SAIT Newsletter, August 2013

SAIT Telephone Numbers:

Please remember that the SAIT telephone number is now 011 804-3710. All other numbers have been discontinued.

Report-Back on SAIT Lubrication Engineering 85, held in Cape Town from 19 - 23 August:

The Delegates of Lubrication Engineering 85
with Secretary Gill Fuller front centre,
and lecturers Patrick Swan and Jackie van der Heyden above and to her left.
The Lubrication Engineering Course (85), presented by the SAIT at the Breakwater Lodge, Waterfront, Cape Town, was attended by 20 enthusiastic delegates, from as far afield as Ghana and Namibia and various locations and companies in South Africa. Lecturers were Jackie van der Heyden, Jimmy Hey, Petr Vavruch and Patrick Swan. The results will be published in next month’s newsletter.

**SAIT Programme 2013 and 2014**

**16 - 20 September: 5-day Lubrication Engineering Course (86)** – Science Park, 1 Northway off Marlbo Drieve, Kelvin, Sandton, Johannesburg. *This course is registered with ECSA, SAIMM number 00619, and is awarded five CPD credits. Please note, this course is fully booked.*

**21 – 25 October: 5-day Lubrication Engineering Course (87)** – Science Park, 1 Northway off Marlboro Drive, Kelvin, Sandton, Johannesburg. *This course will be registered with ECSA, SAIMM number 00619, and will be awarded five CPD credits. Please note, this course is fully booked.*

**8 October: Proposed Afternoon Seminar on Metalworking Fluids – Call for Papers:** The SAIT will present an afternoon seminar on “Metal Working Fluids”, at Science Park, Northway, Kelvin on **Tuesday 8 October 201**. 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.

MWF technology and regulations are changing rapidly, and as a result formulation and environmental requirements are being focused upon. The health aspect of toxic vapour is driving the changes in these products. Awareness in this area is critical importance.

**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:

**Metal Working Fluids**

- Market overview.
- Renewable base stocks, stability, additive requirements – impact on formulations.
- Additive developments and improvements.
- Impact of health and environmental regulations on the lubricant design.
- Development of low consumption MWF.
- Storage, handling and disposal of MWF.
- Machine tools, designs and materials.

Presenters from Product, Stub Lubricants, Lubrizol and BP Castrol have been invited to participate. We would like to see more from the related industries.

Please send a brief synopsis, and short title, of your proposed presentation or case study for approval, maximum 5 words, to the SAIT, email secretary@saite.org.za, admin@saite.org.za or fax to 086 719-2251 as soon as possible. We would like to circulate the programme to a large target market to ensure a good attendance. Please include title, authors & affiliation, and your contact details. The full paper, presentation or case study is required by **5 September 2013**.

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 at 082 856 2100, and general enquiries phone Gill or Isabel at 011 804-3710.

**20 & 21 November: SAITCLS Study Course** – Science Park, 1 Northway off Marlboro Drive, Kelvin, Sandton Johannesburg
22 November: STLE - CLS, OMA & CMFS exams – Science Park, 1 Northway off Marlboro Drive, Kelvin, Sandton, Johannesburg.

24 – 28 February 2014: 5-day Lubrication Engineering Course (88) – Science Park, 1 Northway off Marlboro Drive, Kelvin, Sandton, Johannesburg. This course is registered with ECSA, SAIMM number pending, and is awarded five CPD credits.

19 – 23 May 2014: 5-day Lubrication Engineering Course (89) - Sica’s Guest House, 19 Owen Avenue, Mayville, Durban. This course is registered with ECSA, SAIMM number pending, and is awarded five CPD credits.

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

A Recipe for Diplomatic Friction – Macedonia, a Forgotten Country

By Isabel Bradley, SAIF Assistant Secretary

My husband, Leon, and I recently spent nine days in the Former Yugoslav Republic of Macedonia, as it is still officially known to most countries of the world. We were there to attend the wedding of my stepson, Anton to his Macedonian fiancée, Elena. Although they met and now live in London, Elena was born and raised in Bitola, in the south of Macedonia. Our first stop on this trip, however, was the capital, Skopje.

The heat was intense, over 40°C, as it had been in both Salzburg and Vienna in the preceding days. We found a row of restaurants on the outside of the main shopping mall in the centre of Skopje with cool shaded outdoor dining areas overlooking the river. Across the river was a string of bright-white brand-new buildings with Grecian columns, some still lined with scaffolding. Crossing the river were several bridges, some new, some established, all sporting rows of bronze statues of Macedonian heroes, so new that they did not yet have that attractive patina that we are accustomed to. One that we examined was of a Macedonian pop-star who recently died in a road accident. We wondered why Skopje was intent on recreating its image.

Skopje - Building a New Image

Until September 1991, when they declared independence, Macedonia was part of Yugoslavia. It became a member of the United Nations in 1993, with the proviso that they call themselves the Former Yugoslav Republic of Macedonia, shortened to FYROM. This was because of a continuing dispute with Greece over the name ‘Macedonia’, which goes back to the days of Alexander the Great, King of Macedon, some three hundred years BC.

Alexander and His Empire

Macedonia is also the name of Greece’s northernmost province, with the same historic roots. After ongoing mediation by the United Nations, relations between Greece and Macedonia are ‘normalised’ but, as we saw later in our trip, neither happy nor comfortable.
The Republic of Macedonia as a country and a people, has, from 148 BC when the Roman Empire took control of Macedonia, Greece and Carthage, been continually subjugated. Later, as the Roman Empire collapsed, the Byzantine Empire took control. The Slavs invaded the area, becoming part of the Macedon population and there were wars between the Byzantines and the Slavic tribes. During the 9th Century, a time of Bulgarian rule, the Macedonian Slavs accepted Christianity as their religion. Medieval times in Macedonia consisted of a series of invasions and counter-invasions, including by the Normans in the late 11th Century. Eventually, the Ottoman Empire conquered most of the Balkans and the Turks ruled there for five hundred years.

Macedonia was the last of the Balkan countries to shake off Ottoman rule, with the brief but fierce Balkan Wars in 1912 and 1913. However, their national identity was still not recognised and the area known today as The Republic of Macedonia was named ‘Southern Serbia’ and fell under Serbian rule.

In 1914 came the First World War, after which both Serbia and Greece denied independence to the Macedonians and the continued as part of Yugoslavia until the 2nd World War. During the war, the Balkans were occupied by the Axis forces. After the war, in spite of nationalist and revolutionary movements, Macedonia was re-absorbed into Socialist Yugoslavia.

To add to the country’s woes, in 1963 Skopje suffered an earthquake in which over 1,000 people were killed, 4,000 injured and 200,000 left homeless. 80% of the city was demolished in the 20-second, 6.1 magnitude quake. Though international aid poured in, giving rise to the city’s motto, “The City of International Solidarity”, rebuilding of the city remains incomplete.

The Macedonian Flag

In 1999, about 360,000 Albanians fled as refugees into north-western Macedonia, escaping from the Kosovo War. This led, in 2001, to a conflict between the governments of Albania and Macedonia. NATO intervened and the conflict ended.

Macedonia Today

The history of Macedonia is littered with conflict and disaster and the Macedonians have been subjugated for well over two thousand years. It is greatly to their credit that, in the face of such long-lived international friction, they have retained their national identity and language. They have reclaimed their national religion, Macedonian Orthodox Christianity, and are rebuilding their capital city, Skopje. The Macedonian people are strongly nationalistic and proud of their hard-won independence.

[http://world.time.com/2012/10/08/the-balkan-wars-100-years-later-a-history-of-violence/#ixzz2Yk2Qwmo](http://world.time.com/2012/10/08/the-balkan-wars-100-years-later-a-history-of-violence/#ixzz2Yk2Qwmo)
Read more: [http://world.time.com/2012/10/08/the-balkan-wars-100-years-later-a-history-of-violence/#ixzz2Yk2Qajd](http://world.time.com/2012/10/08/the-balkan-wars-100-years-later-a-history-of-violence/#ixzz2Yk2Qajd)
Read more: [http://www.historyofmacedonia.org/ConciseMacedonia/timeline.html](http://www.historyofmacedonia.org/ConciseMacedonia/timeline.html)
[http://www.historyofmacedonia.org/ConciseMacedonia/MacedoniansNotGreeks.html](http://www.historyofmacedonia.org/ConciseMacedonia/MacedoniansNotGreeks.html)
**WTC 2013: 5th World Tribology Congress, 8 – 13 September, 2013 at Palaolimpico, Torino, Italy**

The SAIT President, David Beard, Vice-President Patrick Swan, Secretary, Gill Fulk and SAIT members Beinda Haiker from Sasol, Prof Philip De Vaa and will be attending the 2013 5th World Tribology Congress in Torino, Italy. As well as attending the congress, Prof De Vaa will be presenting a paper. For further information or to book, see [http://www.wtc2013.it/home.html](http://www.wtc2013.it/home.html)

**Other International Tribology Events**

**COMSOL Conference 2013 Rotterdam, 23 – 25 October, 2013:** The premier event for multiphysics simulation has been scheduled and you're invited. Connect with the makers of COMSOL Multiphysics and participate in over 50 training opportunities and events explicitly designed for the engineering community. Date: **23 – 25 October, 2013**


All presented papers will be published in Procedia Engineering (ISSN: 1877-7058) by Elsevier and will be accessible on [ScienceDirect](http://www.sciencedirect.com). Procedia Engineering is an open access journal indexed in Scopus, Engineering Index and Compendex. Extended version of the selected papers will also be considered for special issues in *Journal of Mechanism and Machine Science* / International Journal of Mechanical and Materials Engineering / Journal of Mechanical Engineering Journal Teknologi. All journals are indexed in Scopus. We would be extremely grateful if you could assist us in disseminating the information related to MITC2013 amongst your staff, colleagues, students and institutional network. We are looking forward to your participation and meeting you in Sabah for a truly rewarding experience.

**Lubricants Russia 2013, IX International Conference** at the Renaissance Moscow Hotel.


15 November 2013. International conference “Greases Russia 2013”

To register please contact Margarita Reshetneva: +7 495 502-5433, +7 495 778-9332,

e-mail: Margarita@rpi-inc.ru or visit our website: [http://www.rpi-conferences.com](http://www.rpi-conferences.com)


**6th International Conference on Tribology in Manufacturing Processes (ICTMP): June 22-24, 2014, Darmstadt, Germany.** In June 2014 the Institute for Production Engineering and Forming Machines will host the 6th International Conference on Tribology in Manufacturing Processes (ICTMP).

The scope of this conference covers tribological aspects in the manufacturing of all types of materials, at all lifecycle stages. A further focus of the conference is the issue of joining by plastic deformation Keynote speeches of Prof. Niels Brøndsted (Technical University of Denmark, Lyngby, Denmark) and Prof. Mori (Toyohashi University of Technology, Japan) will introduce the conference topics. In addition to scientific research, this conference aims for a vital discussion on tribology phenomena in industrial production applications. To ensure the high scientific standard for this conference and to strengthen the scientific community in the field of tribology in manufacturing processes, we kindly invite you to contribute a paper to this conference. **Industrial Presentations:**
Submission dates for:
31 October 2013 Abstract submission due
28 November 2013 Acknowledgement of acceptance
28 February 2014 Presentation submission due

For more information and to submit your abstract, visit: <www.ictmp2014.com>