



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

The Centre for the
Advancement of Scholarship

2018 Annual Report

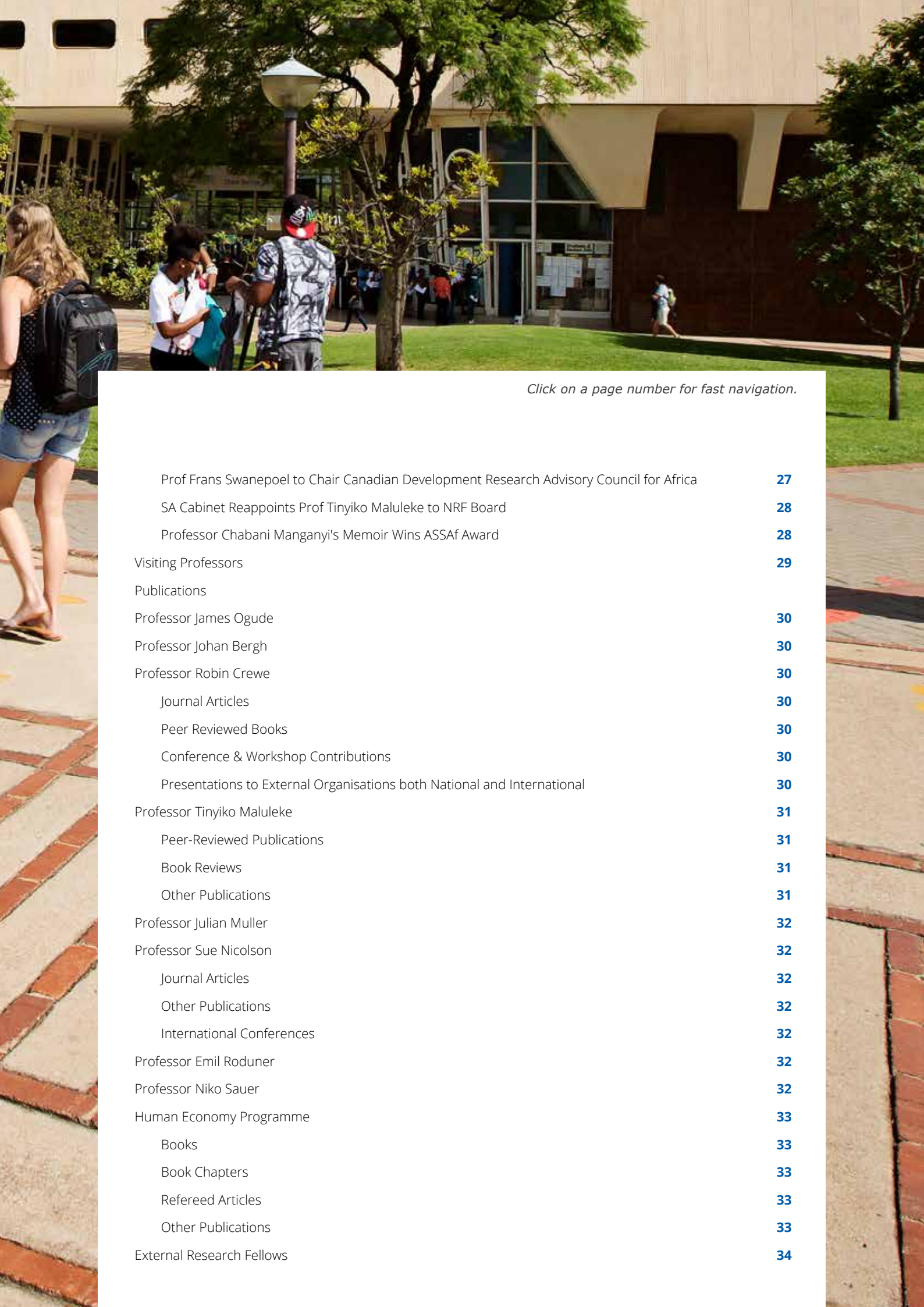
Make today matter



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MESSAGE FROM THE VICE-CHANCELLOR AND THE ADVISORY BOARD CHAIR

“The Centre for the Advancement of Scholarship is one of the University centres that continues to reflect this core institutional research ethos.”



Professor Tawana Kupe
Vice-Chancellor and Principal

The University of Pretoria's long term strategic plan, UP 2025, is committed to pursue research that matters and to address complex societal challenges, particularly those relevant to South Africa and the African continent as a whole. The University has expressed the importance of aligning itself with the global agenda for sustainable development as articulated through the United Nations Sustainable Development Goals, as well as the goals highlighted in South Africa's National Development Plan. In pursuit of these research objectives, the Centre for the Advancement of Scholarship has continued to contribute to the dynamic research agenda of the University.

In 2018, the Centre for the Advancement of Scholarship continued its pursuit of research excellence and elevating intellectual debate amongst its fellows, and the University at large. Engaging in its ongoing projects on food security, environmental degradation, the governance and development of economic systems and inquiry into money and the role it plays within and between communities, and the role of indigenous knowledge systems, such as Ubuntu, in contemporary South African and African societies. The Centre has achieved notable success in its mission to be home to multidisciplinary research and interaction between senior researchers, postdoctoral fellows and students.

The Centre has become a central node in the diverse research life of the University of Pretoria, and an important space for intergenerational dialogue. In a climate where academia is moving away from a single disciplinary approach to research, the Centre continues to be an important pillar within the University to guide and lead in encouraging ground-breaking research and trans-disciplinary engagement with issues that reflect the cutting edge of ongoing academic debate.

In 2018, the Centre celebrated its five year anniversary, and looked back on accomplishments that included the publication of 13 books, the organisation of numerous workshops, roundtables and colloquium, the hosting of a number of visiting scholars, and continued multidisciplinary research through a variety of projects and individual efforts. The development of the Centre actually began in 2013, with the renovation of the Old College House to accommodate the Centre. Since 2014, the Centre has curated the projects and programmes it hosts, so they are a true reflection to its initial focus on the humanities and social sciences. However the Centre has continued to include the natural sciences in its research programme, with work on entomology, chemistry and computational chemistry, and agricultural economics and plant sciences still forming part of the research activities of its fellows.

With the introduction of a signature project on extraction and the environment, and funding from the Andrew W. Mellon Foundation for a new project on African Urbanities and its Hinterlands, and further funding from the Oppenheimer Foundation in support of the Human Economy Project, the Centre has positioned itself for another five years of growth and success in interdisciplinary knowledge production and research that draws on innovative and creative responses to complex issues.

On behalf of the University, I wish to express our appreciation to all the research agencies and foundations who enabled the achievements of the Centre in 2018.

I also wish to commend the Director and fellows for their achievements over the past year.



MESSAGE FROM THE DIRECTOR

“We are excited about the prospects of these partnerships and the opportunity they offer in extending our footprints across the rest of the continent.”



James Ogude
CAS Director

The year 2018 was of significance because it marked the fifth anniversary of the Centre for the Advancement of Scholarship (CAS) since its launch in November 2013 by the then Vice-Chancellor and Chair of the Centre's Advisory Committee, Professor Cheryl de la Rey. The day of the launch, 20 November 2013, was marked by two important events: firstly a gathering of Africanist scholars at the Centre to pay tribute to one of Africa's foremost writers, Chinua Achebe, who had passed on in March that year. The keynote address by another leading South African writer, the late Mbulelo Vizikhungu Mzamane, was riveting and a sharp reminder of Africa's literary heritage and historiography that Chinua Achebe had helped to shape.

For a Centre that was groping for a handle on humanistic research, the timing of this colloquium could not have been more apt. The day also witnessed a gathering of senior members of the academy at a function in which the founding Director of the Centre, Professor Robin Crewe, received the Award of the Gold Medal for meritorious service from the Academy of Science of South Africa. Looking back to that inaugural moment, five years later, one can say without any equivocation that the Centre has made excellent strides. We continue to be home to many leading scholars drawn from the Humanities and the Natural Sciences, who are producing excellent research.

In 2018 alone, the Centre produced a total of six books, six book chapters and 17 peer reviewed journal articles, a clear testimony to our research excellence. The Centre also convened a range of conversations around diverse themes presented by both local and international scholars. The lecture by our Visiting Professor of Chemistry, Emil Roduner, on “Models, Facts and Inspiration in Scientific Research” was easily one of the best in the year. Then we had lectures by Professors Eileen Julien of Indiana University, Charles Travis from the University of Texas, and Akosua Adomako Ampofo from the University of Ghana - all touching on a variety of topics ranging from ‘traces of Africa’ in the African diaspora cities to Deep Mapping of the American West, and to Ampofo's thoughtful reflections on Africa's many possible futures through restoring of our stories.

The highlight though was the launch of books produced by scholars at the Centre. The Ubuntu project which has just been concluded celebrated the publication of its first two books, among a total of five: *Ubuntu: Unfolding Narratives of Ubuntu in Southern Africa* edited by Julian Muller, John Eliastam and Sheila Trahar and *Ubuntu and Personhood* edited by James Ogude. The re-commissioning of the production of the Ubuntu play, *Mama Mudu's Children*, by the MerSetas and its performance to a capacity audience at the Gallagher Estates consisting of the BRICS delegates was a major pointer to how high level research that the Centre engages in can be translated into a form that bridges the gap between the academy and the world of work.

In addition, the Social Insects Research Group also launched a path breaking book titled, *The Dark Side of the Hive* written by CAS Senior Research Fellow, Robin Crewe and Robin Moritz of the Martin-Luther University of Halle-Wittenberg. Present at the launch were Mr. Nikki Oppenheimer and his wife, themselves bee-keepers and a family whose trust funded aspects of Professor Crewe's research on African bees. Worthy of noting is also the ASSAf Humanities Biennial Book Award which was given to CAS Senior Research Fellow, Professor Chabani Manganyi for his memoir, *Apartheid and the Making of a Black Psychologist: A Memoir*. We wish to congratulate Professor Manganyi, the wise man of the Centre, for this excellent achievement.

As some of the research projects at the Centre come to an end, I am happy to report that new ones are emerging and with them additional funding. The Ubuntu project was concluded at the end of 2018 with a total publication of five books and numerous journal articles. The Director who was the Principal Investigator of the project has since received new funding from the Andrew W. Mellon Foundation to start a research project on "African Urbanism and its Hinterlands." This supra-national project will bring together senior researchers, early career scholars and doctoral students from the University of Cape Town, Makerere University and the University of Ghana over the next five years.

We are excited about the prospects of these partnerships and the opportunity they offer in extending our footprints across the rest of the continent. The Human Economy project also received further funding from the Oppenheimer Trust at the end of 2018 to continue its current work over the next five years and to hire new doctoral students and Postdoctoral fellows. There is no doubt that we remain on a firm research trajectory that can only improve going forward.

Finally, I wish to express my sincere thanks to our support and research staff, and to our postdoctoral fellows and postgraduate students for turning this Centre into an exciting research site that it has become. Once again we wish to thank the Executive Committee of the Centre, the Advisory Committee and its outgoing Chair, the Vice-Chancellor and Principal of the University, Professor Cheryl de la Rey, for their support and guidance as we worked tirelessly to renew our vision and sharpen our research focus. We welcome the new Vice-Chancellor and Principal, Prof Tawana Kupe, who has also accepted to continue as Chair to the Advisory Committee of the CAS and to keep the Centre under the administrative ambit of the University Executive.



EVENTS IN THE CENTRE IN 2018



27 February 2018

Seminar:

The Symbiotic Food System and the Opportunities and Challenges it presents for more Human Economies and Effective Governance

Presented by Dr Marc Wegerif



31 May 2018

Seminar:

Beyond the 98th Meridian: Deep Mapping the American West in the works of Larry McMurty, Charles Bukowski and Walter Mosley

Presented by Professor Charles Travis (University of Texas, Arlington)



26 June 2018

Seminar:

Foretelling our futures: silences and restoring our stories

Presented by Professor Akosua Adomako Ampofo (University of Ghana)



14 August 2018

Seminar:

Models, Facts and Inspiration in Scientific Research

Presented by Professor Emil Roduner (University of Stuttgart)



29 August 2018

Seminar:

The most African city in the United States: Between Celebration and Crisis

Presented by Professor Eileen Julien (Indiana University, Bloomington)



4 September 2018

Book Launch:

Ubuntu: Unfolding Narratives of Ubuntu in Southern Africa edited by Professor Julian Muller, John Eliastam and Shelie Trahar and *Ubuntu and Personhood* edited by Professor James Ogude

Discussants: Professor Tinyiko Maluleke and Professor Harry Garuba (University of Cape Town) with remarks by Professor Cheryl de la Rey



26 September 2018

Play:

Mama Mudu's Children
Presented at the AULA Theatre under the
direction of Dr Masitha Hoeane



17 October 2018

Seminar:

De- or re-organisation: land use, farming
and reproduction of the homestead in
the Eastern Cape
Presented by Professor Paul Hebinck
(Wageningen University)



22 October 2018

Book Launch:

*The Dark Side of the Hive: The Evolution of
the Imperfect Honey Bee* by Professor Robin
Moritz (Martin Luther University Halle –
Wittenberg) and Professor Robin Crewe
Discussant: Professor Christian Pirk with
remarks by Professor Cheryl de la Rey.



24 October 2018

Seminar:

The Essence of Scientific Computing
Presented by Dr Jannie Pretoria



22 November 2018

**CAS Five-Year Anniversary
Celebration**

“The Centre brings together and provides the required intellectual home for senior scholars, post-doctoral fellows and postgraduate students to conduct scholarly debates across disciplines.”

ADVISORY BOARD



Professor Cheryl de la Rey
Chair of the Advisory Board and Vice-Chancellor of the University of Pretoria



Professor Akosua Adomako Ampofo
University of Ghana



Professor Stephanie Burton
Vice-Principal responsible for Research and Postgraduate Education, University of Pretoria

“The overarching vision of the University of Pretoria is to be a leading research-intensive university in Africa, recognised internationally for quality, relevance, impact, developing people, creating knowledge and making a difference locally and globally. Within the context of this vision, having a Centre for the Advancement of Scholarship can contribute to the development of outstanding research activities that cross the boundaries of disciplines.”



Professor Robin Crewe

CAS Research Fellow,
University of Pretoria



Professor Hendrik Geyer

Director of STIAS,
University of Stellenbosch



Professor Theo Goldberg

Director of UCHRI,
University of California



Dr Jason Musyoka

CAS Postdoctoral Fellow,
University of Pretoria



Professor Njabulo Ndebele

Chancellor,
University of Johannesburg



Professor James Ogude

CAS Director,
University of Pretoria

EXECUTIVE COMMITTEE



Professor James Ogude

CAS Director, University of Pretoria
Chair of the Executive Committee



Professor Stephanie Burton

Vice-Principal responsible for
Research and Postgraduate Education,
University of Pretoria



Professor Jean Lubuma

Dean of the Faculty of Natural and
Agricultural Sciences, University of
Pretoria



Professor Vasu Reddy

Dean of the Faculty of Humanities,
University of Pretoria

“One of the key roles of the Centre is to enable unique and important collaborations, providing time and space for the very best creative and scientific thinking to take place and to foster partnerships and networks which will engender growth, especially in humanities and social sciences.”



STAFF



“The Centre brings together and provides the required intellectual home for senior scholars, postdoctoral fellows and postgraduate students to conduct scholarly debates across disciplines. Their work is conducted in a setting where it can be used to address important social issues within a multidisciplinary perspective.”

RESEARCH FELLOWS



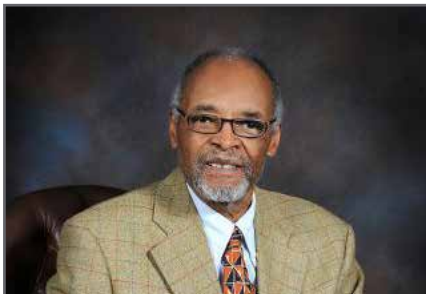
Professor Johan Bergh



Professor Robin Crewe



Professor Tinyiko Maluleke



Professor Chabani Manganyi



Professor Sue Nicolson



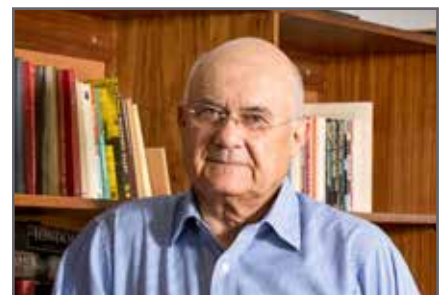
Professor Niko Sauer



Professor John Sharp



Professor Frans Swanepoel



Professor Charles van Onselen



Professor Sibusiso Vil-Nkomo

POSTDOCTORAL FELLOWS



Dr Bosco Bae



Dr Willeke de Bruin



Dr Sean Maliehe



Dr Jason Musyoka



Dr Marc Wegerif



RESEARCH FELLOWS AT LARGE



Professor Ivan Horak



Professor Banie Penzhorn

SUPPORT STAFF



Ms Cecilia Bailie



Ms Kirsty Nepomuceno



Ms Cecelia Samson

“In order to provide an environment outside of the domains of faculties, in which there can be an exchange of ideas across disciplinary boundaries and across generations of scholars, the Centre for the Advancement of Scholarship was established in 2013.”



Ms Ayanda Sihlahla

AFRICAN OBSERVATORY FOR HUMANITIES FOR THE ENVIRONMENT

Professor James Ogude

The African Observatory for the Humanities for the Environment is a multidisciplinary project aimed at encouraging humanities-based research on the challenges posed by global warming and environmental degradation, especially on the African continent.



From left to right: Professor James Ogude, Professor Charles Travis and Professor Amanda du Preez

In 2018, the Centre hosted Professor Charles Travis, who works in the area of Geography and Geographic Information Systems (GIS) with the Department of History at the University of Texas, Arlington. Professor Travis is currently conducting research in literary, historical, cultural and human geography, the digital and environmental humanities and the development of digital humanities and geographical information systems methodologies and applications.

Professor Travis presented a seminar titled “Beyond the 98th Meridian: Deep Mapping the America West in the works of Larry McMurtry, Charles Bukowski & Walter Mosley” on 31 May 2018. The presentation illustrated digital mappings of the works of Texas writer Larry McMurtry, depictions of Los Angeles in Skid Row Poet’s Charles Bukowski’s verse, and the crime-fiction prose of African-American novelist Walter Mosley, in geographical information systems (GIS) software, guided by the critical literary analysis techniques of M.M. Bakhtin, Julie Kristeva and Franco Moretti.

In addition, Professor Ogude travelled to the Rachel Carson Centre in Germany from 28 June 2018 until 1 July 2018, to participate in the 2018 Environmental Humanities Summit. The Summit included a selection of centre directors and leaders of organisations in the field of the Environmental Humanities and Environmental History from 22 countries and from around the globe. The aim of the Summit was to create an open space for



Professor Ogude pictured with the participants of the 2018 Environmental Humanities Summit.

dialogue across generations about the direction the field might take, and the challenges of its institutionalisation. Professor Ogude moved on to take up a one month visiting professorship at the Forum Scientiarum at the Tübingen University in July.

Professor Ogude also attended the 2018 African Studies Association meeting in Atlanta at the invitation of the board of ASA to take over as the programme co-chair of the 2019 Africa Studies Association Meeting, taking place in November 2019 in Boston. This is a remarkable recognition by easily the largest organisation of Africanist scholars globally.

Professor Ogude also served as a member of the ASSAf committee on incentives for collaborative research co-sponsored by the National Research Foundation (NRF).

In the course of 2018, the Centre adopted the Environmental Humanities as its signature project with a special focus on “The Poetics and Politics of Extraction and the Environment”. This topic was subsequently adopted as a key research theme in the Centre at the Annual Advisory Board meeting, in June 2018. In light of this, the Centre advertised and successfully appointed a postdoctoral fellow, Dr Tafadzwa Mushonga, to oversee the development of this research theme within the Centre in 2019.

HUMAN ECONOMY PROGRAMME

Professor John Sharp and Professor Keith Hart

2018 was the fourth and final year in the second cycle of funding to the Human Economy (HE) Research Programme from the Andrew W. Mellon Foundation.



Professor John Sharp presenting at a workshop on economic democracy in Africa at the University of Pretoria.



Participants of the conference "Digital Finance in Africa's Future: Innovations and Implications" held in late 2018.

In March 2018, the Human Economy Programme hosted a workshop on "The struggle for economic democracy in Africa" at the Centre for the Advancement of Scholarship. The conference had all of the postdoctoral fellows and doctoral students present their research findings, and they were joined by two colleagues from the Nordic Africa Institute, Uppsala, one from the Catholic University of Bamenda, Cameroon, and one from the University of the Witwatersrand.

Later in 2018, the Programme co-hosted a conference on the topic "Digital Finance in Africa's Future: Innovations and Implications". In conjunction with Professor Peter Vale and the Johannesburg Institute for Advanced Study (JIAS), the conference hosted Trevor Manuel, former South African Minister of Finance, as keynote speaker; Mr Nnamdi Oranye, of Disrupting Africa and the Standard Bank, South Africa; and digital finance innovators and regulators from across the continent. This conference was successfully in engaging Fintech innovators, regulators, and Humanities academics, who entered into sustained conversation

about their different approaches to a shared interest. A full report on the conference, including detailed summaries of the presentations and discussions, is presently being prepared. The report will be published on line and made available in hard copy. Once the full summary is completed, work will begin on an academic publication drawing on the conference's presentations and discussions.

Two books were published as part of the Human Economy Book Series by Berghan Books in 2018. Professor Bill Maurer from Institute for Money, Technology and Financial Inclusion (IMTFI) at University of California Irvine elected to publish his volume on *Money at the Margins* in the series, and Dr Theodoros Rakopoulos authored volume 4 of the series titled *From Clans to Co-ops: Confiscated Mafia Land in Sicily*.

Five doctoral students conducted research within the programme in 2018. By the end of 2018 Josiah Taru had produced a draft of a complete thesis and had had it approved for submission by his supervisor. The thesis deals with the themes of money and religion in the context of a Pentecostal, 'prosperity gospel' church in Harare. Maureen Kademaunga is next in line to finish her thesis on Chinese entrepreneurs in Harare and their relationships with the state and Zimbabweans in general. St Jose Inaka made solid progress in 2018 with his study of the reconstruction of the labour market in Kinshasa and the mining areas in the south of the country. Ferron Pedro and Mike Chipere-Ngazimbi have completed their field and are currently involved in writing up their theses.

The Programme had three postdoctoral fellows entering their last year of support in 2018: Dr Jason Musyoka, Dr Sean Maliehe and Dr Bosco Bae, while Dr Marc Wegerif joined the project in 2018.

Jason Musyoka

Dr Musyoka was offered a contract in 2018 from Wits University Press to prepare a manuscript based on his doctoral research on the financial circumstances of the emerging black middle class in South Africa. A full draft was completed in the course of the year. Dr Musyoka presented a paper at the 'Struggle for Economic Democracy' workshop organised by the HE programme, and continued to build his reputation as a public commentator, publishing a number of op-ed pieces – many drawing on ideas debated in the HE programme – in the South African media in the course of 2018.

Sean Maliehe

Dr Maliehe presented papers at the HE workshop early in 2018 and at the Digital Finance conference in October, both drawing on his postdoctoral research on the topic of 'remittances and

mobile money'. He also gave a presentation on Digital Finance to the Association of African Central Banks in Mali in May 2018. The paper was co-authored with Professor John Sharp and subsequently published in a trade magazine on finance in Africa. A manuscript based on his doctoral research on the history of small businesses in Lesotho was submitted to Berghahn Books late in 2017, and negotiation between him and the publisher is ongoing. Dr Maliehe was offered and accepted a postdoctoral fellowship in the Department of Historical and Heritage Studies at the University of Pretoria.

Bosco Bae

In 2018, Dr Bae explored money in the lives of Buddhists in Sandton and of traditional healers in neighbouring Alexandra Township. He contributed to research and chapters in a book titled "Women in the Context of Justice", which was published by the Centre for Sexualities, AIDs and Gender at the University of Pretoria. He left South Africa in November 2018.

Marc Wegerif

Dr Wegerif joined the Programme in 2018. He published several articles in high-quality journals as well as several op-ed pieces. He presented papers at several international conferences as well as at the HE 'Struggle for Economic Democracy' workshop.

He was invited to give expert testimony to the Parliamentary Committee dealing with land reform in the light of the government's decision to endorse the principle of 'expropriation without compensation'. He forged new links for the HE programme with organisations such as PLAAS at UWC and the Food Security Programme headquartered at UCT. He gave a number of guest lectures in the Development Studies section of the Anthropology Department at UP.

“A full report on the conference, including detailed summaries of the presentations and discussions, is presently being prepared. The report will be published on line and made available in hard copy. Once the full summary is completed, work will begin on an academic publication drawing on the conference’s presentations and discussions.”



UBUNTU PROJECT

Professor James Ogude

The Ubuntu Project is funded by the Templeton World Charity Foundation since 2014. Titled “The Meaning and Value of Ubuntu in Human and Social Development in Africa”, the project was originally planned for three years, to conclude in March 2017, but it was extended into 2018 to allow for the completion of several manuscripts and publications.



Professor Harry Garuba of the University of Cape Town was a discussant of the books at the launch of the two Ubuntu publications.



From left to right: Professor Harry Garuba (UCT), Professor James Ogude, Vice Chancellor Professor Cheryl de la Rey, Professor Julian Muller, Professor Tinyiko Maluleke and Dr Anne-marie de Beer.

In 2018, the project began finalising the outcomes it had achieve in the previous four years. Two books were published and later launched. *Ubuntu and Personhood* edited by Professor James Ogude, and *Unfolding Narratives of Ubuntu in Southern Africa* edited by Professor Julian Muller, Dr John Eliastam and Sheila Trahar. The book launch was held on 4 September 2018, and was attended by the Vice-Chancellor Professor Cheryl de la Rey, the editors of the book and certain chapter contributors.

Professor de la Rey commented on the value of this research in contributing to discussions on curriculum and knowledge transformation. She suggested the research should be disseminated widely, and not just within academia, given its extensive applicability. Professor Maluleke, one of the invited discussants, described the books as “the latest and freshest statement on both the meanings and purposes of Ubuntu”, which will contribute to ongoing debate on the concept, and help complicate and stimulate future studies on Ubuntu. Professor Harry Gaurba from the University of Cape Town, another invited discussant, described Ubuntu and Personhood as “capturing an important moment in Africa’s much-needed ‘return to the source’, and the reclamation of ‘subjugated knowledges’.” Professor Maluleke concluded the discussion by emphasising the importance of traditional concepts such as Ubuntu being utilised to address modern social, environmental and political phenomena and challenges.

The project also celebrated the publication of the Swahili translation of *Mama Mudu’s Children*, titled *Watoto wa Mama Mudu*, with a future intention to have the play performed in Eastern Africa.

In mid-2018, the Centre was approached by the Manufacturing, Engineering and Related Services Sector Education and Training Authority (merSETA) to put on a production of the play *Mama Mudu’s Children*, at a BRICS Summit in Johannesburg. In conjunction with this request, Unifier Dyer was asked to present on the topic of “Positioning Ubuntu in the Information Age” at a BRICS Young Scientist Forum in Durban in June, and Professor Ogude was asked to present on the concept of Ubuntu at a BRICS Skills Development Working Group in October. It was at the later event that *Ubuntu and Personhood* was widely circulated to participants, and Professor Ogude was able engage natural scientist and engineers on the place of Ubuntu in their disciplines.

Research on the erosion of social cohesion by unlawful killing was concluded at the beginning of the year, and a report titled “Social cohesion from the top-down or bottom-up: The cases of South Sudan and Burundi” authored by Dr Cori Wielenga and Emmaculate Liaga was submitted for publication in *Peace and Change Journal* in 2019. A book titled *Domestic Commissions of Inquiry as Accountability Mechanisms: Securing the right to life in Africa* (originally titled *National Commissions of Inquiry: Accountability Mechanisms for Violations of the Right to Life?*) is expected to be published by the Pretoria University Law Press in 2019, edited by Professor Christof Heyns and Professor Thomas Probert. The book will incorporate the research conducted on the protection of life, human rights violations and Ubuntu.

At the end of 2018, the book *Ubuntu and the Everyday* was finalised for publication in 2019, and the manuscript for *Ubuntu and the Reconstitution of Community* was undergoing final technical editing, and is also expected to be published in mid-2019.

SOCIAL INSECTS RESEARCH GROUP

Members: Professor Robin Crewe, Professor Sue Nicolson, Professor Christian Pirk, Dr Fabien Demares, Dr Hannelie Human and Dr Abdullahi Yusuf



One of the major events of the Social Insects Research Group was the publication of the book "The Dark Side of the Hive" written by Professor Robin Crewe in and Professor Robin Moritz, of the Martin-Luther University of Halle-Wittenberg, by Oxford University Press, New York in September 2018.

Professor Moritz spent 19 October to 23 October 2018 in Pretoria presenting a seminar in the Department of Zoology and Entomology and participating in the launch of the book that was held at the Centre on 22 October 2018 with Vice-Chancellor Professor de la Rey making a presentation and with Mr. Nikki Oppenheimer and his wife present.

Professor Crewe is conducting on-going research work with members of the Research Group in the area of pheromone biology and the study of colony population densities via the use of quadcopter drones to sample honey bee drone congregation areas.

Professor Crewe's Masters student, Ms Chamanti Liang graduated at the University of Pretoria's 2018 Spring graduation ceremony. He continued his supervision of doctoral student Ms Fiona Mumoki, and she is expected to complete her thesis by June 2019. Additionally, Professor Crewe took on the supervision of postdoctoral fellow Dr Ola Okosun, who is conducting research on honey bee pheromones.

During 2018, Professor Crewe served as the Chair of the Board for the INSiAVA (Pty) Ltd, a scientific advisor for MARTI TB Diagnostics (Pty) Ltd, and a board member of SERA (Pty) Ltd and SEDA Fund Managers (Pty) Ltd. He further served as chair to the following South African Organisations: Committee on Scholarly Publications in South Africa (ASSAf), National Scholarly Book Publisher's Forum (ASSAf), Scholarly Journal Editor's Forum (ASSAf), second ASSAf report on research publishing in South Africa (which was completed in 2018 and will be launched in 2019), and SciELO South Africa Advisory Board (ASSAf). Professor Crewe continued as a board member for the South African Council for the Natural Scientific Professions (SACNASP) as well as a member of their executive committee. He was the chair of the Strategic Projects Committee of SACNASP, chair of the NACI Institutional Review Panel 2018 (the review reports was presented to the NACI Council on 13 September 2018), a trustee of the Skye Foundation, and an adjudicator of the NSTF awards of 2018.

Internationally, Professor Crewe was a council member of the World Academy of Sciences (TWAS), a board member of Network of African Academies of Sciences (NASAC), and co-chair of InterAcademy Partnership (IAP) working group: "Harnessing science, engineering and medicine to address Africa's challenges". This IAP working group was funded by the Carnegie Corporation of New York and the work of the working group was extended for 6 months to June 2019.



From left to right: Professor James Ogude, Professor Robin Moritz, Professor Robin Crewe and Vice Chancellor Professor Cheryl de la Rey.



From left to right: Professor James Ogude, Mrs Orcillia Oppenheimer, Mr Nicky Oppenheimer, Professor Robin Moritz, Professor Robin Crewe, Vice Chancellor Professor Cheryl de la Rey and Professor Christian Pirk.

AGRICULTURAL TRANSFORMATION IN AFRICA (ATA) PROGRAMME AND PERKA

Professor Frans Swanepoel and Dr Willeke de Bruin

The Agricultural Transformation in Africa (ATA) programme has been led by Professor Frans Swanepoel since 2017 and has been progressing well since its inception. Professor Swanepoel is also leading the Peer-Learning for Emerging Researcher's Knowledge and Advancement (PERKA), initiated in December 2018.

During 2018 the ATA programme has been refining its focus and steady progress has been made on several research activities during the year. Dr Willeke de Bruin has been appointed as a postdoctoral fellow in the ATA programme, focussing her research on food safety systems. Funding for the research is provided by the Department of Science and Technology (DST)/ National Research Foundation (NRF) Centre of Excellence in Food Security which is co-hosted by the University of the Western Cape and the University of Pretoria.

Her research focuses on applying and strengthening systems thinking to improve the food safety of food production systems. In 2018, she was selected as the only emerging researcher from UP to attend a high-level capacity workshop on systems analysis. The workshop was organised by the Southern African Systems Analysis Centre (SASAC), a DST-NRF initiative that builds on the successes of a range of research and capacity building activities developed by South African research partners and the Austria-based International Institute for Applied Systems Analysis (IIASA).

During the course of 2018 she was the key researcher on a number of policy briefs and policy related documents for the Food, Agriculture and Natural Resources Policy Analysis Network (FANRPAN) and has prepared a policy brief for The Academy of Science of South Africa (ASSAf). She presented a paper at the International Food Safety Conference and served as a panellist at the Science Forum South Africa in December 2018.

The Peer-Learning for the Emerging Researchers' Knowledge and Sharing Advancement (PERKA) initiative is a two-year project funded by the Carnegie Corporation of New York and implemented by the National Research Foundation (NRF) of South Africa in collaboration with the Centre for the Advancement of Scholarship at the University of Pretoria, South Africa. The objective of PERKA is to identify, analyse, document and share the key lessons learned from the Corporation's investment in postdoctoral fellowships in Africa through a collaborative, participatory peer-learning approach, and to document and investigate partnership models for postdoctoral fellowship in Africa. PERKA is also an opportunity for institutions, organisations and programmes funding postdoctoral fellowships to share experiences, build networks and learn about models for good practice from peers across the continent.

Dr Melody Mentz-Coetzee has been appointed as Research Associate at CAS working on PERKA, and Dr Farai Kapfudzaruwa has been appointed as a postdoctoral fellow in the initiative. Prior to joining the PERKA team, Dr Melody Mentz-Coetzee worked for the past six years as an independent evaluation

practitioner, engaged in evaluation projects at national, pan-African and international level. Her work has focussed on mixed-methods approaches to assessing the development of individual and systems capacities in and for education, science, technology and innovation. Dr Kapfudzaruwa was formerly a postdoctoral fellow at the United Nations University (Tokyo), and is currently coordinating the Education for Sustainable Development (ESDA) activities on behalf of UP which hosts the ESDA Secretariat for 2019. ESDA, a joint initiative between the African Development Bank (AfDB) and the University of Tokyo, Japan has been active for the past 10 years and has 8 member universities, including most recently the University of Pretoria.

During 2018 Professor Frans Swanepoel was appointed as a foreign member of the Ugandan National Academy of Sciences, and as a visiting professor at the Wangari Maathai Institute for Peace and Environmental Studies. In this latter role he has been invited to participate in the development of the first PhD in Sustainability Science on the African continent led by the Institutes Distinguished Chair Professor Kazuhiko Takeuchi from Japan. Professor Swanepoel was the only South African invited to participate in the Bellagio meeting on the urbanisation of Africa's food systems and spent time at the University of Western Australia's Africa Research and Engagement Centre (AFREC) as Visiting Fellow. Professor Swanepoel was also seconded to fulfil the role of UP's Director for Strategic International Partnerships. Several notable agreements have been established with leading international entities, including with (i) the University of Western Australia, (ii) the University of Montpellier's internationally focused Montpellier University of Excellence (MUSE) and its flagship project the Montpellier Advanced Knowledge Institute on Transitions (MAK'IT), and (iii) the internationally recognised Wageningen University and Research.

Professor Swanepoel and Dr Mentz-Coetzee were members of the team preparing for the first meeting of the Committee of Ten Heads of State and Government (C10) Championing Education, Science and Technology in Africa, whose first meeting took place in November 2018.

The two programmes led by Professor Swanepoel have appointed four visiting fellows during 2018. Professor Teboho Moja (Professor of Higher Education at New York University) is working with PERKA, while Professor Adipala Ekwamu (Executive Secretary of RUFORUM) and Drs Patrick Caron (MUSE Director) and Lindiwe Sibanda (former CEO of the Food, Agriculture and Natural Resources Policy Analysis Network – FANRPAN) are working with ATA.



RESEARCH FELLOWS IN 2018



Professor Johan Bergh

Professor Johan Bergh published his book, *Paul Kruger. Speeches and Correspondence, 1850-1904*, in late December 2018. The book is similar to an Afrikaans language book published in 2017 on the same topic, however in this publication Professor Bergh covers a much longer period.



Professor Tinyiko Maluleke

Professor Maluleke commenced 2018 by spending two months in Grand Rapids, USA, where he started work on a book manuscript on religion and politics in South Africa. Work on this manuscript is ongoing. During this period, Professor Maluleke gave two public lectures, one at the Calvin Theological Seminary and the other at Calvin College on 6 March 2018, where he spoke on "Giving an Account of the Hope in Nelson Mandela". He officially joined the Centre the Centre in April 2018. During the year, Professor Maluleke was a judge for the National Institute for Social Sciences and Humanities book prize - non-fiction category - 2018, was an Erasmus+ Mobility Guest Lecturer at the University of Vienna in April 2018, and his Google Scholar H Index rose from 19 to 21. Professor Maluleke also achieved an excellent NRF rating of B1, which took effect from 1 January 2018.



Professor Sue Nicolson

Professor Nicolson's main research activities in 2018 were in the field of honey bee nutrition. Habitat transformation and loss leads to a shortage of nectar and pollen or a lack of diet diversity, and malnutrition in bees plays a role in the current worldwide declines in bee populations. Much of her research was carried out in collaboration with Christian Pirk of the Social Insects Research Group (SIRG). They recently showed that storage of sunflower pollen as bee bread in the hive does not make it easier to digest, contrary to popular opinion. Interacting stressors affect bee health, so they are also looking at interactions between insecticides and nutrition. They found that the responses of young bees to sucrose solutions are impaired by inclusion of neonicotinoid pesticides in these solutions. This is important for nectar foraging at contaminated flowers. In 2018, with colleagues in the UK and Israel, Professor Nicolson published a review of honey bee nutrition in the high impact journal *Annual Review of Entomology*. This synthesised much of their joint research during funding by the UK Insect Pollinators Initiative from 2011-14 and subsequently. A book on bee nutrition is currently in progress.

Professor Nicolson also supervised three doctoral students and postdoctoral fellow in 2018.



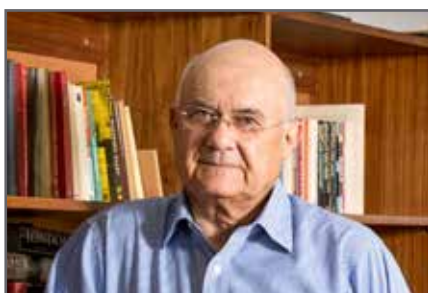
Dr Jannie Pretorius

Dr Pretorius continued his interdepartmental, interfaculty research, participating in projects in the Mathematics, Mechanical Engineering, Chemistry, and Chemical Engineering departments. In 2018, his research activities included a continuation of the IBM *Concept Proof* project in computational sciences, preparation of journal articles on crystallography derived from x-ray and neutron sources, dedicated development of a novel cluster task scheduler module, and acted as an external journal reviewer on a disputed paper to be published in *Acta Crystallographica* journal. Dr Pretorius also supervised a doctoral student, Ms Natasha Misheer, who is completing her research on the topic *ClO₂ as Novel Water Purification Agent* in 2019.



Professor Niko Sauer

Professor Niko Sauer continued writing his manuscript provisionally titled *Dynamically Interactive Boundary Conditions and Implicit Evolution Equations*. He continued his work with the Department of Mathematics and Applied Mathematics, collaborating on two journal articles, one with Professor Jacek Banasiak and Dr Wha-Such Lee and the other with Simba Dziwa. During in 2018 he supervised Simba Dziwa to the completion of his Masters research. He has continued working with Dr Lee on the project "Equations of evolution" within the Department of Mathematics and Applied Mathematics.



Professor Charles van Onselen

Professor van Onselen continues his in-depth research into the nature and expression of the complex historical relationship between Anglophone, urban, industrial and Protestant South Africa and Lusophone, rural, commercial and Catholic Mozambique from the late 19th century to the mid-20th century. He is currently writing up one major aspect of that relationship - that of the role that the Eastern Main Line between Booyens and Ressano Garcia played in the conveyance of coerced African mine labour from Mozambique to the ultra-repressive mine compound system of the Witwatersrand. A social history of a trans-national return rail journey during a formative period of the southern African industrial revolution this work is scheduled to appear, in book form, in early 2020 from a leading commercial publisher.

EXTERNAL RESEARCH FELLOWS



Professor Ivan Horak

Professor Horak continued his excellent research on the parasites of wildlife, publishing a manuscript on *The Ixodid Ticks (Acari: Ixodidae) of Southern Africa* in 2018. The book is a comprehensive work summarizing the current state of knowledge of the biology of the hard ticks (Acari: Ixodidae) of Southern Africa. Further publications include a two journal articles on identifying ticks and tick-borne pathogen transmission networks in South African wildlife. Professor Horak has completed a manuscript on Platyhelminthes, *Trematoda: Parasiticide screening: in vitro and in vivo tests with relevant parasite rearing and host infection/infestation methods*, which is being finalised for publication in 2019.



Professor Banie Penzhorn

In 2018, Professor Penzhorn's research was focused on piroplasms (*Babesia* and *Theileria* species) and other haemoparasites of dogs and cats in South Africa, as well as in wildlife in general, and avian haemoparasites (in collaboration with Prof D.A. Abernethy and Dr M. Chaisi). He published two peer-reviewed journal articles and contributed a manuscript titled "A novel pathogenic *Babesia* species detected in domestic cats in South Africa", which has been submitted to *Parasites & Vectors*. He has a further seven publications in preparation for 2019. He supervised two doctoral students, and a masters student who submitted her thesis in late 2018. In July 2018, Professor Penzhorn was Appointed acting Research Coordinator in the Faculty of Veterinary Science, which lasted until December 2018. Further research activity by Professor Penzhorn in 2018 included being invited to attend the first ever international meeting focusing exclusively on babesiosis, hosted by the School of Medicine, Yale University; Invited by Bayer Animal Health to attend the 13th Companion-animal Vector-borne Diseases World Forum in Windsor, UK in March 2018; serving as a one of five moderators of the academic programme of the School of Veterinary Medicine at the University of Namibia; and reviewing manuscripts for journals such as *Parasites & Vectors* (IF=3.163), *International Journal for Parasitology: Parasites and Wildlife* (IF=2.777), *Ticks and Tick-borne Diseases* (IF=2.612), *Parasitology Research* (IF=2.558), and *Veterinary Parasitology* (IF=2.422).

HIGHLIGHTS FROM 2018

UP APPOINTS DIRECTOR FOR INTERNATIONAL PARTNERSHIPS



Prof Frans Swanepoel has been appointed as Director: Strategic International Partnerships effective 1 March 2018. In this new capacity, he will work closely with the Executive and Deans across the University to:

- Enhance UP's international presence by cultivating, sustaining and expanding strategic international partnerships with a deliberate focus on Africa,
- Mobilise funding for internationalisation to sustain UP's international activities and to facilitate the acquisition of international grants, and
- Provide supportive leadership to achieve and sustain internationalisation at UP.

PROF FRANS SWANEPOEL TO CHAIR CANADIAN DEVELOPMENT RESEARCH ADVISORY COUNCIL FOR AFRICA

Prof Frans Swanepoel has been appointed Chairperson of the Council of Advisors (CoA) of the Science Granting Councils Initiative (SGCI) in sub-Saharan Africa.

Prof Swanepoel was selected by Canada's International Development Research Centre (IDRC). Other CoA members include Prof Teboho Moja, NYU, USA; Dr John Kirkland, NIESR, UK; Dr Wanjiru Kamau-Rutenberg, AWARD, Kenya; Prof Nelson Torto, AAS, Kenya; and Dr Gertrude Ngabirano, EASTECO, Rwanda.

Science Granting Councils that are more effective in their work are expected to strengthen national science, technology and innovation (STI) systems, which would lead to nationally led research that contributes to social and economic development.

Launched in April 2015 with support from the UK's Department for International Development, the IDRC and South Africa's National Research Foundation, the SGCI's role is to strengthen the capacities of Councils in 15 sub-Saharan African countries through work in four inter-related thematic areas. The SGCI aims to produce more effective research management practices among Councils; improve the ability to design and monitor research programmes based on the use of robust STI indicators; increase the ability of Councils to promote knowledge transfer to the private sector; and increasingly coordinate and network Councils.

The Swedish International Development Cooperation Agency joined the partnership in July this year. It has been investing more funds to strengthen the gains made in the past three years, and has helped extend the partnership to 2023.



SA CABINET REAPPOINTS PROF TINYIKO MALULEKE TO NRF BOARD



The South African Cabinet recently reappointed University of Pretoria Professor Tinyiko Maluleke to the National Research Foundation (NRF) board. On his reappointment he said, "After serving as a member of the board for the past three years, I feel honoured to have been reappointed into a board tasked with oversight for the governance and compliance of one of the most important agencies in the national system of innovation."

"The ASSAf Humanities Book Award is a biennial book award for a publication of scholarly, well-written work of non-fiction. The book should be noteworthy in its contribution to developing new understanding and insight of a topic in the Humanities, Social Sciences and Performing Arts."

PROFESSOR CHABANI MANGANYI'S MEMOIR WINS ASSAF AWARD

The Academy of Science of South Africa (ASSAf) has announced that Professor Chabani Manganyi, a research associate at the Centre for the Advancement of Scholarship, has been awarded its biennial Humanities Book Award for his memoir, *Apartheid and the Making of a Black Psychologist: A Memoir*.

Professor Manganyi's memoir, published in 2016 by Wits University Press, details what it meant to be a committed black intellectual activist during the apartheid years and beyond. Starting with his rural upbringing in rural Limpopo, the book travels with Professor Manganyi to Yale University in the USA, and through his experiences as clinical practitioner, a researcher, a biographer, an activist and a leading educationist in the early government of South Africa's democracy.

The ASSAf Humanities Book Award is a biennial book award for a publication of scholarly, well-written work of non-fiction. The book should be noteworthy in its contribution to developing new understanding and insight of a topic in the Humanities, Social Sciences and Performing Arts.

In its recommendation, ASSAf writes:

Chosen from among 32 entries, the memoir presents a picture of the marginal man and the exilic state he experienced in his pursuit of becoming one of the first Black psychologists. The book, as reviewers have commented, weaves a rich and layered tapestry that surfaces not simply autobiographical experience; but is in fact also an autobiography of a black intellectual shaped by the psychosocial intricacies of black subjectivity (especially within the constraints of apartheid social relations). It is in several ways not a nostalgic storytelling, but a poignant self-reflective and self-reflexive reading (and analysis) of life, relationships, home, work, ideas, loss, alienation and identity. It is a text – while providing a retrospective account of being located in time and place in the past – at best also offers some deep analysis of issues of our time into the future. This is a compelling text that provides unprecedented depth to the current rhetoric about race, racism, and the meaning of higher education inasmuch as it is a story about the life of a remarkable psychologist, human being and intellectual.



VISITING PROFESSORS



Professor Emil Roduner

May – August 2018

Hosted on behalf of the Department of Chemistry



Professor Charles Travis

25 May – 1 June 2018

Participated in Humanities for the Environment meetings and seminars



Professor Akosua Adomako

Ampofo

21 – 27 June 2018

CAS Advisory Board Member, was invited to give a seminar and conduct a meeting with University of Pretoria students as part of her ongoing research in gender and masculinity.



Professor Alice Pell

16 – 23 July 2018

Participated in the University of Pretoria's Sustainable Development Goals (SDGs) lecture series.



Professor Eileen Julien

24 – 30 August 2019

Presented a seminar on the African diaspora in American cities, discussed her contribution to a forthcoming project on urbanity and the rural hinterlands.



Professor Robin Moritz

22 October 2019

Ongoing collaboration with SIRG, presented at the launch of his co-authored book *Dark Side of the Hive* with Professor Robin Crewe.

PUBLICATIONS

Professor James Ogude

Ogude, J. 2018. *Ubuntu and Personhood*. Africa World Press.

Ogude, J. 2018. "Introduction: Ubuntu and Personhood". In *Ubuntu and Personhood* edited by James Ogude. Trenton, NJ: African World Press. (p1-10).

Ogude, J. 2018. "Reflections on Personhood through the Eyes of A.C. Jordan's *The Wrath of Ancestors*". In *Ubuntu and Personhood*, edited by James Ogude. Trenton, NJ: African World Press, (p253-262).

Professor Johan Bergh

Bergh, J. S. 2018. *Paul Kruger. Speeches and Correspondence, 1850-1904*. Boekenfontein: Pretoria.

Professor Robin Crewe

Journal Articles

Jarosch-Perlow, A., Yusuf, A.A., Pirk, C.W.W., Crewe, R.M., Moritz, R.F.A. 2018. Control of mandibular gland pheromone synthesis by alternative splicing of the CP-2 transcription factor gemini in honeybees (*Apis mellifera carnica*). *Apidologie*, 49 (4), pp. 450-458. DOI: 10.1007/s13592-018-0571-5

Mumoki, F.N., Pirk, C.W.W., Yusuf, A.A., Crewe, R.M. 2018. Reproductive parasitism by worker honey bees suppressed by queens through regulation of worker mandibular secretions. *Scientific Reports*, 8 (1), art. no. 7701. DOI: 10.1038/s41598-018-26060-w

Yusuf, A.A., Crewe, R.M., Pirk, C.W.W. 2018. Turning workers into false queens: the role of exogenous pheromones in regulating reproduction in worker honey bees. *Journal of Experimental Biology*, 221 (13), art. no. jeb175505. DOI: 10.1242/jeb.175505

Peer-reviewed Books

Moritz, R., Crewe, R.M. 2018. *The Dark Side of the Hive: The Evolution of the Imperfect Honey Bee*. Oxford University Press, New York, USA. pp. 186.

Conference and Workshop Contributions

Crewe, R., & Human, H. The capensis story in 2018. Northern Beekeepers Association, Pretoria. 17 February, 2018.

Crewe, R.M. Keynote Address. Harnessing Science, Engineering and Medicine to address Africa's challenges. SAYAS Food Security & Policy Workshop: Eradication of hunger and achievement of food security. Pretoria, 11-13 April 2018.

Crewe, R., Human, H., Yusuf, A. & Pirk, C. The origin of the capensis clonal parasite. Würzburg workshop from 19th to 20th June 2018. Würzburg, Germany.

Crewe, R., Human, H., Yusuf, A. & Pirk, C. The capensis story in 2018. BEECON 2018 organised by the KZN Bee Farmers Association, Pietermaritzburg. 6-7 July 2018.

Crewe, R., Mumoki, F., Yusuf, A., Erler, S. & Pirk, C. Presence of C10 fatty acids in the cephalic secretions of bees. 34th Annual Meeting of the International Society of Chemical Ecology, 12-18 August 2018, Budapest, Hungary. p. 99.

Crewe, R.M. & Moritz, R.F.A Antibiotics, sex and social regulation: the role of C10 short chain fatty acids in honey bee biology. EURBEE8 -8th Congress of Apidology, Ghent, Belgium. 18-20 September 2018. P 99.

Crewe, R.M., Human, H. & Yusuf, A.A. Use of quadcopter drones to estimate honey bee population densities and define honey bee drone congregation locations. EURBEE8 -8th Congress of Apidology, Ghent, Belgium. 18-20 September 2018. p 180.

Crewe, R., Yusuf, A., Human, H., and Pirk, C. The analysis of a drone congregation area on Telperion Nature reserve. 9th Oppenheimer-De Beers Group Research Conference, 16-17 October 2018, Johannesburg. p 19.

Crewe, R., Human, H., & Yusuf, A.A. Using drones to catch honey bee drones. Southern Bee Keepers Association, 1 November 2018, Johannesburg.

Presentations to External Organisations both National and International

Crewe, R.M. Participated in the International Forum on "Women and Sustainable Development in Africa". Organised by The Tanzania Academy of Sciences, 8-10 March 2018 Dar es Salaam, Tanzania.

Crewe, R.M. 50/50 Interview. Doodsbenoud an attack by honey bees. 6 August, 2018. YouTube <https://youtu.be/UWhsoe0Uf4A>

Crewe, R.M. Presentation on scholarly publishing to retreat of young scholars organized by the University of the Free State, Golden Gate, 24-26 August 2018.

Crewe R.M. & Moritz, R. OUPblog – Animal of the month: the evolution of the imperfect honeybee. 11 October 2018. www.blog.oup.com.

Crewe, R.M. & Elliot, T. Preliminary conclusions of the IAP workgroup Harnessing Science, Engineering and Medicine to address Africa's challenges. Fourteenth Annual Meeting of African Science Academies (AMASA 14), 11-14 November 2018, Cotonou, Benin.

Crewe, R.M. Chair: SciELO Advisory Committee meeting. Discussion of the on-going activities of the online open access South African platform and its success. 21 November 2018, Johannesburg.

Crewe, R.M. Summary of the role of Academies in addressing the SDGs. 1st Annual Multi-Stakeholder Forum: Science, Technology and Innovation for the Sustainable Development Goals (SDGs). Organised by DST and ASSAf, CSIR ICC, Pretoria. 5 December 2018.

Crewe, R.M. Council member (Africa). 38th Council Meeting of the World Academy of Sciences (TWAS), 25-29 November, 2018, Trieste, Italy.

Crewe, R.M. Chair of Session: The future of the Natural Science professions. Science Forum South Africa. 12-14 December 2018, Pretoria.

Professor Tinyiko Maluleke

Peer-reviewed Publications

Maluleke, Tinyiko, 2018. "Nelson Mandela: A rose that must grow from the cracks in the concrete once again", in Busani Ngcaweni & Sabelo J. Ndlovu-Gatsheni (eds) *Nelson Mandela: Decolonial ethics of liberation and servant leadership*. New Jersey, Africa World Press, 77-92.

Maluleke, Tinyiko, 2017. "South Africa", in Ross, Kenneth. Kwabena, J. Asamoah, Todd. M. Johnson (eds) *Christianity in Sub-Saharan Africa*. Edinburgh: Edinburgh University, 43-54. (book appeared in 2018)

Maluleke, T. 2018. "Of Wounded Killers and 'Failed Men': Broadening the Quest for Liberating African Masculinities". *African Journal of Gender and Religion*, 24(1): 33-78.

Book Reviews

Maluleke, T. 2018. "Search for true meaning of manhood has place in history". [Review of Thando Mqgqolozana, A man who is not a man. Pietermaritzburg: UKZN, 2007]. *Daily Dispatch*. 21 July 2018. Available: <https://www.dispatchlive.co.za/news/opinion/2018-07-21-opinion--search-for-true-meaning-of-manhood-has-place-in-history/>.

Other Publications

Maluleke, T. 2018. "Time for ANC to speak the truth". *The Star*. 17 February 2018. Available: <https://www.iol.co.za/saturday-star/opinion/time-for-anc-to-speak-the-truth-13402657>.

Maluleke, T. 2018. "The deep roots of Ramaphosa's Thuma Mina". 21 February 2018. Available: <https://allafrica.com/stories/201802210001.html>.

Maluleke, T. and Ngatane, N. 2018. "Op-Ed: Meet Neria – her name is Elizabeth Tsvangirai". *Daily Maverick*. 25 February 2018. Available: <https://www.dailymaverick.co.za/article/2018-02-25-op-ed-meet-neria-her-name-is-elizabeth-tsvangirai/>.

Maluleke, T. 2018. "The ANC's reluctant prodigal son remains elusive". *Sunday Independent*. 18 March 2018. Available: <https://www.iol.co.za/sundayindependent/analysis/the-ancs-reluctant-prodigal-son-remains-elusive-13887549>.

Maluleke, T. 2018. "Blaming Mandela is easy, but be careful". *Sunday Independent*. 25 March 2018. Available: <https://www.iol.co.za/sundayindependent/dispatch/blaming-mandela-is-easy-but-be-careful-14057069>.

Maluleke, T. 2018. "Men are not trash, they are killers". *Sunday Independent*. 6 May 2018. Available: <https://www.iol.co.za/sundayindependent/analysis/men-are-not-trash-they-are-killers-14806563>.

Maluleke, T. 2018. "The pain of not-so-happy families". *Sunday Independent*. 20 May 2018. Available: <https://www.iol.co.za/sundayindependent/analysis/the-pain-of-not-so-happy-families-15069478>.

Maluleke, T. 2018. "We need Thuma Mina-like grand plan to save SA's women". *Sunday Independent*. 3 June 2018. Available: <https://www.iol.co.za/sundayindependent/analysis/we-need-thuma-mina-like-grand-plan-to-save-sas-women-15286593>.

Maluleke, T. 2018. "ANC has a critical crisis of leadership". *Sunday Independent*. 17 June 2018. Available: <https://www.iol.co.za/sundayindependent/analysis/anc-has-a-critical-crisis-of-leadership-15515058>.

Maluleke, T. 2018. "Price we pay for toxic masculinities". *Sunday Independent*. 1 July 2018. Available: <https://www.iol.co.za/sundayindependent/dispatch/price-we-pay-for-toxic-masculinities-15771392>.

Maluleke, T. 2018. "A Time to put Mandela where he belongs". *Sunday Independent*. 15 July 2018. Available: <https://www.iol.co.za/news/opinion/time-to-put-nelson-mandela-where-he-belongs-16033892>.

Maluleke, T. 2018. "ANC culprits are getting away with murder by electing Mahlangu". *Sunday Independent*. 29 July 2018. Available: <https://www.iol.co.za/sundayindependent/analysis/anc-culprits-are-getting-away-with-murder-by-electing-mahlangu-16302389>.

Maluleke, T. 2018. "Marikana was a bloody massacre". *Sunday Independent*. 19 August 2018. Available: <https://www.iol.co.za/sundayindependent/dispatch/marikana-was-a-bloody-massacre-16635152>.

Maluleke, T. 2018. "Revolt against Mbeki changed ANC's course". *Sunday Independent*. 25 Septemebr 2018. Available: <https://www.iol.co.za/sundayindependent/opinion-revolt-against-mbeki-changed-ancs-course-2072423>.

Professor Julian Muller

Muller, J., Eliastam, J. and Trahar, S. 2018. *Unfolding Narratives of Ubuntu in Southern Africa*. Routledge.

Professor Sue Nicolson

Journal Articles

Wright, G.A., Nicolson, S.W. and Shafir, S. 2018. Nutritional physiology and ecology of honey bees. *Ann. Rev. Ent.* 63, 327-344.

Nicolson, S.W., Da Silva Das Neves, S., Human, H and Pirk, C.W.W. 2018 Digestibility and nutritional value of fresh and stored pollen for honey bees (*Apis mellifera scutellata*). *J. Insect Physiol.* 107, 302-308.

Du Plessis, M., Johnson, S.D., Nicolson, S.W., Bruyns, P.V. and Shuttleworth, A. 2018. Pollination of the "carrian flowers" of an African stapeliad (*Ceropegia mixta: Apocynaceae*): the importance of visual and scent traits for the attraction of flies. *Plant Syst. Evol.* 304, 357-372.

Démare, F.J., Pirk, C.W.W., Nicolson, S.W. and Human, H. 2018. *Neonicotinoids dcrease* sucrose responsiveness of honeybees at first contact. *J. Insect Physiol.* 108, 25-30.

Bosua, H.J., Nicolson, S.W., Archer, C.R. and Pirk, C.W.W. 2018. Effects of cage volume and bee density on survival and nutrient intake of honeybees (*Apis mellifera L.*) under laboratory conditions. *Apidologie*, 49, 734-746.

Ngcamphalala, C.A., Bailey, I.E. and Nicolson, S.W. 2018. Nectar intake and foraging efficiency: the responses of sunbirds to flower morphology. *J. Ornith.* 159, 1031-1041.

Other Publications

Nicolson, S. 2018. "Honey bees, already at risk, face a new threat from a common herbicide". *The Conversation*. 29 November 2018. Available: <https://theconversation.com/honey-bees-already-at-risk-face-a-new-threat-from-a-common-herbicide-106624>.

International Conferences

Du Rand, E.E., Nicolson, S.W., Pirk, C.W.W. and Apostolides, Z. Proteomic and metabolomic analysis reveals rapid and extensive nicotine detoxification in honey bees. Invited paper, Entomology 2017 (Annual meeting of the Entomological Society of America), Denver, Colorado, Nov 2017.

Malod, K., du Rand, E., Karsten, M., Archer, C.R., Nicolson, S.W. and Weldon, C.W. Do host specialists cope better with oxidative damage and therefore live longer? Paper, XI European Congress of Entomology, Naples, July 2018.

Professor Emil Roduner

Roduner, E. 2018. "Selected fundamentals of catalysis and electrocatalysis in energy conversion reactions—A tutorial". *Catalysis Today*, 309: 263-268.

Roduner, E. 2018. "Superatom chemistry: promising properties of near-spherical noble metal clusters". *Physical Chemistry Chemical Physics*, 20: 23812-23826.

Professor Niko Sauer

Sauer, N., Banasiak, J. and Lee, W-S. 2018. "Causal relations in support of implicit evolution equations". *Mathematical Modelling*, 11, 85-102.¹

Dziwa, S. and Sauer, N. 2018. "Waves without the wave equation: Examples from nonlinear acoustics". *International Journal of Engineering Science*, 133, 196-209.²

¹ The paper is a survey of work done in South Africa by the three authors who did all the work. The authors have all been associated with the University of Pretoria.

² The paper represents ideas from Simba Dziwa's MSc thesis which was (finally) completed successfully in 2018.

Human Economy Programme

Books

Maurer, B., Musaraj, S. & Small, I. (eds.), 2018. *Money at the Margins: Global Perspectives on Technology, Financial Inclusion, and Design*. Human Economy Series, vol. 6. New York: Berghahn Books.

Rakopoulos, T., 2018. *From Clans to Co-ops: Confiscated Mafia Land in Sicily*. Human Economy Series, vol. 4. New York: Berghahn Books.

Book Chapters

Bae, B.B., 2018. 'Healing justice: Traditional healers' mediation court in a South African township'. In C. Wielanga (Ed.) *Women in the Context of Justice: Continuities and Discontinuities in Southern Africa*. Pretoria: CSA&G Press (pp. 20-31).

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Professor Ivan Horak

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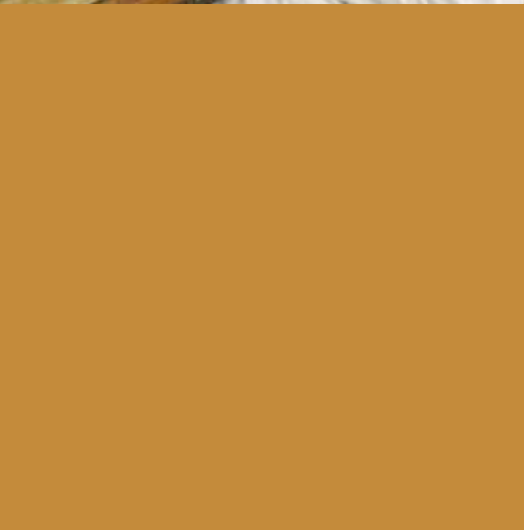
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University of Pretoria
Private Bag X20 Hatfield 0028, South Africa
Tel +27 (0)12 420 3111 • **Fax** +27 (0)12 420 4555

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