

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI NEWS

Inside this issue:

- | | | |
|----------------------|----|---|
| SACI Office | 1 | This will be the last newsletter for 2013. It was a good year for SACI with lots of activities at the section and division level. Indeed this newsletter contains reports from all 4 sections – a FIRST! So a big <i>thank you</i> to the correspondents who supplied the reports. |
| Advertising | 2 | |
| SACI scarfs and ties | 3 | |
| SACI Section News | 9 | |
| Obituary R Vleggaar | 14 | The SACI Convention (2013) is now over and the January newsletter will contain reports on all that happened there. As we get ready for 2014 two new important SACI events have been advertised – BOCC (a SACI-ACS event for organic chemists) and Analitika 2014 (an event for all branches of analytical chemistry). |
| ACS News | 15 | |
| RSC News | | |
| IUPAC Volunteer | | |
| SAQA Update | | |
| CAIA Newsletter | | |
| Courses/Workshops | | |
| SACI Events | | |
| Conference List | 20 | It remains for me to pass on best wishes to all SACI members from the SACI executive: Have a wonderful festive season and New Year; and enjoy the holiday break. |
| Extra Events | 21 | |
| Employment/ | 21 | |
| Study opportunities | 25 | <i>Neil Coville</i> |
| RxnFinder | | |

SACI office: KZN address

Below are listed the new details for our SACI Head Office

Laila Smith; SACI, School of Chemistry and Physics
University of KwaZulu-Natal, Westville Campus, Private Bag X54001, Durban 4000
Tel: 031- 260 8756
Fax: 031 260 3091
saci@ukzn.ac.za



www.Gamry.com

Your partner in electrochemistry
represented locally by



Complexity made simple
Email: corr-serve@icon.co.za

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

Advertising in the SACI newsletter

The newsletter provides a means of getting messages to our membership. Currently the SACI membership stands at over 1000. This newsletter thus provides a means of advertising employment opportunities, conferences and workshops, and even for companies/Universities to promote themselves. We encourage members to use the Newsletter for advertising purposes.

All SACI related conferences and events are advertised for free; if not a SACI related event there could be a small charge.

For advertising costs contact Laila at the SACI office

SACI scarves and ties



The SACI scarves (for women) and ties (for men) are now available from Laila in the SACI office. Cost of either is R100 (+ postage).

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

Eastern Cape

SACI Postgraduate Seminar

The 2013 Eastern Province SACI postgraduate seminar was held at the University of Fort Hare Alice campus on the 25 October 2013. All the four Universities in the region were represented and Aspen-Pharmacare was represented by Dr Harmse. About 150 delegates consisting of staff and students from Nelson Mandela Metropolitan University, University of Fort Hare, Rhodes University and Walter Sisulu University attended the event. The programme opened with a short address from the host university head of chemistry department, Dr DM Katwire. He welcomed colleagues from all the other universities, some of who travelled 350 km from Mthatha and 260 km from Port Elizabeth to attend the annual event. This event is always held at the end of October and it rotates annually among the four universities.

The EC Cape province Chairman, Prof. ZR Tshentu, gave an overview of the SACI 2013 awards and proceeded to present the awardees from the Eastern Cape. The Sasol post-graduate medal was awarded to Dr Dezzline Ondigo (formerly from Rhodes University), and the James Moir medal was awarded to Ms Mamello Mohale also from Rhodes University. Prof Tshentu also raised a lot of pertinent issues that include the need for chemistry practitioners and students to join SACI and become active participant in all SACI related activities. In conclusion, he thanked the SACI Convention Local Organizing Committee for the sterling work they have done, under the leadership of Prof Oyedeji, in organizing the convention which will be held in December 2013 in East London.

The students showed great enthusiasm in their participation in the annual events. The progress made in this event in the last five years has been tremendous. The presentations by the students varied from fundamental to applied chemistry and the event was a great afternoon of chemical science. In the junior section comprising the first year masters and honours students, their presentation included nano-materials for water purification; quinolone based anticancer agents and classical coordination chemistry. The first prize in this category was awarded to Tracey Seywood of Rhodes University while Gratien Habarurema of NMMU won the second prize. In the senior category for second year masters and doctoral students, the four presentations were all applied chemistry in context. The topics included gold nanoparticles-based colorimetric probes, fluorescent polymers for chemosensing, computational studies of ruthenium based complexes and impulse transfer of small charges in soil samples. The first prize in this category was awarded to Nokuthula Ngomani of Rhodes University and Adebayo Adeniyi of the University of Fort Hare won the second prize.

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

Eastern Cape



From the left: Ms Tracey Seywood (RU), Mr Gratien Habarurema (NMMU), Prof Z.eni Tshentu (SACI EC Chairman, NMMU), Dr Nigel Harmse (Aspen Pharmacare), Ms Nokuthula Ngomane (RU) and Mr Adebayo Adeniyi (UFH).

In both the junior and senior categories, the winners were based on unanimous decision of the five judges consisting of one academic from each of the four universities in the region and the representative of the Aspen-Pharmacare. The 2014 EC postgraduate seminar will be at the Nelson Mandela Metropolitan University in Port Elizabeth. The executive committee has finalized arrangement to allow Innoventon, a research entity of NMMU, to send their students to participate in the postgraduate seminar.

Prof. P. Ajibade (SACI EC secretary)

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

KwaZulu-Natal

It has been another busy month in the KZN region with a number of SACI events.

Honours/BTech Symposium

Annually the KZN Section organises the Honours/BTech Symposium. This year it was held on 31st October at the Durban University of Technology. The event was kindly organised by Professor Vincent Bisetty of DUT. It was attended by the fourth year students from Durban University of Technology, University of Kwazulu-Natal and Mangosuthu University of Technology. Unfortunately, the University of Zululand was unable to participate this year.

Dr Ntsapokazi Deppa, a chemist in the Technology and Engineering Group at Tongaat Hulett Sugar, gave the welcoming address. She spoke on the qualities required of a chemist to be successful in industry. Nine students, two from DUT, one from MUT, and three each from UKZN Westville and UKZN Pietermaritzburg, orally presented their BTech/Honours research projects while another 5 students presented posters on their projects. The oral and poster presentations were adjudicated and prizes were awarded. The winners were:

Oral Presentations:

First Prize: Sumayya Chohan (UKZN, Pietermaritzburg Campus)

Second Prize: Michael Oerder (UKZN, Westville Campus)

Poster Presentations:

First Prize: Nqobile Ndlangamandla (UKZN, Pietermaritzburg Campus)

The prizes were kindly sponsored by Metrohm SA and the Royal Society of Chemistry (Northern Section). We would like to thank them for their generous assistance with sponsorship for this event.



The three prizewinners from L to R: Michael Oerder, Sumayya Chohan and Nqobile Ndlangamandla.

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

KwaZulu-Natal

End-of-year Magic Show

This year the annual Magic Show was held on Friday, 22 November at the University of KwaZulu-Natal, Westville Campus in Durban. This event has been held in KZN for some 30 years and was started by the late Professor Mike Laing. His spectacular show was well known far and wide. When it first started it featured ladies being magically cut in half, Miss Rabbit popping out of a box and all kinds of extraordinary events.

This year the show was performed by the Three Magicians, who entertained both young and old with their chemical magic, bangs and smoke. Over 300 people attended the event which ended with the serving of magical ice cream. We were extremely pleased with the good attendance and the wonderful audience participation and enthusiasm.



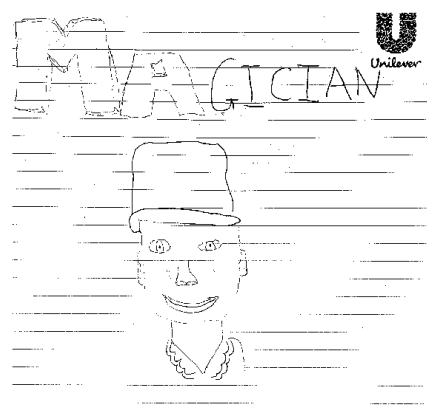
The Magicians arrive in magical wuffle dust!



The Magicians pondering over some complex magic.



An extremely enthusiastic audience!



A young member of the audience expressed his appreciation.

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

KwaZulu-Natal

The SACI KZN Section would like to thank the staff of the School of Chemistry and Physics and the WestChem Student Society for assistance.

GC Training Workshop

On Thursday, 28 November a very successful Gas Chromatography Workshop was held at the School of Chemistry and Physics of the University of KwaZulu-Natal, Westville Campus. We were very fortunate to have Jack Cochran, the Director of New Business and Technology at Restek Corporation in the USA, present his tips and techniques for gas chromatographic analyses. Over 70 participants attended the workshop and whether a novice or an old hand at GC everyone went away having learnt something. We are very grateful to SEP Scientific and Sue Petzer for sponsoring the workshop.



Jack Cochran of Restek Corporation.

Forthcoming Event

On Wednesday, 11 December all KZN SACI and RSC members are invited to a lunch and awards ceremony at Ammazulu African Palace in Kloof. Lunch tickets are available at R185. Please RSVP to Laila at saci@ukzn.ac.za. At the event RSC members will be awarded their 40-year membership pins.

We wish everyone a happy holiday season and look forward to a prosperous 2014 for everyone.

Bice Martincigh, KZN

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

Gauteng – Limpopo

SACI Young Chemist Symposium 2013 (Limpopo)

The second SACI Young Chemist Symposium 2013, Limpopo region, was held at the University of Venda on 01st November 2013 from 11H00-17H00. It was a joint event for postgraduate chemistry students of the Universities of Venda and Limpopo. We had six chemistry honours and six chemistry masters presentations (three from each institution). The adjudicating panel comprised Dr Richard Mampa (UL), Mr Paul Mojapelo (Univen) and Prof MJ Mphahlele (UNISA) and the evaluation criteria were clearly spelt out to all postgraduate students prior to the start of the symposium. The symposium was attended mainly by students and staff from the participating institutions and it was indeed a huge success. Our third symposium will be held at the University of Limpopo, Polokwane, in 2014.

The prize winners were:

Chemistry honours:

- 1st Position: Mr KIS Mabape (Univen)
2nd Position: Mr S Raseale (UL)
3rd Position: Mr MC Mushavhanamadi (Univen)

Chemistry Masters

- Ms NW Sebati (UL)
Mr K Mokami (UL)
Ms T Tshiwawa (Univen)

On behalf of the organizing committee I would like to express our sincere gratitude to SACI for a generous donation of R 4 000 and the Royal Society of Chemistry for the R 6 000 cash prize awards for the best three presentations in each category (honours and masters). Thanks are also due to the University of Venda for the financial and general support.

Prof IDI Ramaite, HOD, Chemistry, University of Venda



Photos submitted by Mary Thomas, U Limpopo



School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

Western Cape

Staff and students from Stellenbosch and Cape Town Universities recently attended the 2nd Bi-national South African-German Organic Chemistry Conference in Tutzing about 15 km south of München from 29th September-4th October. The staff gave podium lectures while students presented posters. Since the attendees numbered about 70 or so, a good many personal contacts were made and it is hoped that networking with German colleagues and institutions will emanate from this very successful second bi-national SA-German conference firstly started by Prof Charles de Koning and his colleagues at WITS in 2008.

In order to increase the awareness and appreciation of the tremendous contribution made by organic chemists and to the importance of its role in society today, liaising with our colleagues from overseas institutions has certainly made great strides in developing bilateral visits of staff and students. Adding to this important mix are the prominent personalities that visit our shores and institutions since students now get to put a face to a name which encourages their development in the science of organic syntheses.

The bi-nationality theme is currently being extended by Prof van Otterlo and the local committee in arranging the next Frank Warren Symposium, in this case with the ACS, in which 10 prominent Organic chemists from America, through partial sponsoring from the ACS will deliver plenary lectures in Stellenbosch during the first week of December of 2014. The website for this event has a link on the SACI website for those interested to have a look.

The Organic Chemistry Division of SACI through the visionary of its members who are all serious about expanding its boundaries to be more inclusive of overlapping interests, has embarked on a definite pathway to bring to its members new symposium programmes in which the full and encompassing variety of what Organic chemistry entails, in order to grow the membership for the benefit of especially, new graduating students and young staff. We have experienced that such bi-national symposia act as a stimulus for both staff and students to really improve their laboratory skills and level of research output. Apart from providing attendees with a good idea of the relevance of their work in the broader context, it allows for interaction at an international level to their immense benefit and we strongly believe that to date, the excellent contacts that have been developed are an outflow of this innovation.

It is true that other Divisions within SACI are also going this route and it can only be good for SACI and hopefully increase its membership, especially from graduating students at all institutions.

*I R Green,
Western Cape Correspondent*

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

Western Cape

SACI/RSC Dinner of the Western Cape Section.

The joint annual dinner of the Western Cape Section of SACI and the RSC was held at the Wild Fig Restaurant in Cape Town on the 24th of October. The dinner was very well attended with about 100 members and guests enjoying the evening. Prof Alan Hutton was the master of ceremonies for the evening and Prof David Gammon the invited speaker. Prof Gammon gave a very entertaining talk on “how he recovered for some of his most memorable mistakes in chemistry”. This was particularly relevant to the many young researchers in the audience as it is always good to know that even very successful chemists make mistakes, but what matters is how you recover from that mistake!

This year the co-ordination committee in the Western Cape decided that we would like to take the opportunity to acknowledge the various SACI awardees in the Western Cape at the dinner. In the past many of the SACI awards were presented to students at functions arranged by the individual departments. While we hope that this tradition continues, it was felt that the various achievements should be celebrated by the broader chemistry community of the Western Cape. All the student awardees from the Western Cape were invited and sponsored to attend the dinner and formally receive their awards. We were very pleased that all the James Moir Medal Winners (except one), as well as the SASOL postgraduate award winners were able to attend the dinner. The following awards were presented at the dinner by Prof Peter Mallon, the Chair of the Western Cape coordination committee and by Dr Margaret Blackie on behalf of SACI.

James Moir Medals - Ms N Mvumva – UCT, Ms SF Douman – UWC and Ms FM Amombo Noa – CPUT (MS N Steyn from SU was unable to attend) SASOL postgraduate medals: Nicholas Njugune – UCT and Helene Wahl – SU

In addition, members from the Western Cape who received SACI awards were also acknowledged. These were: Prof Bert Klumperman – The SACI Gold Medal, Prof Erick Strauss – Raikes Medal and Prof Len Barbour – SASOL Chemistry innovator of the year.

Prof Luigi Nassimbeni was presented with his SACI Lifetime Membership certificate, which is very appropriate acknowledgment of his outstanding contribution to chemistry in South Africa in general but also specifically to chemistry in the Western Cape over many years.

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

Western Cape

A very special award was made to Prof James Bull. The award was a plaque presented by IUPAC in recognition of his outstanding work over a period of 14 years as the Scientific Editor of the IUPAC journal *Pure & Applied Chemistry*. During this time he exhibited the highest ethical standards in managing the content of IUPAC's flagship journal. During his tenure as the Scientific Editor, the Impact Factor of the journal has grown steadily to 3.4 in 2012. Professor Bull steps down from this position at the end of 2013. Prof Alan Hutton presented the award to Prof Bull on behalf of IUPAC and read out the citation from the current IUPAC president Prof Kazuyuki Tatsumi (Japan).

Finally, our thanks must go to Alan Hutton and his team for organising this very successful and enjoyable event.



Some of the SACI prize winners, including the James Moir Medal winners, the two SASOL postgraduate medal recipients, Prof Len Barbour (SASOL innovator of the year), Prof Luigi Nassimbeni (SACI Lifetime Member) with Prof Peter Mallon (Chair of the SACI Western Cape Coordination Committee).

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI Section News

Western Cape

Prof James Bull receiving the special IUPAC plaque from Prof Alan Hutton (on behalf of IUPAC) in recognition of his many years of service as the Scientific Editor of Pure and Applied Chemistry.



Peter Mallon

SACI Young Chemists' Symposium – Western Cape Section

On 27 November, Stellenbosch University hosted this year's Western Cape Section SACI Young Chemists' Symposium. The event was the first symposium organized by AlchemUS, the society representing all chemists at the University of Stellenbosch on behalf of the SACI Western Cape Section. The day was attended by 60 delegates from University of Stellenbosch, UCT and UWC, ranging from final-year undergraduate students to post-doctoral fellows.

The day commenced with a welcoming address by AlchemUS President, Laura van Laeren, who also discussed the aim and activities of the society. This was followed by an informative and enlightening talk by Prof Len Barbour, who addressed what students should expect after a PhD, as well as what a career in academics entails.

Eight students took the opportunity to present their research in oral presentations, and an additional nine discussed their work in the form of poster presentations. The presentations covered a wide range of topics, from the complexities of solid state NMR, to the challenges of medicinal organic chemistry. The proceedings took place in the De Beers Building at Stellenbosch University, which allowed tea- and lunch-time discussions to diffuse outdoors, in order to take advantage of the beautifully sunny day.

The day concluded with a prize giving, with the best oral presentation and best poster presentation being awarded to Kathryn Wicht and John Woodland respectively (both from UCT).

The AlchemUS Committee would like to acknowledge the South African Chemical Institute (SACI) for generously sponsoring and funding this Symposium.

Laura van Laeren

GAMRY
INSTRUMENTS
www.Gamry.com

Your partner in electrochemistry
represented locally by

CORR-SERVE 
Complexity made simple
Email: corr-serve@icon.co.za

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

Obituary: Prof Robert Vleggaar



We regret to inform you that Robert Vleggaar, professor and former Head of the Department of Chemistry, passed away on Monday, 4 November 2013.

He leaves his wife, Connie, two children and three grandchildren. Our deepest condolences go out to his family, colleagues and friends.

Robert Vleggaar was a professor of organic chemistry at the University of Pretoria (UP) and was the Head of the Department of Chemistry at UP from 2008 until 2010. Thereafter he was on contract to lead the Organic Chemistry Division until the end of 2013.

Prof Vleggaar was born in Rotterdam, but his parents immigrated to South Africa shortly after his birth. In 1965 he completed his BSc degree (chemistry and mathematics) at UP. In 1966 he was appointed as a technical assistant in the Department of Organic Chemistry at the University and in 1967 he completed his BSc honours degree in chemistry. From 1969 until 1972 he worked as a research assistant in the Department of Organic Chemistry while furthering his studies.

In 1970 he obtained his MSc degree (organic chemistry), followed by his DSc degree in 1972. In the same year he joined the Organic Chemistry Division of the Council for Scientific and Industrial Research's (CSIR) National Chemical Research Laboratory as senior specialist researcher. He focused on research involving the structure elucidation, biosynthesis and analysis of physiologically active fungal metabolites, or mycotoxins. In 1986 Prof Vleggaar was appointed as research leader of the Bioorganic Chemistry Group in the Division and in 1987 as Acting Divisional Head. In 1975, he left South Africa to take up a postdoctoral fellowship at Cambridge University to study the stereospecificity of enzyme-mediated reactions.

Prof Vleggaar joined the newly formed Division of Food Science and Technology at the CSIR in 1987 as Programme Manager: Food and Agricultural Chemicals. In 1990 he was appointed as Professor of Organic Chemistry in the Department of Chemistry at UP – a position he retained till his untimely death. He was a member of the Royal Society of Chemistry, United Kingdom (UK), a member of the South African Chemical Institute and served as Chairperson of the Pretoria section from 1985 to 1986. He was also a member of the American Chemical Society. Prof Vleggaar has authored or co-authored more than 128 scientific articles. The impact of his work was reflected by an impressive ISI H-factor of 27. During the centenary celebrations in 2008 he was taken up in the list of honour of the hundred most prominent researchers in the University's existence.

For more information contact: martie.meyer@up.ac.za 0124205498

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

ACS News

The ACS-SACI relationship continues to grow. The BOCC conference will be held at Stellenbosch University from 30 Nov - 4 Dec 2014 and will involve organic chemists from SA and the USA. See advert below.

For those interested: the ACS Office of International Activities publishes articles in GlobalChem (see ACS website). Includes information on study Scholarships and so on.

RSC News

SACI members are invited to view exclusive content on the RSC website. Members also qualify for RSC benefits:

- * 15% discount on RSC books
- * Up to £50 off the cost of RSC conferences and training courses
- * Use of the RSC Library email enquiry service
- * Receive the RSC online newsletter and Grapevine
- * Online access to selected RSC publications
- * Join an RSC interest group at RSC member price

http://www.saci.co.za/royal_society_of_chemistry.html - this is the link to register

IUPAC Volunteer

Professor Alan Hutton, who is the Chair of the local IUPAC Committee, is looking for a replacement for Dr Erica Steenberg to serve on the IUPAC Committee on Chemical Education. Erica regrettably passed away earlier in the year from cancer. Please contact Alan directly if you have suggestions or you would like to nominate a candidate. alan.hutton@uct.ac.za.

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SAQA Update

Mike Booth had a meeting with SAQA on the 7 November concerning the registration of the Professional Designation PrChemSA. A final Questionnaire has to be filled out and submitted to SAQA. The Executive is working on this and we should finalise the process early in the New Year.

CAIA Newsletter

The latest issue of CAIA news i.e. **Issue 130 October 2013**, is available. Go to: www.caia.co.za or <http://www.caia.co.za/events.php?cat=n&pg=23> (events) or e-mail: caia@iafrica.com

Short Courses/Workshops

LCMS COURSE, 10 – 13 February 2014, Quantum Hall, NMISA CSIR, Pretoria Organised by ChromSA and SAAMS The course will be Presented by Alek Dooley from AB Sciex Sponsored by Separations Enquiries: Dr Schalk de Kock or Magda Rösemann 011 683 9283; schalkdk@nhralaboratory.co.za; magdar@nhralaboratory.co.za

SACI and SACI related Conference events

Analitika 2014

A committee has been formed to organise the Analitika 2014 conference in September next year. This will be the first time that the conference is arranged jointly by four SACI Divisions (the Analytical Division, ChromSA, SAAMS and ThermSA), as well as the SA Spectroscopic Society (SASS) and will cover all aspects of analytical chemistry. I have been asked to chair the organising committee. Dates: 7 to 11 September 2014; Venue: Khaya iBhubesi, Parys. Theme: Milestones in measurements

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI and SACI related Conference events

The first announcement for Analitika 2014 will be distributed soon
Contact Patricia Forbes, Patricia.Forbes@up.ac.za the chair of the scientific committee or **Mike Britton**
Email: mike.britton@necsa.co.za for preliminary information



ANALITIKA
2014
milestones in measurements

Analitika 2014
- First
Announcement
and Call for
Abstracts

KHAYA
IBHUBESI

**CONFERENCE
CENTRE**

*Analitika 2014 will be held
from 7 to 11 September 2014
on the banks of the Vaal River
at Khaya Ibhubesi
(Home of the Lion,
www.khayaconference.co.za/)
on the outskirts of Parys,
only 120 km from
Johannesburg.*

This Conference, the seventh in a series since 1992, will for the first time be organised jointly by four SACI Divisions (the Analytical Division, ChromSA, SAAMS and ThermSA), as well as the SA Spectroscopic Society (SASS) and will cover all aspects of analytical chemistry including:

- Chromatography
- Environmental analysis
- Food analysis
- Mass spectrometry
- Metabolomics / proteomics
- Sampling techniques
- Spectroscopy
- Thermal analysis

The theme of the conference, **Milestones in measurements**, will be addressed by several prominent overseas scientists who have been invited to participate as plenary speakers.

Please visit the Conference website (<http://www.analitika2014.co.za/>) for more details and to submit your abstract on line before 31 March 2014.



School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI and SACI related Conference events

BOCC 2014

Save the date! 30 NOV TO 4 DEC 2014

SACI - ACS
Bi-national
Organic Chemistry
— Conference 2014
STELLENBOSCH - SOUTH AFRICA



>>> INCORPORATING THE THIRTEENTH FRANK WARREN CONFERENCE

Please see our **website** for more information:
<http://academic.sun.ac.za/FrankWarren/index.html>

Seven confirmed American speakers, as well as a broad selection
of South African plenary and invited lecturers

GAMRY
INSTRUMENTS
www.Gamry.com

Your partner in electrochemistry
represented locally by

CORR-SERVE 
Complexity made simple
Email: corr-serve@icon.co.za

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.saci.co.za
Email: saci@ukzn.ac.za

SACI and SACI related Conference events

Others

5th IUPAC International Conference on Green Chemistry

To be held in Durban at the Southern Sun Elangeni Hotel, 17-21 August 2014;

<http://www.saci.co.za/greenchem2014>



Welcome to the 5th IUPAC International Conference on Green Chemistry

Warmest welcome to the 5th IUPAC International Conference on Green Chemistry, that will be held in Durban (South Africa), 17-21 August 2014 at the Southern Sun Elangeni.

The main objective of the conference is to emphasise the importance of green chemistry for sustainable development, and to promote novel research and collaborations, by bringing together experts and interested parties from all over the world and from diverse bodies – from the academia to the industry and to governments. The conference will be a multidisciplinary event considering all the major areas of green chemistry, including green synthesis processes, catalysis, environmentally benign solvents, energy storage, biofuels, green chemistry education, policies, and many other interesting topics. Interfaces with other sciences and other research areas will be actively encouraged. Special attention will also be given to the roles of green chemistry in fast-growing economies and to the promotion of green chemistry in the African continent.

The natural beauties of the city and its surrounding areas and the rich cultural heritage of the country offer an excellent opportunity for combining an exciting high-quality scientific experience with interesting and pleasant tourist experiences.

<http://www.saci.co.za/greenchem2014/>

Contact Us

Tel: 031- 260 8756
Fax: 031 260 3091
saci@ukzn.ac.za



School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

SACI and SACI related Conference events

Others

South African Powder Diffraction Conference and Workshop, University of the Witwatersrand, Johannesburg, 27-31 Jan 2014. Website: <http://www.regonline.com/sapdfc>

Powder diffraction along with its affiliated techniques; have evolved greatly in recent decades. Its domain is no longer primarily limited to qualitative and quantitative analysis of mineralogical and industrial samples, and advances in instrumentation and the development of new methodologies have seen it increasing being used in studies that address contemporary scientific and socially important challenges. Significant fields of activity now include the study of energy and other functional materials, polymorphism, various catalytic systems and mechanistic details of phase changes, gas solid reactions and interactions, using using some powder diffraction related technique. The latter including ; structure determination, Rietveld refinement, non-ambient studies, as well as total scattering based methods which have extended the reach of powder diffraction to include short range order phenomena, normally associated with amorphous or nano materials. Furthermore, reflectometry, small angle scattering, neutron based methods and electron crystallography, all important to materials science should all be well represented.

This meeting, which is to be one of the first official events of the International Year of Crystallography, 2014, as declared by UNESCO and the IUCr, provide a forum in which the greater Southern African scientific community can get exposure to recent developments in powder diffraction, as presented by internationally recognized leaders. And secondly, an opportunity for the African researchers, to present their own work in these areas to their national and international peers.

For more information please see attached circular or visit our website (<http://www.regonline.com/sapdfc>) or contact me directly.

Dave Billing (Organizing and Programme Chair)

NOTE : Deadline for applying for financial assistance and for submission of abstracts for talks is 31 Oct. 2013.

Poster abstracts will still be accepted until 16 Dec 2014.

NanoAfrica conference. 30 March – 2 April 2014 Vaal University of Technology (VUT) Vanderbijlpark. For details – contact: makwenaM@vut.ac.za

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

Conference List

- **XXVI Int Conf on Organometallic Chem July 13-18, 2014**, Sapporo Japan
icomc2014@ec-pro.co.jp
- **“Shechtman International Symposium”** June 29 to July 4 2014. Fiesta Americana Condesa Cancun All Inclusive Resort in Cancun, Mexico. <http://www.flogen.org/ShechtmanSymposium>.
- **‘NANOCON 014’ on Nanotechnology** – smart materials, composites, applications and new innovations 14 – 15 October 2014, Pune, India. (www.bvunanocon.com)

Extra Events (taken from CAIA newsletter)

- Safety on the Edge, 20 January 2014, Park-Inn, Sandton, Johannesburg, Contact: NOSA, Tel: 082 417 7634; Fax: 011 706 0097, E-mail: info@nosa.co.za
- Process Engineering – A Practical Perspective, 12-13 February 2014, Global Prospectus Training Centre, 366 Pretoria Avenue, Randburg. Contact: Asma Moosa, Tel: 011 781 6222; Fax: 011 781 6044; Cell: 082 693 6090; E-mail: asmam@globalprospectus.co.za
- Vinyl India 2014, 4th International Vinyl & Chlor Alkali Conference, 24-25 April 2014, Grand Hyatt, Mumbai, India. Contact: Elite India, Tel: +91 22 26000555,56; E-mail: vinylindia2014@eliteplus.co.in; www.eliteplus.co.in



www.Gamry.com

Your partner in electrochemistry
represented locally by

CORR-SERVE 

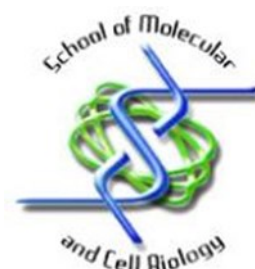
Complexity made simple
Email: corr-serve@icon.co.za

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

Employment/Study opportunities

Post-Graduate Bursaries available for studies in Synthetic Organic Chemistry/Biochemistry



BIOCATALYSIS:

Application of enzymes in Organic Chemistry

Biocatalysis researchers at WITS (Prof Dean Brady, Prof Charles de Koning, Dr Amanda Rousseau, Dr Karl Rumbold and Dr Moira Bode) are seeking students interested in pursuing MSc or PhD degrees or a Post-Doctoral study. Successful applicants will work in multi-disciplinary projects towards the synthesis of biologically active or commercially useful compounds.

Post-Doc bursary of R180 – R200k p.a.

PhD bursaries of R60 -R100k p.a.

MSc bursaries of R40 – R70 p.a.

South African nationals or permanent residents will receive priority.

This research is supported by the *Department of Science and Technology Biocatalysis initiative*. Interested applicants please send a covering letter and a short CV, together with the names of two academic referees to Dean.Brady@wits.ac.za by 15th December 2013. All enquiries can also be directed to the above address or to 011 717 6745.

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

Employment/Study opportunities

Perkin Elmer – Sales Account Manager

For the Better

Position Description

Job Title: Sales Account Manager
Location: Midrand – South Africa
SBU: Environmental Health
Reports To: Regional Sales Account Manager

Purpose

The Sales Account Manager will be responsible for the sale of products from the Environmental Health division of PerkinElmer in a stated geographical region in a manner which positively reflects the Company image.

Priorities and Objectives

- To compete for all sales opportunities within the territory, ensuring that all necessary resources needed are used in order to close business in favour of PerkinElmer
- To build and maintain relationships with existing and new customers that allows product and service information to be communicated and strategic information to be gathered.
- Working closely with Customer Service Engineers in the region to ensure consistent service to customers

Key Responsibilities

- Competes for all sales opportunities within the region
- Builds and maintains relationships with customers
- Constantly attempts to secure business in new accounts
- Gains knowledge of customer funding and procurement procedures
- Develops and maintains the Salesforce.com customer/prospect records
- Attends seminars, exhibitions and demonstrations to promote business
- Maintains knowledge of products and prepares, collects and maintains presentation aids.
- Maintains knowledge of competitors products
- Completes weekly planners & business forecasts

Qualifications

- A completed BSc degree in Chemistry or a related discipline **or** National Diploma in Analytical Chemistry
- Be fluent in both written and verbal English.
- Be a South African citizen.

Experience

2 - 5 Years proven sales experience, preferably within the laboratory instrumentation field
Background in Electronics and/or Chemistry preferably gained in a high technology sales environment
An understanding of analytical and clinical instrument applications

Personality

Good presentation, communication, inter-personal and negotiation skills
Numeratorate and competent with detail and analysis
Prepared to travel throughout Southern Africa and Overseas
Valid Driving licence and Passport

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

Employment/Study opportunities



Lecturer- Organic Chemistry (5-Year Contract Appointment) Department of Chemistry Faculty of Science

The successful applicant for this career development position will be involved in research within the MRC/UCT Drug Discovery and Development Research Unit. With good interpersonal skills, the successful applicant will participate in joint supervision of postgraduate (MSc and PhD) students and postdoctoral fellows with the Director of the Unit. In addition the successful applicant will be involved in undergraduate teaching of organic chemistry.

Principal duties and responsibilities:

- Develop a research programme in areas of focus for the Unit. The current focus areas in the Unit include Medicinal Chemistry (Malaria and Tuberculosis), Separation Science and Mass Spectrometry
- Develop and teach courses in the sub-discipline of organic chemistry to undergraduate students
- Presentation and publication of project research results
- Supervise the work of Postgraduate students and/or Postdoctoral fellows.

Requirements include:

A PhD in synthetic organic chemistry or medicinal chemistry with at least 2 years' relevant postdoctoral experience and an interest in pursuing an independent academic and research career.

The annual cost of employment, including benefits for 2013 is R457 223. Please note the annual remuneration for 2014 is currently under review.

To apply, please e-mail the completed [UCT Application form](#) (HR201) and all other relevant documentation as indicated on the form, together with a teaching and research statement (maximum 2 pages) with the subject line "**Chemistry Lecturer**" followed by the reference number to Mrs Melanie Falken at melanie.falken@uct.ac.za

The application form can be downloaded at <http://web.uct.ac.za/depts/sapweb/forms/hr201.doc>

An application which does not comply with the above requirements will be regarded as incomplete.

Address: Staff Recruitment Office, Bremner Building, University of Cape Town, Private Bag X3, Rondebosch, 7700

Telephone: +27 21 650 5764

Departmental website: www.chemistry.uct.ac.za

Reference number: SR576/13

Closing date: 10 December 2013

UCT is committed to the pursuit of excellence, diversity and redress. Our Employment Equity Policy is available at <http://www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf>

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

Employment/Study opportunities

UCT Science Faculty PhD Fellowships

The Department of Chemistry is pleased to offer **two** prestigious Science Faculty PhD Fellowships to outstanding MSc graduates (or expecting to graduate in 2013) in the areas of

- **Supramolecular Chemistry: Crystal engineering of metal–organic frameworks based on mixed ligands**
- **Scientific Computing: Pattern recognition in property prediction of ionic liquids**

All students (South African and International) are eligible to apply. The value of the bursaries will be R90 000 per annum, for a maximum of three years.

Students with an interest in **supramolecular chemistry and crystallography** may submit an application to Mrs Karin Badenhorst (Karin.Badenhorst@uct.ac.za) or contact Dr Clive Oliver for further details (Clive.Oliver@uct.ac.za).

Students with an interest in **cheminformatics and computational chemistry**, with a strong background in applied mathematics/physics/computer science in addition to chemistry, can submit an application to Mrs Louise Bezuidenhout (Louise.Bezuidenhout@uct.ac.za) or contact Dr Gerhard Venter for further details (Gerhard.Venter@uct.ac.za).

Conditions of Award:

- Successful applicants must register for full-time doctoral study in the Science Faculty, University of Cape Town;
- Successful applicants must comply with the University's policies, rules and procedures;
- Successful applicants must enter into and adhere to a bi-lateral Memorandum of Understanding with his/her supervisor(s) outlining the work-plan for the research project and time frame for completion of the degree/research.
- Students are expected to complete the PhD degree within three years.
- Successful applicants must present an annual seminar on progress at a special Science Faculty PhD Fellowship Research Day.
- Successful applicants are expected to produce a minimum of two ISI accredited publications during the course, or immediately after the completion, of their degree.

Closing date for applications: 31 January 2014

School of Chemistry
University of Kwazulu Natal
Private Bag X54001
Durban
4000

Tel: 031 260 8756
Fax: 031 260 3091
www.sacl.co.za
Email: sacl@ukzn.ac.za

RxnFinder

ChemInform®

Use RxnFinder to find chemistry that works.

RxnFinder makes it easy to search the chemistry literature for reactions that work. Most reaction databases catalog every reaction. RxnFinder is a curated reaction database. Our editorial team selects the most important reactions from the top 100 chemistry journals. This means you don't waste your time with reactions that might only work on paper.

REACTIONS AT A GLANCE

When you search for an individual transformation, you can see all the chemistry in a result in a single, easy-to-use summary. Get the context of the reaction without having to look up the original paper.

PRODUCT FEATURES

- The cleanest reaction database, with 1.7 million organic reactions selected from the top 100 journals by our in-house team of chemists
- RxnFinder is updated fast, with new reactions added within weeks of publication, instead of months
- Only modern chemistry covered, with reactions from 1990 to the present
- 70,000 new reactions added every year
- Search by structure, substructure, reaction type
- Search by experimental conditions: reagent, solvent, yield
- Search by bibliographic data: author, journal, publication year
- More than 40,000 failed reactions (yield: 0%) are indexed, helping you spot potential dead ends.

NARROW YOUR SEARCH RESULTS BY APPLYING FILTERS

In addition to yield, RxnFinder results include stereochemistry and enantiomeric excess, so you don't always have to look up the original paper to decide if the chemistry applies to your reaction. And, you can filter by yield, year published, catalyst, environmental friendliness, and more.

CONTACT US TODAY FOR A 30-DAY FREE TRIAL.

NO downloads.
NO software to install.
NO credit card required.

Register now and for 30 days you'll have full access to all the features of RxnFinder, including the complete database of 1.7 million curated reactions. Don't waste your time with reactions that only work on paper. Try RxnFinder today, and start finding chemistry that works.

Email our RxnFinder Sales Specialist Marion Schumacher at maschumach@wiley.com for your free trial and to schedule a demo.

WILEY-VCH

WILEY