



The South African Institute of Tribology

**The South African Institute of Tribology**

*understanding friction, lubrication and wear*

The South African Institute of Tribology

## *Newsletter, May 2012*

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### **SAIT Provisional Programme 2012:**

On 29 May 2012, the SAIT invites you, free of charge, to attend our half-day Seminar,

#### **“ENERGY REDUCTION THROUGH MATERIALS SELECTION”**

Tuesday 29 May 2012, at Science Park, 1 Northway, Kelvin

#### **PROGRAMME**

14:30-15:00	Registration, Tea and Coffee	
15:00-15:15	Welcome & Introduction	Patrick Swan of Aswan Consulting
14:45-15:15	Tribology in Mining	Dave Gamble of Anglo American
15:15-15:30	Tea	
15:30 -16:00	Tyres	Ary Coetzee of Bridgestone
16:00 - 16:30	Laser materials Processing for Wear Prevention of Industrial Products	Dr Federico Sciammarella of the CSIR National Laser Centre.
16:30-17:00	Case Study wear	Patrick Swan
17:00-18:00	Refreshments	
18:00-18:30	SAIT AGM	
18:30-19:00	“Co-operative friction: a tribological aspect”	Dave Gamble
19:00-20:00	Refreshments	

*The SAIT reserves the right to change the programme.*

*If you wish to attend this seminar and its related events please e-mail Gill or Isabel, **before Friday 25 May**, at [secretary@sait.org.za](mailto:secretary@sait.org.za) or [admin@sait.org.za](mailto:admin@sait.org.za) or phone 011 802-5145. We need to know who is attending for catering purposes. Many thanks.*

**Lubrication Engineering Course (78):** 11 – 15 June – Johannesburg

**26 July: One-Day Seminar on ‘Metal Working Fluids and Their Place in Industry.’**

**Lubrication Engineering Course (79):** 13 – 17 August – Cape Town

*For further details of all SAIT functions, please contact Gill or Isabel at 011 802-5145/6 or e-mail either [secretary@sait.org.za](mailto:secretary@sait.org.za) or [admin@sait.org.za](mailto:admin@sait.org.za).*

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### **SAIT Memorabilia for Sale.**

The SAIT has a number of ties available – plain blue with the SAIT Logo and 10

<sup>th</sup> Anniversary (from 1995) ties at R20-00.

There are also a number of SAIT Golf Shirts from past years, a few yellow and some black and red, at R50-00.

For further information contact Gill or Isabel at 011 802-5145/6 or drop us an e-mail at

[secretary@sait.org.za](mailto:secretary@sait.org.za) or [admin@sait.org.za](mailto:admin@sait.org.za).

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## The SAIT 2012 Annual Dinner and Awards Evening.

On Friday evening, 4 May 2012, members of the SAIT gathered at the Wanderers Club in Illovo, Johannesburg. Gentle flute music greeted the guests as they arrived and chatted with friends and colleagues, then found their allocated seats.

SAIT President, John Fitton, opened the evening by welcoming everyone. The buffet dinner was declared open and a delicious meal was enjoyed.

Patrick Swan, long-standing Executive Committee Member and Past President, proposed a toast to the SAIT.



After the main course, Executive Committee Member Thomas Surman introduced the Guest Speaker, James Dalton. James entertained the guests with tales of his early days in the Springbok Rugby team, telling tales of 'school boy' pranks during a tour in Wales, and of the elation of winning the World Cup in 1995. He spoke of how sportsmen are completely isolated from 'real' life, having their aeroplane and hotel bookings made for them, and their lives completely structured around training sessions and matches. He began his career in rugby while the players were still considered amateurs and were not able to receive an official salary; to help make ends meet each player was surreptitiously handed a brown envelope containing cash after each game. Eventually, when they were formally employed and paid, they decided to ask for double the current amount: they were told, "If that's how much you want, you

can all walk – new players will be recruited!" They immediately backed down – and a few weeks later, began receiving regular salaries of more than they had requested. Once he left the world of professional sports, and ventured into business on his own, he had some hard lessons to learn. "I think I only learnt about being a responsible adult since becoming a parent two years ago," he quipped.

Everyone thoroughly enjoyed listening to James's reminiscences.

Next came the annual Awards Ceremony, with John Fitton presenting the relevant shields and trophies to hard-working and committed tribologists:

**The Louw Alberts Award** is a floating trophy and certificate presented for an Outstanding Contribution to Tribology over the years. **Anil Mooloo** received this award in recognition of his expert specialist knowledge of lubrication and materials, his development and formulation of tribology products to combat wear and their application in the manufacturing, mining, agriculture and automotive industries. His son, Yadhir, accepted the award on his behalf.

Yadhir Mooloo accepting the Louw Alberts Award on behalf of his father, Anil.



**The Best Technical Achievement Award** is an annual competition, with floating trophy, cheque and certificate, to recognise and reward outstanding achievements in the field of tribology. **Mr LF Barker and Prof PL de Vaal** shared this award for their joint entry "Reducing Power Consumption in Helical Gear Drives – A Case Study on Air Cooled Condenser Gearboxes at Matimba Power Station".

Les Barker and Philip De Vaal receiving the Best Technical Achievement Award

**The Best Technical Presentation Award** is a floating trophy and certificate, awarded annually for the best technical presentation given at SAIT technical meetings, seminars and conferences. **Dr NDL (Danie) Burger** received this award for his paper entitled "Failure of Metal to Metal Total Hip Joint Replacements", presented at Tribology 2011 on 5 April 2011.

Dr Danie Burger accepting the Best Technical Presentation Award.



**The SAIT Student Award**, consists of a cheque and a certificate, given to both undergraduate and graduate winners of best final year poster projects. **Roxanne van der Merwe** of the University of the Witwatersrand received this award, Postgraduate 2011, for a masters degree in engineering – MSc.(Eng). "Friction and Sliding wear of WC-Co Inserts Containing Mixed Carbides (TiC, TaC, NbC)." At this time there is no photograph of Roxanne available; we will tell you more about Roxanne in next month's newsletter.



John Fitton thanked Gill Fuller, the SAIT Secretary, and her assistant, Isabel Bradley, for their hard work and dedication in keeping the SAIT running smoothly.

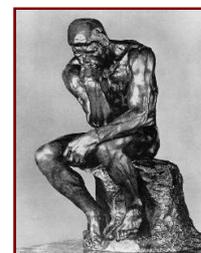
Gill Fuller, Isabel Bradley and SAIT President, John Fitton

The dinner ended on a delicious note of dessert, coffee and good conversation.

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## Your Tribology-Related Articles and Ideas are Needed.

Tribologists – we know you are a highly-intelligent, creative bunch of people! Please send *your* articles for placing in our newsletter. They should be interesting, easy for the layman to understand and, of course, must be about one or other aspect of tribology. Articles should be between 500 and 1500 words and can be e-mailed to [admin@sait.org.za](mailto:admin@sait.org.za). If you don't have the time to write the article yourself, please e-mail your suggestions to [admin@sait.org.za](mailto:admin@sait.org.za), and Isabel Bradley, our Assistant Secretary, with research and write the article on your behalf.



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## International Tribological Events:

The upcoming Conference **LUBMAT'12** on Lubrication, Maintenance and Tribotechnology is going to be held in the Euskalduna Palace of Bilbao, from 6 to 8 June. Moreover, some interesting **pre-conference courses** are scheduled on the previous day, **June 5th**, given by some of the most leading companies and distinguished technical authorities in each one of the subjects they are going to teach. You can see all this information in the official **website** of the Conference: <http://www.lubmat.org>

The Institution of Mechanical Engineers' Tenth International Conference on Vibrations in Rotating Machinery (VIRM10), will take place from 11-13 September 2012 - for further information go to [www.imeche.org/events/c1326](http://www.imeche.org/events/c1326)

**21st International Baltic Conference Baltmattrib 2012** will be held in Estonia, Tallinn, from October 18 to 19, 2012. Visit the official conference website [www.ttu.ee/baltmattrib2012](http://www.ttu.ee/baltmattrib2012) for further information. We are looking forward to seeing you in Tallinn.

**Lubricants Russia - 2012!** Special Savings for Past Years Attendees - 800 Euro! Each year the most influential players and decision makers of the International lubricants industry meet at the International "LUBRICANTS RUSSIA" Conference in Moscow. We invite you to join them at this event from 13 – 16 November 2012, now in its 8th year. To register please contact Elena Konstantinova, tel. +7 495 502-5433 or +7 495 778-9332 e-mail: [Konstantinova.Elena@rpi-inc.com](mailto:Konstantinova.Elena@rpi-inc.com) or visit our website <http://www.rpi-conferences.com>

**Fuels – Conventional and Future Energy for Automobiles:** 15 – 17 January 2013, in Stuttgart/Ostfildern, Germany. This is a Call for Papers. For further information, go to [www.tae.de/fuels](http://www.tae.de/fuels), phone +49 711-34008-35, fax +49 711 34008-65 or email [martina.fischer@tae.de](mailto:martina.fischer@tae.de).

**RENEX Eurasia 2012**, the trade fair for renewable energy technologies, energy efficiency and insulation, will take place in Ankara, Turkey from 15 – 18 November 2012. Book your exhibition space today! Further information on RENEX Eurasia 2012 is available on [www.hmsf.com/renex/eng/index.asp](http://www.hmsf.com/renex/eng/index.asp). For convenient travel packages or if you have any questions, please contact Ms. Lisa Kuntze on Tel: +27 (0)11 486 2775 or send an e-mail to [lkuntze@germanchamber.co.za](mailto:lkuntze@germanchamber.co.za).