



The CATSA Bulletin – 2017

The official newsletter of the Catalysis Society of South Africa

149-462 NPO

Kwa Maritane Bush Lodge, South Africa, November 2017

Issue III

Welcome to CATSA 2017

On behalf of the Organising Committee of this conference, I would like to extend a warm welcome to all delegates to the CATSA2017 conference at Kwa Maritane Bush Lodge. This year marks 28 years of CATSA.

The success of any conference is determined by the quality of what the delegates put in, as well as what they can get out of the event. To this end we have invited experts in key areas of catalysis to join us as plenary and keynote speakers. In line with the long-standing CATSA tradition of rewarding international excellence in catalysis, the recipient of the CATSA2017 Eminent Visitor Award is Prof. Krijn P. de Jong from the Utrecht University in the Netherlands. He will give his series of institutional lectures at strategic institutions across the country in the week preceding the conference. The committee has tried to put in place a conference programme that reflects the diversity of activities within SA, comprising both academic and industrial speakers. We have also tried to have as many oral presentations as possible given by younger members of the scientific/engineering community (*mostly postgraduate students*).

Social events are also central to the success of a conference. Delegates are therefore encouraged to meet with their colleagues at the poster presentations, meal times, at the Banquet and, of course, at the Poretch Challenge. The latter is also among the many traditions of CATSA conferences, with chemists and chemical engineers competing in a sporting event!

A conference of this magnitude cannot be possible without financial support. Therefore, I wish to acknowledge and thank all our sponsors (both new and veteran). To all of them: *“Your support is greatly appreciated”*.

Last, but not least, I need to thank the committee members for the hard work they have put in organising this event. Special thanks are due to Martinet Pretorius and Charles Noakes, who worked tirelessly throughout the organisational stages to make a successful conference. I wish you a very happy and memorable CATSA2017 conference.



Prof Peter Mokhonoana (UL), the Chairman of the 2017 annual CATSA Conference.



Prof Krijn P. de Jong (Utrecht University)

*Peter Mokhonoana -
Conference Chair CATSA 2017*

From the Chairman of CATSA

Dear delegate of the 28th annual national conference of the Catalysis Society of South Africa. By attending the conference you are automatically member of this Society for the coming year, a growing, vibrant Society which brings together researchers from South Africa, Africa and the world to discuss jointly the mutual interest in catalysis in all of its forms.

Since our last conference in 2016 in the Drakensberg we did not sit idly but worked hard to cope with the challenge to run a VAT registered Non Profit Organisation. In the last year we had for the first time to adhere to tax legislations and file out VAT returns timeously every two months. At this stage I need to express my sincere thanks to the treasurer of CATSA JV Fletcher and the former CATSA treasurer Stephen Roberts as well as the organizing committees of the conferences who provided the necessary information when requested.

We are still grappling with the new status and the times of CATSA being an informal club of catalysis researchers are certainly gone. A dedicated group of people giving up their time to run the Society is required and we/you can be glad that we have such members. A big thank you to the members of the CATSA committee.

Thanks god we did not only deal with financials and tax laws, but had once again the opportunity to support the up and coming researchers amongst us to attend international conferences. Ten students were supported to attend the first ever Faraday Discussion on The African Continent in Cape Town and further students presented their work at conferences in the US (NAM and ISE) and Italy (Europacat). Providing these opportunities is the main purpose of CATSA. Reports on their experiences can be found in this newsletter.

Continue on page 2

The CATSA Committee 2017

During the Annual General Meeting of the Society, held during the 2016 annual conference, new members to the 2017 CATSA Committee were elected for a two year term. The new committee is as follows:

Chairperson | Nico Fischer (UCT)
Secretary/Treasurer | Jack V Fletcher (UCT)

2017 Conference Chair | Peter Mokhonoane (UL) co-opted
Media Officer | Cornie van Sittert (NWU)

Student Representative | Sandeeran Govender (UCT) co-opted

Stephen Ojwach (UKZN)
Gary Patrick (Mintek)
Selwyn Mapolie (US)
Dean Brady (WITS)
Masikana Mdleleni (PetroSA/UWC)
Holger Friedrich (UKZN)
Linda Jewell (UNISA)
Francois du Toit (Clariant) co-opted
Gregory Govender (SASOL) co-opted
Stephen Roberts (UCT) co-opted

In a society of about 250 members it unfortunate that sometimes we also have to deal with losses. This year two members of CATSA passed on, Mr R. Molose, a MSc student from Wits and last year's poster award winner and Prof B. Zeelie from NMU and InnoVenton. We will certainly keep them in our thoughts.

Lastly, let me take the opportunity to welcome formally Prof de Jong as this year's eminent visitor. To invite prominent researchers to our annual conference is a further commitment of the Society to allow researchers and students to interact with other views. So please, take the opportunity and discuss your projects with Prof de Jong, ask for his comments and build on the platform CATSA is providing

In closing I wish you all a great conference 2017 and surely speak for all of us when I extend my thanks to this year's organization committee.

Nico Fischer - Chairman CATSA

CATSA 2016

The 2016 CATSA conference was held at the Champagne Sports Resort. The eminent visitor, Prof Peter Wasserscheid from the Friedrich-Alexander University Erlangen-Nürnberg (Germany) delivered the opening presentation and focused on hydrogen storage solutions using LOHC materials. The important catalytic reactions in these solutions are typically hydrogenation and dehydrogenation reactions. Prof Wasserscheid is well known to the South African catalysis community and is known for his ionic liquid phase immobilization of homogeneous catalysts, as well as chromium based oligomerization and energy storage solutions. Prof Wasserscheid also has collaborations with a number of South African academics as well as Sasol Research. Prof Wasserscheid had a very successful tour of the country in December 2016. The conference had an international flavor with presenters from Germany, the Netherlands, Bulgaria and off course South Africa.

The social program was a great success with the Poretch challenge being a CSI type of investigation. During the evening program, Clemour Ngobeni, a finalist at 'the voice' of South Africa, entertained the conference delegates. In addition, those delegates who like golf were treated to one of the best golf courses in the country.



Prof Peter Wasserscheid (University Of Erlangen-Nuernberg in Germany). the Eminent Visitor at CATSA 2016

Reinout Meijboom - Conference Chair CATSA 2016

Outlook CATSA 2018

The 29th annual conference of the Catalysis Society of South Africa will take place from 11 to 14 November 2018 at Legend Golf & Safari Resort. The Resort is situated within the Big 5 Entabeni Safari Conservancy in the malaria-free, Waterberg region of the Limpopo Province. The conference is hosted by North-West University. The venue is about 260 km from Johannesburg and 200 km from Pretoria. The venue can accommodate about 300 delegates.

The eminent visitor will be Prof. Gregory Jerkiewicz (Queen's University, Canada)

Cornie van Sittert - Conference Chair CATSA 2018



Prof Gregory Jerkiewicz (Queen's University, Canada)



Prof Cornie van Sittert (NWU), the Chairperson of the 2018 annual CATSA Conference.

Student travel grants 2017

The Catalysis Society of South Africa offers every year a number of travel grants to students based at a South African institution to support attendance of local or international conferences. The grants are awarded based on a competitive application reviewed by the Committee (for more information see <http://www.catsa.org.za/awards/student-travel-awards>). In 2017 several grants were awarded. As part of the award the students are requested to share their experience and gathered insights at the attended event with the Society.

Faraday Discussions, Catalysis for Fuels, Cape Town, South Africa, January 2017

The Faraday Discussions was a completely unique experience in comparison to the conventional conference I (Dayle Nel) have come to know. A large focus is placed on the intense discussion and debate of the papers being presented; this allows for not only the presentation of new research but also a reflection into the hardship and challenges which come with new discoveries. This experience was a revelation for me into the complexities that can come with catalysis research.

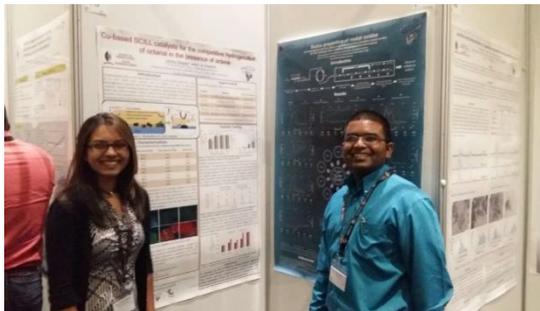
The introductory lecture by Enrique Iglesia from the University of California, Berkeley, displayed a thorough overview of catalysis for fuels and set a good tone for the whole conference. Each session was filled with high calibre research and it was valuable to learn about the progress and challenges in several areas of catalysis research from modelling to novel catalysis design. As my MSc is based on hydrocracking and using zeolites to do so, I found the third session the most valuable with the theme, 'hydrocarbon conversion in the production of synthetic fuels'. The last papers which worked specifically with zeolites, presented some very insightful research into the capabilities and limitations of zeolites in hydrocarbon conversion.

Continue on page 3

Lastly, the main highlight was a very insightful closing lecture by Philip Gibson from Sasol, South Africa. Connecting industry needs with research being conducted at universities was a general theme of the presentation. This was highly relevant and useful as it made me think very carefully about how my research ties in with industrial application.

I (Letisha Deeplal) am a PhD student at the University of KwaZulu-Natal. I attended the Catalysis for Fuels: Faraday Discussion held from 24th to the 26th January 2017, Cape Town where I presented a poster on my research titled “Cu-based SCILL catalysts for the competitive hydrogenation of octanal in the presence of octene”. The conference has a unique layout where we were able to read the work before it was presented, providing more time to discuss the work in addition to presenting the main findings. It was interesting to see the dept of discussion reached during the presentations. There were 23 presentations that were split into four themes over the course of the conference, which focused on different aspects of designing and application of catalysts, towards catalysts for fuels. Fischer-Tropsch catalysis was a prominent topic overall, with many systems using cobalt based catalysts. A few of the presentations that I enjoyed during the conference were by Matt Neurock, “Theoretical insights into the sites and mechanisms for base catalysed esterification and aldol condensation reactions over Cu” and Simon Kondrat, “The effect of sodium species on methanol synthesis and water-gas shift Cu/ZnO catalysts: utilising high purity zincian georgeite”. These presentations used copper-based catalysts which is relevant to my own research interests. The conference was well-organized and the poster session split over two days allowed for a greater interaction and discussion amongst the attendees.

I (Drushan Padayacheel) was given the opportunity to attend the 2017 Faraday Discussions held in Cape Town earlier this year. This conference exposed me to state of the art research in the field of heterogeneous catalysis. The knowledge and experience gained was invaluable and has allowed me to become a better-rounded scientist. I was able to return to my research group and pass on the material discussed, thereby enhancing their research abilities. I was selected to present a poster and give a lightning talk just before the poster session. The lightning talk allowed me to briefly showcase the work summarised in my poster, giving me exposure to the experts in the field. I would like to thank CATSA for awarding me a travel grant, which allowed me to attend this conference.



Faraday Discussion are highly in-dept and informative meetings, hosted by the Royal Society of Chemistry, to discuss new, innovative research and debate various aspects scientific investigation in chemistry research. The Catalysis for Fuels Faraday Discussion was the first meeting of this type to be held in Africa, held in the beautiful city of Cape Town. I (Kershen Naicker) was fortunate enough to be sponsored by CATSA to attend this event. The conference consisted of various sessions, where papers that were submitted earlier were presented for 5 minutes and then discussed in detail for a much longer period. These discussions proved very insightful to a young researcher like myself, who got to see and recognize the fundamental thought process and in-dept understanding behind the papers discussed. Another important aspect was the afternoon poster sessions. International researchers could provide me with key input and different perspective into my research, which has proven very helpful for my PhD studies. This would not have been possible if I had not attended this conference and I would like to thank CATSA for providing me the funding to make this possible.

Moritz Wolf (UCT) received the *CATSA Student Travel Grant* for winning *The Clariant Best Student Oral Award* at the *Catalysis Society of South Africa (CATSA) 2016 Conference* (Drakensberg, South Africa, 6th-9th December 2016) in order to attend the *Faraday Discussions – Catalysis for Fuels* in Cape Town, South Africa, from the 24th-26th January 2017.

Moritz was the main author of one of the accepted papers, which was presented by Prof. Michael Claeys, the director of c*change (*DST-NRF Centre of Excellence in Catalysis*). He further presented a poster entitled ‘Size controlled preparation of monodisperse and highly crystalline Co₃O₄ nanoparticles in absence of surfactants’, which he summarised in a 30 s lightning presentation preceding the poster session. Moritz attracted the attention of numerous conference delegates and his poster was awarded a poster prize at the conference banquet.

The conference was dedicated to four themes: ‘Catalysts for Fuels insights from theory’, ‘Designing new catalysts for synthetic fuels’, ‘Hydrocarbon conversion’, and ‘Novel photocatalysts: do they provide a viable option?’. The conference has a special format where research papers from invited researchers and selected abstracts are distributed to all participants before the meeting, while most of the meeting is devoted to discussing the papers, i.e. three papers are shortly introduced in 5 min presentations, followed by a 20 min discussion on each paper and a discussion on a broader scope closing each session. All delegates may contribute to the discussion, which includes presentation of their own relevant research. The research papers and a citable record of the discussion are published in the journal *Faraday Discussions*. All participating delegates become author of this record.

Continue on page 4



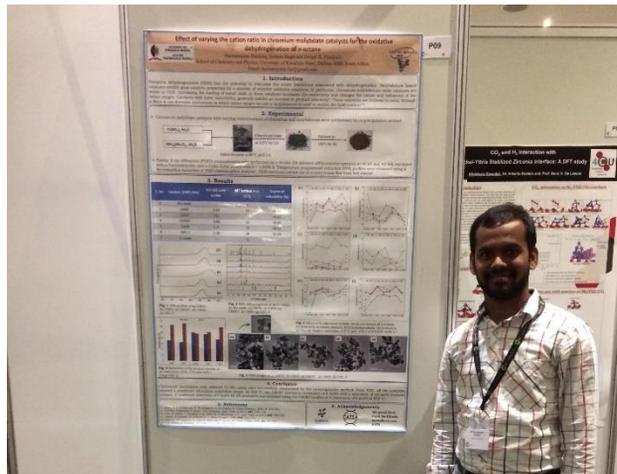
Prof. Enrique Iglesia (University of California, Berkeley, United States), the opening speaker of the conference, gave an excellent overview on the topic of the conference 'Catalysis for Fuels'. The second part of the first session showcased the powerful format of this conference: three micro-kinetic modellers of the Fischer-Tropsch synthesis presented their work. In the beginning, the intensive discussion was focussing on the differences between the drawn conclusions, while the three speakers were defending each other when they felt attacked by a delegate at a later stage. The discussion was driven by facts, not by emotions, and all the delegates got captivated by the intensity of the discussion. However, the format only works if the topics of the three papers are close to each other. After 2.5 days of discussing papers and two poster sessions, Philip Gibson (Sasol) closed the exceptional first *Faraday Discussions* on the African continent with his interesting and valuable concluding remarks.

On the 24th of January 2017, I (Lerato Mokoloko) received an amazing opportunity to attend the annual Faraday Discussion which was held at the beautiful Lagoon beach hotel in Cape Town, South Africa (S.A). Faraday discussions are one of the most prestigious conferences in the world which not only give scientists and science students a platform to share their scientific knowledge and ideas but also offer them a chance to publish their collaborative work on the Royal Society of Chemistry (RSC) journal. This conference has been held across continents in various countries such as UK, India and Japan. This year the conference was held in South Africa for the very first time.

The conference proceeded for 3 days. In these 3 days we had presentations and discussions categorised into 4 main groups including Catalysis for fuel, designing new catalysts for synthetic fuels, hydrocarbon conversion in the production of synthetic fuels and novel photocatalysts. The presentations showcased remarkable scientific work and sparked intense discussions at the end of each session. Of all the sessions, I thoroughly enjoyed the second session which was based on designing new catalysts for synthetic fuels. The highlight from this session was a presentation given by Mr Marien Bremmer from Leiden University (The Netherlands). His talk was based on "***In situ* TEM observation of the Boudouard reaction: multi-layer graphene formation from CO on cobalt nanoparticles at atmospheric pressure**". It was interesting to see how metallic cobalt can be manipulated at nano-scale.

The first 2 days were concluded with a poster presentation, which I took part in. The poster presentations offered students and other researchers a chance to showcase and discuss their research works in a more interactive way. I presented my poster which was titled "**The Effect of Metal to Support Interactions between a Cobalt catalyst and Carbon Dots (Cdots) in Cobalt Fischer-Tropsch Catalysts**", and received very interesting questions and suggestions from everyone who came by to see it. Through my poster I was able to talk to Dr Paul Collier from Johnson Matthey (UK), who showed great interest in my work and we talked a bit about the effect of carbon on Fischer-Tropsch catalysts. I also received an insightful suggestion on the synthesis of cobalt oxide from Mr Moritz Wolf, University of Cape Town (S.A). Although I did not win the poster price, I was grateful for the experience and the inputs I received.

I'm very grateful to my Supervisor Prof Neil Coville and Co-Supervisor Dr Roy Forbes for their support in my project. I'm also grateful to the Royal Society of Chemistry for giving me the opportunity to present my work during the poster session. Special Thanks to *c*change* (DST-NRF Center of excellence in catalysis) and Catalysis Society of South Africa (CATSA) for their financial support.



Harinarayana Bandaru, a PhD student working under Prof. Holger B. Friedrich from the University of KwaZulu-Natal, Durban gave a poster presentation at the Faraday Discussion in Cape Town from 24 to 26 January 2017. The Faraday Discussion, held for the first time in South Africa, brought together catalysis researchers and industrialists to discuss recent research trends and exchange knowledge about catalysis for fuels and the latest technologies involved in fuel catalysis. The conference/discussion included over 21 full papers for oral presentation followed by discussion and two poster sessions. The whole event was organised by the Royal Society of Chemistry and directed by Professor Graham Hutchings from Cardiff University, UK, and was attended by participants from all over the world. Professor Enrique Iglesia from the University of California, Berkeley, gave an excellent plenary lecture. The four simultaneous sessions covered most of the topics on fuel catalysis: Catalysis for fuels, Designing new catalysts for synthetic fuels, Hydrocarbon conversion in the production of synthetic fuels and Novel photocatalysts. Matt Neurock from the University of Virginia presented a paper about oxygen exchange reactions through DFT. In a similar manner, Jack Fletcher presented a poster about interconversion of oxygenates in the Fischer-Tropsch synthesis and oxygen exchange reactions. A few important discussions were also debated in the conference in the field of DFT for fuel reactions. Professor Michael Bowker from the Cardiff University in UK gave an interesting presentation on PdZn catalysts for CO₂ hydrogenation to methanol, which showed the importance of the PdZn phase responsible for creating highly isolated Pd and Zn metal species that in turn form the PdZn alloy nanoparticles with a narrow size distribution. Marien Bremmer from Leiden University in the Netherlands gave a talk about *in situ* TEM studies that explained multi-layered graphene formation from CO on cobalt nano particles. They both gave some insight of utilizing transition metal catalysts in their studies.

CATSA MEMBERSHIP PROTOCOL

Date approved: 2 Aug 2002; updated 30 June 2017

Notwithstanding the rights and obligations of the Constitution of the Catalysis Society of South Africa in respect of membership (Articles 9.1, 9.3 and 9.4, inclusive), the following protocol is applied as per the rights of the Committee to establish membership fees and periods (cf. CATSA Constitution, Article 9.1):

For attendees of the CATSA Annual Conference the membership fee is included in the Registration Fee of the CATSA Annual Conference and will reflect as such in the invoice for the registration. Consequently, payment of the Annual Conference Registration Fee, by or on behalf of an individual, grants that individual full membership of the Society for the period starting with the opening of the Annual Conference for which the registration fee is paid and ending with the closing of the subsequent CATSA Annual Conference.

Persons not registering for the Annual Conference but wishing to gain membership of the Society may, on submission of a fee of R 250.00, apply for such membership at any time to the Chairperson or the Treasurer of the Society which, if granted, will be valid for the period between the opening of the last Annual Conference prior to receipt of the membership fee up to the closing of the subsequent CATSA Annual Conference.

Persons or persons associated to entities sponsoring CATSA conferences can obtain membership without paying a fee if the respective sponsorship contract includes a free registrations to the conference for the respective persons.

Table of fees (as of May 2017)

Conference attendee	R 200.00
Non-conference attendee	R 250.00

CATSA STUDENT REPRESENTATIVE PROTOCOL

Date approved: 4 Sept 2007; updated 12 July 2016

PREAMBLE

Notwithstanding the rights and obligations of the Constitution of the Catalysis Society of South Africa in respect of the committee (Articles 5.1 – 5.13, inclusive), the following protocol is applied as per the rights of the Committee to co-opt members of the committee (cf. CATSA Constitution, Article 5.4) for the purpose of establishing a Student Representative:

BACKGROUND

It has become practice within the Society to involve postgraduate students registered at South African Universities in the events of the Society. Amongst others, these may include the organisation of Poretech Challenge and similar events at the annual CATSA Conference. Given that postgraduate students are often not directly involved in the activities of the committee, a Student Representative may be elected to the CATSA Committee for a period of one year, with the option of re-election.

CRITERIA FOR ELIGIBILITY

Students registered at a South African University for postgraduate studies will be eligible for election as Student Representative. Nomination of such a student by a member of the Executive CATSA committee, or a registered postgraduate student is required. In the case of multiple nominations, a ballot may be conducted. Acceptance of the nomination is required before a student may serve as Student Representative. Nomination or election of the student representative shall be for a term of 2 years.

RESPONSIBILITIES AND CONDITIONS

The Student Representative will need to attend all CATSA Committee Meetings, and report on student activities relevant to CATSA. In executing his/her duty, the Student Representative will need to engage fellow postgraduate students in the activities of CATSA, and in the specific events that encourage student participation. The Student Representative will also be required to deliver a report at the Annual General Meeting.

Extract from **CATSA STUDENT TRAVEL GRANT PROTOCOL**

Date approved: 8 July 2008; updated: 6 July 2010; updated: 4 Sept 2012; updated: 12 July 2016; updated: 3 March 2017

1) INTERNATIONAL CATALYSIS CONFERENCES

AIM AND SCOPE

The purpose of the CATSA student travel grant is to promote the development of young scientists and engineers by supporting students in catalysis to present their research at international scientific conferences of note. Moreover, in this manner, CATSA aims to actively promote South African catalysis expertise in the international arena.

The grant will assist the student with a fixed amount that may be applied towards the costs of conference registration, travel and subsistence.

AWARD VALUES

The monetary value of the individual awards may be adjusted from time to time dependent upon the estimated costs of implementing the aims of the grant. The total grant available as well as the value of the individual awards in any given financial year will be specified in the chairperson's annual budget and ratified by the CATSA committee.

Current values of the award for International Catalysis Conferences held outside South Africa are:

R 15 000.00 in respect of ORAL presentations, and

R 8 500.00 in respect of POSTER presentations

Current values of the award for International Catalysis Conferences held within South Africa are:

R 5 000.00 in respect of ORAL presentations, and

R 3 750.00 in respect of POSTER presentations

CRITERIA FOR AWARD ELIGIBILITY

1. The conference at which the paper is to be presented must be an international conference and recognised by CATSA as a premier scientific meeting in the field of catalysis. An essential feature of the conference must be the appropriate scientific peer review of papers accepted for presentation.
2. The student must be registered for a recognised higher degree (PhD, MSc or equivalent), at any South African HEI, and be working in the field of catalysis.
3. An award will normally be granted only once for a conference held outside South Africa and once for a conference held within South Africa in the career of the individual.
4. The paper must have been accepted for presentation by the relevant conference committee.
5. The application/award may not be retrospective.
6. The presentation is to be made by the applicant and substantially represent the applicant's own work.

For more information on protocols visit: <http://www.catsa.org.za/index.php/committee>

GiantSudoku.com

	R	I		X		P	B	N		S	O	M	F	C		D	U	V		T	L			
B	U		Q	H	G	R	C		Y	A	T	W	D	X		P				O	K	F		
T		X			E	M	F			Y					R	J	B	S	L	H	W	Q	D	I
N	E	W		C	Q		S	O	J	V			R		H	Y		F					A	X
G		F	S	M		I		V	W	H		U										C		Y
P	Y	U				X	G				I					F	R	H	B	C	J	A	W	Q
F	A	C	J	B	H				M	V			Q		G	X	P	I	T	K	D	U	E	
R		O	E	T		A	B		Q	X					V		J			Y	S		N	
W				D		C	U		T	G	J			R	L						O			
I	K	N				L	W			Y		D		P			A	C	Q	X		G		H
	C	D		Y	W		J	K	G	F	N				P				E	O			H	M
Q	N	R	I			B	V		O	J	W		P		T		H	L	G	Y		E	S	U
U		L	B		A		Q	H	P	O		T		E	K	R	D		V		X	I		C
A	V	E		X	D	S	M		R		H		G	Y	F		O	U			Q	N	L	K
H	J			P	C				I				U	K	B	W	N		S	G		T	V	
L		T		N	P	G	A			S		J		O			V	X				M	Y	B
			A						L	K			I	T	Q		J	R		D				G
D		Y	K			J		C						H	M		E	W		Q	V	L		A
X	W	S	U	E	B	D	K	I		Q			L		G				A	R	N	P	O	J
C	Q	H	G	J	M	V	Y	R					N				L	B				W	E	T
Y		K										L		S	A	D		I		F	T	H		V
E	T					O		W	V		R			U	S	B	C		H	J		K	N	D
M	D	V	C	Q	R	K	H	G	A			J				U	O	T			X		S	
O	H	G					I			C	A	V	T	D	J		K	M	R	E	L		Q	W
J	S			W	Y	Q			D	I	G	K	H		E	N	F		X			R	C	

9		7	8				1	
2	6		5				8	9
				9			2	
		3					8	2
6								4
5	9						1	
		2		1				
7		9			5		2	1
	4				2	3		8

		2	9					
7	6	8	2		4			
9						2		
8		7	4				6	
1				5				4
	2				1	8		3
		6						8
			8		3	1	9	2
					7	6		

Sponsors of CATSA 2017



NORTH WEST UNIVERSITY
YUNIBESITI YA BOKONE-BOPHIRIMA
NOORDWES-UNIVERSITEIT



From the Editor

Dear member of the Catalysis Society of South Africa, without your contributions a newsletter is not possible. The purpose of the newsletter is to serve as a platform to report on new developments and past year's events. For this reason I would like to invite all Society members to send contributions to me in good time before the next CATSA conference.

Cornie van Sittert
Cornie.VanSittert@nwu.ac.za.

Editor

Cornie van Sittert
Research Focus Area: Chemical Resource Beneficiation (CRB)
Laboratory for Applied Molecular Modelling
North-West University

Tel: (018) 299 2338
Email: Cornie.VanSittert@nwu.ac.za
Web: www.catsa.org.za