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SACI NEWS

Inside this issue:

President News	2	2014 is already one month along and by now most members are back at work or at
Advertising	3	University. This year the SACI events looming on the horizon include Analatika
SACI scarfs and ties		2014, BOCC 2014 and the IUPAC Green Chemistry event. So most chemists in
SACI Section News	4	South Africa will find an event to attend locally that will appeal to them! The
SACI2014 Awards	7	nominations for SACI awards has commenced – so please ensure that nominations
ACS News	11	are received, and in time. It is worth pointing out that the top student from EVERY
IUPAC/PACN News		Higher institution in SA could be eligible to receive a James Moir Medal – but the
RSC News	12	Institution must nominate the student. So students who are eligible – chase your
SAQA Update	15	Heads of Departments!
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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
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Presidents News



ACI wishes you a happy and wonderful 2014 in your professional and personal life!

Last year ended with a well-attended, very enjoyable National Convention in East London and I wish to thank the organising committee and the participants for a very productive meeting. The Walter Sisulu University, supported by other universities of the Eastern Cape, attracted and hosted leading scientists from abroad, had a strong representation of local researchers from all institutes and a number of distinguished guests from the public domain. The convention was opened by the Minister of Science and Technology, Dr Derek Hanekom, and at this meeting the SACI gold medal of 2012 was awarded to Prof Tebello Nkoyong (Rhodes University) and the gold medal of 2013 to Prof Bert Klumpermann (University of Stellenbosch). Many students presented their work orally and as posters.

Membership issues: One of our priorities for 2014 is to try and make the South African Chemical Institute more attractive for our postgraduate students and get them involved in SACI matters on all levels. The matter to consider student representation on all SACI committees was discussed at an EXCO meeting in August 2013. The possibility of having a student representative from each institute of higher learning in South Africa acting as a contact person was proposed. In each region, these students will then elect an institutional representative to become a member of that regional committee. The regional student members will again elect a representative to the SACI council. This will enable SACI to have direct contact with all our postgraduate students through their representatives and effective communication on all levels. We hope to fast track this process by engaging Heads of Departments and SACI Regional Committees. Ideally we would like to have the structure in place before our next council meeting in 2014. This matter has also been raised at the Young Scientist Symposium of Gauteng at UJ, November 2013 and after the convention in East London. (Student from Rhodes at Convention: *"I just wanted to find out, if you know; why does SACI not have a social media presence. By this, I mean Twitter or Facebook or Youtube etc. I feel that the conference could have generated a whole lot more interest around the country had these platforms been available."*). The support of the heads of departments and chairpersons of regional committees are essential for the successful implementation of student representation. Ideally, and for good continuity, the student should be a leading researcher in his early PhD studies.

Prof Simon Lotz, SACI President



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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).

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SACI Section/Division News

1) ThermSA

The ThermSA division of SACI will be participating in the Analitika 2014 conference from 7-11 September 2014 (see the attached First Announcement). We hope to have a number of papers in the field of thermal analysis. If there is enough interest we might even have a session (or sessions) devoted to Thermal Analysis. We are also trying to secure a distinguished international thermal analysis scientist as a plenary speaker. If you are interested in presenting or attending, please interact with the organisers via the website <http://www.analitika2014.co.za>.

Please forward this message to anybody else who might be interested.

Regards,

Kobus Wagener, Chairperson: ThermSA

2) Green Chemistry Division

NEW SACI GREEN DIVISION COMMITTEE

At the recent SACI convention held in East London, a new Green Chemistry Division Committee was selected. Listed below are the committee members together with a brief vita of each.



Rosa Klein (Rhodes), Chair.

Senior Lecturer. My research interests are focussed on the development of synthetic methods toward the preparation of heterocyclic compounds with medicinal potential, particularly in the area of HIV. We aim to use catalytic methods wherever possible, greener solvents and solvent free reactions, and microwave assisted synthesis and will soon start developing methods adapted to flow-chemistry.

Email: r.klein@ru.ac.za

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SACI Section/Division News



Werner van Zyl (UKZN), Vice-Chair.

Associate Professor. Research speciality in area of Inorganic Chemistry and -Materials especially Group 11 metals and P/S based ligands and nanocomposites with interest in Green- and sustainable Energy chemistry.

Email: vanzylw@ukzn.ac.za



Rui Krause (Rhodes), Secretary

Professor in the Department of Chemistry at Rhodes, Research in Medicinal Organic Chemistry and Nanomaterials, especially green-chemistry approaches to the synthesis and use of nanomaterials.

Email: r.krause.ac.za



Vincent Nyamori (UKZN), Treasurer

Academic Leader and Senior Lecturer. Past Chair for the Green Chemistry SACI Division. Research interests involve the utilization of novel approaches for synthesis by applying alternative *greener* methods. Organometallic reactions with a focus on the use of *ionic liquid* as reaction media or organometallic solventless or solvent-free reactions. He also has an interest in sustainable energy through nanotechnology.

Email: Nyamori@ukzn.ac.za

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SACI Section/Division News



Philip Labuschagne (CSIR), Industry

Project leader – encapsulation within CSIR. Research focused with objectives to find pharmaceutical solutions to Southern African and African specific diseases using supercritical CO₂ encapsulation processes - and also to expand the use of supercritical CO₂ encapsulation technologies in South Africa. The CSIR undertakes directed research and development for socio-economic growth.

Email: plabusch@csir.co.za



Alufelwi Tshavhungwe (DST), Government

Deputy Director: Chemicals and Related Services Unit

Department of Science and Technology, Pretoria. Area of work: Public policy

Email: Alufelwi.Tshavhungwe@dst.gov.za



Martin Onani (UWC) Executive committee member.

Associate Professor in Inorganic Chemistry. Lecturer and researcher in Materials, Organometallic chemistry and catalysis aimed at utilizing green techniques. Involved in the DST/MINTEK National Nanotechnology Innovation Centre Biolabels Platform of the University of the Western Cape (UWC). Also involved in the DST MSc nanoscience hosted by the UWC.

Email: monani@uwc.ac.za

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2014 SACI Award Nominations

For recognition of achievements in 2013.
See SACI webpage for nomination forms

THE JAMES MOIR MEDALS

The medals shall be known as **The James Moir Medals of the South African Chemical Institute**. The medals are struck in bronze, and bear the Institute's name and crest on the obverse, and the name of the medal together with the name of the recipient and the date on the reverse. Medals shall be awarded to the best BSc Honours student in chemistry at each University and University of Technology. **To be eligible for the award the student must have achieved a minimum final pass mark of 75%**. One medal shall be available for award annually for each University and University of Technology in the Republic of South Africa. The medal shall be accompanied by a suitably inscribed scroll.

PROCEDURE FOR NOMINATION/APPLICATION

The merits of the work of candidates may be brought to the notice of the Council by the Heads of the Departments of Chemistry who desire to recommend

THE GOLD MEDAL

The medal shall be known as the **Gold Medal of the South African Chemical Institute**. The medal is gold-plated, and bears the Institute's name and crest on the obverse, and the name of the medal, together with the name of the recipient and the date on the reverse. The award shall be made to a person whose scientific contributions in the field of chemistry or chemical technology are adjudged to be of outstanding merit. The medal shall be accompanied by a monetary award to the value of R5000, together with a suitably inscribed scroll.

THE RAIKES MEDAL

The medal shall be known as **The Raikes Medal of the South African Chemical Institute**. The medal is gold-plated, and bears a likeness of Humphrey Rivaz Raikes with his name on the obverse, and candidates (nominations).

Nominations should be received by the Institute not later than 31 March 2014.

The Council may at its discretion suspend any or all of these awards in any year in which there are no suitable candidates.

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2014 SACI Award Nominations

the Institute's name and crest, and the name of the recipient and the date on the reverse. The award shall be made to a person, under the age of 40 on 31 December proceeding the year of the award, whose original chemical research shows outstanding promise, as judged by the person's publications in reputable journals. It is further stipulated that the research shall have been performed in South Africa. The medal shall be accompanied by a monetary award to the value of R2500, together with a suitably inscribed scroll.

THE CHEMICAL EDUCATION MEDAL

The medal shall be known as the **The Chemical Education Medal of the South African Chemical Institute**. The medal is struck in silver and bears the Institute's name and crest on the obverse, and the name of the medal, together with the name of the recipient and the date on the reverse. The award shall be made to a person who has made an outstanding contribution to chemical education, as judged by the person's published work in the previous five years. Published work may be in any form and may be related to any level or educational context. The medal shall be accompanied by a suitably inscribed scroll.

THE SASOL CHEMISTRY INNOVATOR OF THE YEAR MEDAL

The medal shall be known as **The Sasol Chemistry Innovator of the Year Medal**. The medal is gold-plated, and bears the SASOL logo together with the inscription "Chemistry Innovator of (the year)" on the obverse and the Institute's name and crest and the name of the recipient on the reverse. The award shall be made to a person whose scientific contributions in the field of chemistry or chemical technology during the year preceding the award are adjudged to be outstandingly innovative. The award shall comprise, in addition to the medal a monetary award to the value of R20000, together with a suitably inscribed scroll. The recipient of the award shall be known as the "SASOL Chemistry Innovator of the Year". Past medalists are ineligible for nomination for a second award of the medal. Any member of the Institute may submit nominations for the award. The person submitting the nomination shall supply the following information:

1. A complete curriculum vitae of the candidate, detailing all academic achievements.
2. A motivation from at least two persons detailing why the nominee should be considered the most innovative chemist during the year under consideration.
3. Any relevant supporting documentation that may assist the Awards Committee in reaching a decision.
4. A draft outline of a citation, including personal information about the candidate, for possible use at the presentation ceremony.



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2014 SACI Award Nominations

The nominations for the Award shall be sent by the Awards Committee (SACI) to at least two former recipients of the Gold Medal of the South African Chemical Institute and two representatives nominated by SASOL. The recipient of the Award shall be required to deliver the SASOL Chemistry Innovator of the Year Lecture during the presentation ceremony, on a suitable occasion determined by the Council in consultation with the relevant Section Committee. Wherever practicable, the presentation ceremony and lecture shall take place during a Convention. The recipient of the Award shall be required to prepare a written form of the SASOL Chemistry Innovator of the Year Lecture, or a review based upon the subject of the lecture, for publication by the Institute/Sasol.

THE SASOL POST-GRADUATE MEDALS

The medals shall be known as the **Sasol Post-Graduate Medals of the South African Chemical Institute**. The medals are struck in silver, and bear the SASOL logo on the obverse, and the Institute's name and crest, together with the name of the recipient and the date on the reverse. The medals shall be awarded to students engaged in research towards a MSc or PhD degree at a South African University, or a MTech or DTech degree at a South African University of Technology. The number of medals awarded shall not exceed five per annum, and the awards are limited to one per institution. The recipients of the award shall be known as The Sasol Post-Graduate Medalists. Past Sasol Post-Graduate Medalists are not eligible for nomination for a second award of the medal. The medal shall be accompanied by a monetary award to the value of R2000, together with a suitably inscribed scroll.

The persons nominated should be considered as being "young innovative chemists". The characteristics of such a person are:

1. Innovation.
2. Independence.
3. Enterprise.

The selection criteria applicable to the award are:

1. Has the candidate done something worthy of admiration in the experimental field (e.g. a new, noteworthy, experimental design)?
2. Has the candidate communicated the experimental results in any useful way (in printed form, or at conferences or symposia)?
3. Does the candidate have a broad appreciation of the role and context of chemistry as a science?

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2014 SACI Award Nominations

4. Does the candidate play a productive role in his/her chemistry department?

The persons submitting the nominations shall supply complete curricula vitae of the candidates, detailing all academic achievements. The group of people nominating a candidate must be able to assess the impact the nominee has made in his/her department. Hence a combined process of peer and supervisor review should inform the selection of the candidate. In addition to the backing of the supervisor, the candidate shall require the support of at least one other member of staff of the Department. The candidate must also enjoy the support of a number of fellow post-graduate research students. All the support for a candidate must be submitted in writing. The endorsements should mention how the candidate reflects the qualities enumerated in the list above. Final endorsement may reside with the Head of Department, where appropriate.

PROCEDURE FOR NOMINATION/APPLICATION

The merits of the work of candidates may be brought to the notice of the Council either by persons who desire to recommend candidates (nominations) or by the candidates themselves (applications).

Nominations and applications should be received by the Institute not later than 31 March 2014. Applicants must provide a list of publications, and/or non-confidential internal reports and other appropriate information in support of the application, together with curricula vitae detailing all academic and professional achievements. **In the case of the Raikes medal three reprints each of those publications considered to represent the candidate's most significant work must be submitted.** In the case of the Chemical Education Award copies of the publications to be considered, together with any explanatory or supporting material, must be submitted.

Each nomination or application should include the names of two persons with knowledge of the candidate's work, to whom reference may be made by the Institute.

The Council may at its discretion suspend any or all of these awards in any year in which there are no suitable candidates.

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ACS News

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.

IUPAC/PACN news

PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for life

Project call for application

This is to kindly notify you on "PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life" project. This Project, is sponsored by PhosAgro, a Russian industrial company that is the largest producer of phosphate-based fertilizers in Europe. UNESCO is the executing body, and the Project is being carried out in close cooperation with the International Union of Pure and Applied Chemistry (IUPAC).

In essence, this is a five-year Project that is designed to harness talents of young scientists for the advancement of green chemistry and the use of its fruits, and focuses on awarding grants (up to US\$30,000/grant) to young scientists for research projects in green chemistry that may be completed in one year. Applicants may not be older than 35 and need to have a PhD or equivalent in chemistry or an interdisciplinary allied area. There will be one call for applications in each of the five years of the Project, and the deadline for the first call for applications is 28 February 2014. Full information on the grants and guidelines on how to apply may be downloaded from UNESCO's web site from the following url address: <http://www.unesco.org/new/en/natural-sciences/science-technology/basic-sciences/chemistry/green-chemistry-for-life/>

Erick O. Awas, Administrator, PACN Kenya

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RSC News

Recognition for Ian Bratt

Ian Bratt, Plant Manager in the Platinum Metals Refineries, recently received an award from the Royal Society of Chemistry (RSC). Ian was nominated for an "Award for Service to the RSC" in recognition for his promotion of Chemistry in South Africa.

Ian emigrated to South Africa from the U.K. in September 1981 when he joined Impala Refineries as a Development Chemist. The then Refineries Laboratory Manager, Dr. Barry White, was on the committee of the newly formed Transvaal section of the Royal Society of Chemistry. Ian was invited along to a meeting and he has served on the committee ever since.

He is currently Chairman of the renamed RSC South Africa North section and has previously served as Secretary and Treasurer as well as a previous spell as Chairman. Ian explains "I have always been passionate about Chemistry and being involved with the local branch of the RSC is a chance to get young people more involved in the subject. A lot of our work is promoting Chemistry in schools and universities to encourage students to study the subject thus ensuring that we produce sufficient Chemists for the future."

"Although we are a very small local section with less than 100 members, we make the most of the annual grant which we receive from the RSC UK. We have developed a partnership with the Sci Bono Science Centre in Johannesburg. A few years ago the RSC sponsored the Emasondosondo Chemistry Bus. This bus regularly visits schools in Soweto providing practical chemistry teaching which would otherwise not be available to the students.

Through Sci Bono, the section has donated Chemistry textbooks to local schools and also sponsored lectures at Sci Bono and activities at their in-house teaching laboratories. Visitors to the Sci Bono centre can see and interact with a gigantic periodic table of the elements which was also sponsored by the section.

Other activities of the section include sponsoring prizes for poster sessions at local Chemistry conferences, special chemistry prizes at the Eskom Science Expo and prizes for the SACI Young Chemists symposia. The section also donates textbooks to University Chemistry departments and sponsors students to attend local Chemistry conferences."

The RSC SA North section received the RSC President's award in 2012 as recognition for their activities in promoting Chemistry. However, this recent award recognised Ian's personal contribution to the RSC, to the section and to Chemistry in South Africa over a period of 30 years. Ian received his award, which consisted of a medal and certificate, from RSC President, Professor Lesley Yellowlees. The ceremony was part of the RSC General Assembly which was held in Brighton in November.

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RSC News

Impala Refineries is well-represented on the committee of the RSC South Africa North section. Suzanne Finney, Base Metal Laboratory Manager, is currently the Treasurer whilst Noah Halwindi, Senior Chemist BML, is also a committee member.



Ian Bratt and RSC President, Professor Lesley Yellowlees

International Delegates Day and RSC General Assembly

Ian Bratt, Chairman of the Royal Society of Chemistry, South Africa, North section was recently invited to attend the annual RSC General Assembly. The meeting is a chance for RSC local representatives and Division Chairs, to get together with RSC personnel and Executive members, to discuss all aspects of RSC policy and activities.

The meeting was held in Brighton, on the English South Coast on the 8th and 9th of November. It was attended by some 200 RSC members from all over the UK together with sixteen international delegates from all over the world. The RSC has 48000 members around the world and local sections exist in many countries including South Africa. The RSC South Africa North section covers Mpumalanga, Limpopo, Kwa Zulu Natal, Northwest and Gauteng whilst the RSC South section covers the three Cape Provinces.

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RSC News

The day before the General Assembly, the International Delegates met at Burlington House, the headquarters of the RSC situated in Piccadilly, London. Representatives from Saudi Arabia, Ghana, USA, Nigeria, Chile, Hong Kong, China (x2), Singapore, South India, Pakistan, Belgium, UAE, Sri Lanka, Tunisia and South Africa North made presentations on their section activities. Interestingly, despite being one of the smallest sections, at least in terms of numbers if not geographically, the South Africa North section is one of the most active International sections.

Ideas were exchanged, especially on how some of the newer sections (Singapore, Ghana, Tunisia, Nigeria and Chile) could increase their activities. Common problems were also discussed including high membership fees, the difficulty of some countries to pay money overseas, and methods of communication with RSC members and between the sections and the RSC in the UK.

At the General Assembly itself, delegates focussed on future direction of RSC activities. Parallel discussions were held on Community and outreach projects, Member engagement, Development of skills and Sharing of knowledge. There was also an opportunity for local section representatives to discuss common problems and issues. Despite the RSC being much larger than the South African Chemical Institute and being a huge organisation with many full-time staff, there are many lessons to be learned from the way RSC is tackling issues related to the Chemical Sciences. Members of SACI do enjoy some of the benefits of RSC membership through a joint agreement between the organisations. You can learn more about the RSC and its activities from its website www.rsc.org. For information about local activities you can contact Ian Bratt ian.bratt@implats.co.za (SA North) or Alan Hutton Alan.Hutton@uct.ac.za (SA South).



International RSC delegates outside Burlington House, London (Can you spot Ian Bratt? – our local RSC Chair and SACI member)



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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.

African Journals of Chemistry

African Journal of Pure and Applied Chemistry

The latest version (December 2013 - **Vol. 7 Num. 12**) is now available: ajpac@academicjournals.org

South African Journal of Chemistry

This Journal is published electronically. The webpage is: <http://www.saci.co.za/>

CAIA Newsletter

The latest issue of CAIA news i.e. **Issue 131 November 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

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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
- 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	● Metabolomics / proteomics
● Environmental analysis	● Sampling techniques
● Food analysis	● Spectroscopy
● Mass spectrometry	● 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.

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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



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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

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SACI and SACI related Conference events

Others

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

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Extra Events (taken from CAIA newsletter)

- 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
- Introduction to Environmental Management – An Overview of Principles, Tools and Issues, 3-7 March 2014, North-West University (Potchefstroom Campus). Contact: Theresa Bowen, Tel: 018 299 2714; Fax: 018 299 2726; E-mail: ceminfo@nwu.ac.za
- Implementing Environmental Management Systems, 31 March – 4 April 2014, North-West University (Potchefstroom Campus). Contact: Theresa Bowen, Tel: 018 299 2714; Fax: 018 299 2726; E-mail: ceminfo@nwu.ac.za
- Environmental Impact Assessment: A Practical Approach, 31 March – 4 April 2014, North-West University (Potchefstroom Campus). Contact: Theresa Bowen, Tel: 018 299 2714; Fax: 018 299 2726; E-mail: ceminfo@nwu.ac.za
- International Congress on Green Process Engineering, 7-10 April 2014, Sevilla, Spain. Contact: Pedro Lozano, E-mail: plozanor@um.es
- Handling, Storage and Transportation of Dangerous Goods and Hazardous Substances 7-11 April, 2014, North-West University (Potchefstroom Campus). Contact: Theresa Bowen, Tel: 018 299 2714; Fax: 018 299 2726; E-mail: ceminfo@nwu.ac.za
- An Introduction to Waste Classification in South Africa: Towards Implementation of the National Environmental Management Waste Act, 14-15 April 2014, North-West University (Potchefstroom Campus). Contact: Theresa Bowen, Tel: 018 299 2714; Fax: 018 299 2726; E-mail: ceminfo@nwu.ac.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



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Extra Events (taken from CAIA newsletter)

- Integrated Water Resource Management in the Context of SA Legislation, 5-9 May, 2014, North-West University (Potchefstroom Campus). Contact: Theresa Bowen, Tel: 018 299 2714; Fax: 018 299 2726; E-mail: ceminfo@nwu.ac.za
- Occupational Health & Safety Management System OHSAS 18001 Audit: A Lead Auditor Course based on ISO 19011 and ISO 17021, 5-9 May, 2014, North-West University (Potchefstroom Campus). Contact: Theresa Bowen, Tel: 018 299 2714; Fax: 018 299 2726; E-mail: ceminfo@nwu.ac.za
- The International Conference on Pure and Applied Chemistry, 23-27 June 2014, Hotel Softel Mauritius Imperial Resort & Spa, Mauritius. Contact: Professor Ponnadurai Ramasami, Chairman of ICPAC 2014, E-mail: icpacmru@gmail.com



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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:

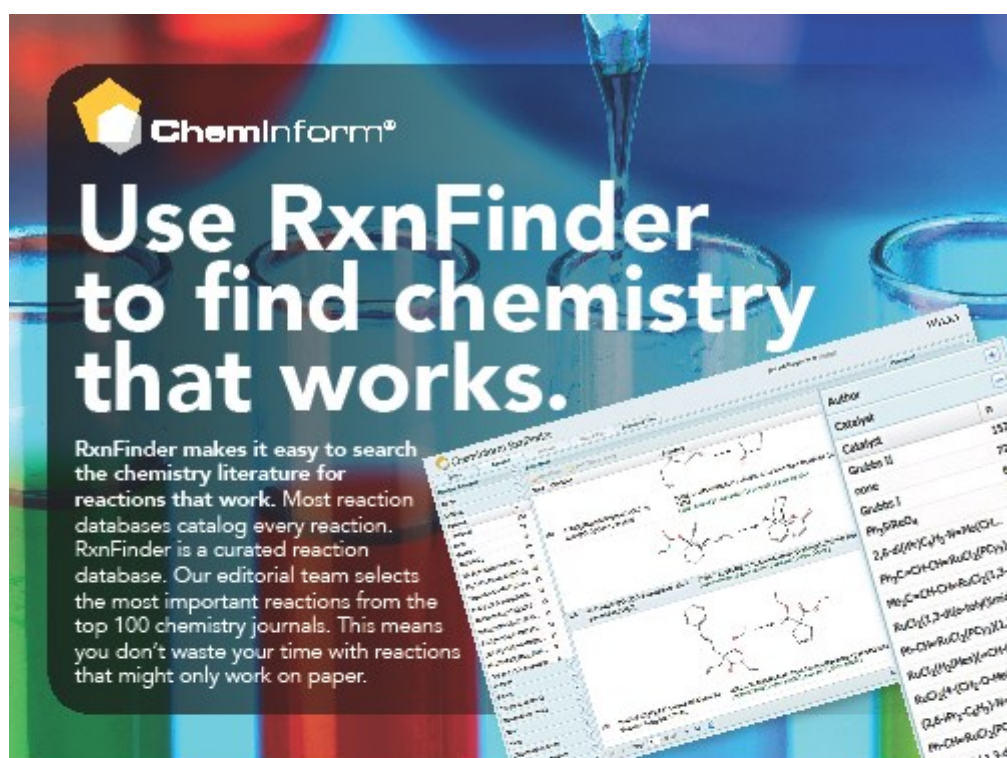
- Successful applicants must register for full-time doctoral study in the Science Faculty, University of Cape Town;
- Successful applicants must comply with the University's policies, rules and procedures;
- Successful applicants must enter into and adhere to a bi-lateral Memorandum of Understanding 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

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