAL GENERAL MEETING

Tuesday 13 May 2014

The SAIT's 30th Annual General Meeting was held in the meeting rooms at Science Park at 18:00 on 13 May 2014.

The meeting was attended by 10 members; they elected the following people to the Executive Committee for the 2014-2015 year: *David Beard, Johnston Chikwanda, Neels Coetzer, Johan de Koker, Dave Gamble, Doug Herschell, Shawn Pharo, Thomas Surmon and Patrick Swan.*

Portfolios will be allocated at the first meeting of the Executive Committee, to be held in June 2014.

International Tribology Events:

LUBMAT 2014, 25 – 27 July 2014: a conference and exhibition on Lubrication, Maintenance and Tribotechnology in the Hilton Manchester Deansgate Hotel, UK. For further information go to <http://www.lubmat2014.org/>.



**X Anniversary International
Conference "Lubricants Russia
2014" - 1195 Euro*12-13 November
2014.**

**14 November 2014. International
Conference "Greases
Russia 2014" - 450 Euro***

Accompanying Exhibition: Standard Exhibition Booth (3x2m) - 2250 EUR*

To register please contact Elena Konstantinova or Anna Lisak +7 495 502-5433 or +7 495 778-9332, or e-mail: Konstantinova.Elena@rpi-inc.ru or Lisak@rpi-inc.ru or visit our website: <http://rpi-conferences.com>

Tribology 2015: 11th International Tribology Conference, presented by The South African Institute of Tribology, 10-12 March 2015 at the University of Pretoria Conference Centre Pretoria South Africa. For information about presentation of papers, sponsorship, exhibition and registration, contact Gill or Isabel at +27 11 804-3710 or e-mail secretary@sait.org.za or admin@sait.org.za.

Other Related Events:



OCCA
The Oil & Colour Chemists' Association

OCCA, Mini Symposium 2014, "How to Formulate Paint":

The Oil & Colour Chemists' Association, The Northern Section, will present their Mini Symposium 2014, "How to Formulate Paint", on **25th June 2014** at the Plastics Federation Auditorium, 18 Gazelle Ave, Corporate Park South, Midrand, from 12h00 – 17h00. **For further information or to reserve a place, contact B van Niekerk at bev@jabelo.co.za, Fax No 0866351433 or Tel No 011 805 1356.**