UNIVERSITY OF CAPE TOWN YEAR IN REVIEW 2019



WELCOME FROM THE CHANCELLOR

2019 was my final year as Chancellor of the University of Cape Town (UCT), capping 20 years of change, enrichment and growth for myself and the institution. When I took up this office in 1999. Dr Mamphela Ramphele was the vice-chancellor, and UCT became the first university in Africa with two black women at the helm. Now, 20 years later, I am so proud to be leaving UCT in the capable hands of two extraordinary young women in the roles of chancellor and vice-chancellor. By the end of 2019, under Vice-Chancellor Professor Mamokgethi Phakeng, all of UCT's academic executive positions were held by women from different disciplines, races and backgrounds.

Of course, transformation still has a long way to go everywhere in the world, perhaps especially so in gender equality. This is why the vice-chancellor allocated scholarships for women researchers worth R22.5 million in 2019 to help us all reconsider our views of gender in South Africa and to pave the way for these new researchers to influence fields of study previously dominated by men.

Over the past 20 years, we have seen a new generation of academics begin to emerge across UCT. They help to build diversity while sharing a commitment to excellence in higher education. They provide inspiration for every UCT graduate to become a potential leader. Through these exceptional lives, UCT is helping to transform South Africa and the world.

GRACA MACHEL Chancellor (1999-2019)



WELCOME FROM THE CHAIR OF

Around the world, higher education is grappling with questions of sustainability. The University of Cape Town (UCT) took a series of decisions in 2019 to address these questions. We believe higher education must steer the Fourth Industrial Revolution (4IR) to improve society in Africa and to help address difficult global problems, such as poverty and inequality, joblessness, climate change and resource management.

We established the Environmental Sustainability Directorate in 2019 to reduce our carbon footprint, transform into a green campus and help South Africa to use resources more wisely. We have already started building in our students the leadership skills they will need in 4IR professions. Our cross-disciplinary programmes in the School of Information Technology and the Hasso Plattner School of Design Thinking (d-school) are designed to develop leadership, critical thinking, complex problem-solving and other essential attributes in students across all our faculties. This will help to keep UCT teaching, learning and research relevant in a changing society.

UCT's Graduate Exit Survey, released in May 2019, revealed that more than half of our 2018/19 graduate cohort were employed in South Africa's private sector, with over 20% earning more than R20 000 a month. Serving the professional sectors with future leaders and innovators is the strongest evidence of UCT's sustainability in a changing world.

SIPHO M PITYANA **Chair of Council**



The VC celebrated National Women's

Day on 8 August with students from Graca Machel Hall. The theme for the lunch event was raising up African women in academia and in leadership roles.

"HOW SHOULD UCT AND THF WAY WE DO OUR WORK CHANGE TO SHAPE. LEAD AND MAKE THE FUTURE IN THIS RAPIDLY CHANGING WORLD?"

Whether you call it change. transformation or disruption, it's the only constant in life. When our students went into protests in recent years, they disrupted the university, becoming a catalyst for accelerating the transformation of our institution. They forced us to examine the assumptions we make about ourselves and others, assumptions that often limit what we can achieve. I believe that it is the job of higher education to disrupt. We have to take ownership of change by becoming something different, creating something new, for our own good and for that of our society. These opportunities present themselves all the time; what's difficult is putting them to good use. Our focus at UCT continues to be the development of students; they are the ones who see the necessity and benefits of change and remain agile and grab the opportunities that this increasingly technological and constantly changing world offers us. In 20 years, many of the students who started university in 2019 will find themselves in leadership positions. Graduates trained with the necessary skills - creativity, flexibility, problemsolving, emotional intelligence, critical thinking and the ability to see the big picture beyond every short-term problem - will be able to respond effectively to unexpected challenges and will help to develop this continent. As a leading research university that

on by the death of UCT student Uyinene "Nene" Mrwetyana, UCT staff and students coalesced on Parliament in protest of increasing sexual and gender-based violence in the country.

Cover image: Spurred

VICE-CHANCELLOR'S WELCOME

excels at teaching and learning. UCT remains committed to being the best university in Africa and the best for Africa.

At the end of 2018 I instituted the Futures Think Tank, led by Professor Alison Lewis, dean of Engineering & the Built Environment. This team of forward-thinking minds representing different disciplines from across UCT devoted 2019 to discussing one pivotal question: "How should UCT and the way we do our work change to shape, lead and make the future in this rapidly changing world?"

UCT's response is a commitment to unleashing the potential within each of us to create a fair and just society for all. This is a logical extension of our mission of the past two decades to use education to create socially responsive change that improves lives. We believe that leadership in the Fourth Industrial Revolution must include such a commitment to social responsiveness so that the technologies of the future can meet the real-world needs of the poor and marginalised in Africa and around the world.

2019 introduced a new focus on environmental sustainability, both in terms of the university's ambitions of being a green campus and in terms of teaching, research and governance. It's about water and energy efficiency, human health, green investment and good citizenship. UCT's draft environmental sustainability strategy includes achieving net

zero water, net zero waste and net zero carbon by 2050 - incredibly ambitious goals in the Africar context.

Over the past year, UCT has taken further steps towards making our campus a more inclusive space. This is a work in progress, and we realise that building a community that brings together people representing so many backgrounds, cultures, sexual identities, languages and experiences requires thoughtful care. It has been heartening to see all the university initiatives that are working towards transforming our university and our society.

The changes we want to see in our world require decisive, courageous and inspirational leadership. In December 2019 we bid a loving farewell to our former chancellor, Mrs Graca Machel, whose warm strength continues to steer us as a university. In 2020 we welcome our new chancellor. Dr Precious Moloi-Motsepe. who sets a dynamic example through her commitment to service, philanthropy and building "Brand SA".

The ongoing support of our staff and our students is invaluable On behalf of UCT, I thank you for being such a strong part of our community. UCT is what it is because of your hard work and commitment!

Professor Mamokgethi Phakeng Vice-Chancellor

THE UCT LEADERSHIP -K(-)

UCT's senior management team is tasked with implementing the institution's strategic goals, building its financial health and maintaining its academic excellence.



VICE-CHANCELLOR Prof Mamokgethi Phakeng





Executive Director: Communication and Marketing Gerda Kruger





Executive Director: Student Affairs Dr Moonira Khan



Deputy Vice-Chancellor: **Research and** Internationalisation Professor Sue Harrison

Executive Director: Research Office Dr Marilet Sienaert

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Executive Director: Human Resources Miriam Hoosain

Officer

Dr Reno Morar

Executive Director:

Finance

Ashley Francis

Executive Director: Information and Communication **Technology Services** Richard van Huyssteen

Executive Director: Properties and Services Mughtar Parker



Deputy Vice-Chancellor: Teaching and Learning Associate Professor Lis Lange

Dean: Faculty of Commerce Associate Professor Linda Ronnie

Dean: Faculty of Engineering & the Built Environment Professor Alison Lewis

Interim Dean: Faculty of Health Sciences Professor Carolyn Williamson

> Dean: Faculty of Humanities Professor Shose Kessi

Dean: Faculty of Law Professor Danwood Chirwa

Dean: Faculty of Science Professor Maano Ramutsindela

Interim Dean: Centre for Higher Education Development Associate Professor Alan Cliff

> **Director: Graduate** School of Business Kosheek Sewchurran

Executive Director: UCT Libraries Uiala Satgoor

KEY APPOINTMENTS



Dean: Faculty of Law Professor Danwood Chirwa was appointed Dean of the Faculty of Law, effective 1 January 2019, having formerly served as the deputy dean for postgraduate studies. He has held various leadership positions within the faculty, including acting dean in 2014 and head of the Department of Public Law from 2009 to 2014, and in 2018



Dean: Faculty of Science Professor Maano Ramutsindela has been the Dean of the Faculty of Science since 1 March 2019. He previously served on the UCT Council and the Senate Executive Committee. He also represented UCT in the Worldwide Universities Network (WUN) and is the founding co-chair of the WUN Global Africa Group.



Deputy Vice-Chancellor: Research and Internationalisation

Professor Sue Harrison took over as Deputy Vice-Chancellor for Research and Internationalisation on 1 August 2019. She holds the South African Research Chairs Initiative (SARChI) Chair in Bioprocess Engineering and is the director of both the Centre for Bioprocess Engineering Research (CeBER) and the Future Water research institute at UCT.

Caucus





Chief Operating Officer Dr Reno Morar, previously the Deputy Dean for Health Services in the Faculty of Health Sciences. was appointed as UCT's new Chief Operating Officer, effective 1 January 2019. His career includes 20 years of experience in policy development and implementation, operational management, monitoring and evaluation, and people and human resource management.



Executive Director: UCT Libraries

Ujala Satgoor has been serving as the Executive Director of UCT Libraries since 1 January 2019. She has years of experience in the higher education environment and was previously the director of library services at Rhodes University, a position she held from 2012.



Director of Environmental Sustainability Manfred Braune started his role as Director of Environmental

Sustainability on 1 April 2019 Previous to taking up his position at UCT, Braune spent 10 years working for the Green Building Council of South Africa, a small but impactful non-profit organisation that has been big on driving green change in the built environment.



Director: The Nelson Mandela School of Public Governance Faizel Ismail started as Director of the Mandela School in July 2019 on the back of a career negotiating major agreements for South Africa. He spent 10 years as ambassador to the World Trade Organisation and as a senior adviser to the Minister of Trade and Industry.



Dean: Faculty of Humanities Professor Shose Kessi took up her role as Dean of the Faculty of Humanities on 15 November 2019. having acted in the role since 1 March 2019. She was previously appointed to the Special Executive Task Team (2016) and the University Strategy Forum (2017). She is the founder of the UCT Black Academic

RETIREMENT **Executive Director:**

Research and Internationalisation Since taking up the directorship

in September 2000. Dr Marilet Sienart has, among her lengthy list of achievements and contributions. led the Research Office, the Office of Research Integrity, the Directorate of Postgraduate Studies and Researcher Development, and the Postgraduate Centre and Funding Office Her contribution to the research enterprise at UCT is undeniable

FOSTERING FINANCIAL SUSTAINABILITY

Ashley Francis, Executive Director of UCT's Finance Department, says a forward-thinking approach is the cornerstone of long-term financial sustainability.

In 2019 UCT steadied its financial ship after several challenging years, which saw the #RhodesMustFall and #FeesMustFall protests, the process of insourcing service staff, and a change in the university's executive leadership structure. While financial stability remains reassuring for the organisation, we cannot afford to be complacent. In order to maintain our stable footing and grow beyond it, we will be adopting a forward-thinking approach and instituting financially sustainable measures to ensure the long-term success of the university.

"We will be adopting a forwardthinking approach and instituting financially sustainable measures to ensure the long-term success of the university."

2019 in brief

UCT receives around 50% of its income from state funding and approximately 40% from student fees, demonstrating the strength of the state's influence on the sector nationally. The remaining 10% of funding comes from donations and commercial revenue UCT remains the only tertiary institution in South Africa

that offers financial aid above the government threshold of R350 000 - the university's financial aid programme extends to households that earn up to R600 000 per annuum, UCT also offers sibling rebates for families with a household income of up to R750 000 if both students are studying at UCT.

In 2019 a total of R1.35 billion was made available from various sources to fund financially eligible UCT students. Of this, R273.3 million was allocated to post graduates and R108 billion went to undergraduate students, including R429.3 million from the National Student Financial Aid Scheme which was facilitated by the university

In the year under review, UCT continued to contain its spending culture despite the institution's annual expenses, contributing a substantial saving of R17.3 million in its utilities (R10.2 million for water and sewerage, and R7.1 million for electricity).

The university received R411.2 million in donations in 2019, including both endowment and individual donations. Thanks to the generous donations of 142 UCT staff members the institution managed to raise R1.2 million in 2019. Of these staff members, 117 donated R772 913 directly to student support projects. UCT received an additional

R1.17 billion (actual income received) from external research contracts approved in 2019.

Infrastructure and buildings

2019 saw the completion of the R110 million state-of-the-art academic conference centre at the Graduate School of Business, which achieved a 4-Star Green Star rating from the Green Building Council of South Africa. Construction of the multidisciplinary Neuroscience Centre, a first for the country and the continent, was also completed. The centre was launched in partnership with the Western

General operating budget 2019

	Rm	%
INCOME	3 739	100.0%
State subsidy	1672	44.7%
Tuition fees	1 473	39.4%
Other income	594	15.9%

EXPENDITURE	3 668	100.0%
Staff and related costs	2 319	63.2%
Financial aid and scholarships	213	5.8%
Administration and operating expenses	420	11.4%
Jammie Shuttle	32	0.9%
Library acquisitions, books and journals	89	2.4%
Maintenance	68	1.9%
Rates and utilities	146	4.0%
Computers, furniture and equipment	117	3.2%
Grants to research enterprise	81	2.2%
Grants to student housing and the Baxter Theatre	66	1.8%
Other costs (including depreciation)	117	3.2%

Student financial aid

R1.35 billion in financial aid was made available to UCT students in 2019:

Undergraduates R1.08 billion

Postgraduates R273.7 million



Figures correct at the time of publication

Cape Government and Groote Schuur Hospital

Other building projects in the pipeline include the R38 million extension to the Institute of Infectious Disease and Molecular Medicine (IDM) building, fully funded by UCT: the R222 million Avenue Road student residence; the R82.7 million School of Education building project on middle campus; and the R130 million upgrade to the Chris Hani Building on upper campus.

These projects are partially funded by the Department of Higher Education and Training, with the balance being paid by UCT

Alternative revenue streams

We continue to build or the powerful effects of commercialisation, and UCT spinout company Food and Connect is one successful example. The outlet is embedded in the UCT brand and is built on four key pillars: transformation (people and technology), health and wellness. sustainability and scalability.

Other revenue streams include income from campus film shoots, property leases. hotel accommodation, vacation accommodation and conference management.

completely out of UCT's system in the next four years. The year 2020 will be the start of us working the way we live - with handheld devices, tablets and laptop computers. Stronger together UCT has adopted a top-down approach to financial sustainability, and the vice-chancellor, Professor Mamokgethi Phakeng, and her executive have echoed widespread calls by the Finance Department to develop a financially conscious operational mindset at our institution.

Undergraduate funding

3 undergraduate students (33.3%) received financial aid in 2019.

Of these, 4 935 students received financial aid from the National Student Financial Aid Scheme (NSFAS), with an additional 628 students receiving UCT GAP funding. Of the combined total, 4 150 (75%) were black South Africans (African, Indian, coloured and Chinese).



Of the combined total of Jate students receiving funding, 4 150 (75%) ere black South Africa

Undergraduate funding came from:

Corporate and NSFAS funding external bursaries: R429.3 million R336.8 million

UCT Council approved R209.5 million

External bursaries

External bursaries are a substantial part of student funding and come from various industries worldwide in the form of contracts and donations.

R301 million in external bursaries were made available to 3 889 students (13% of the total student population) in 2019:

1344 undergraduates 2 545 postgraduates R226.5 million R74.5 million

Going paperless

During 2019 we started work on the Shared Services Project, which will introduce a digital finance system that is in tune with a modern, tech-driven world, and replace paper with digitalisation and artificial intelligence.

We garnered the support of the executive and spent the final eight months of 2019 in conversation with the campus community - explaining the concept and our plans to roll out the project in July 2020. Although the project focuses on change management, technology remains key to its success. Our vision is to take paper

While the Finance Department acts as the university's financial

mirror and facilitates its financial culture, the financial sustainability of our institution extends beyond that. As we move into 2020 and beyond, my dream is that we get everyone at UCT to think, talk and act in a financially sustainable way. To borrow the slogan from our World Cupwinning rugby team, the Springboks, we are "Stronger together"!

Ashley Francis. Executive Director: Finance



Postgraduate funding

2 837 postgraduates (33.9% of eligible applicants) received 4 307 awards in 2019.

Of these, 1 011 (34%) were black South Africans (African, Indian, coloured and Chinese).

42.55% of all honours students, 25.95% of all master's and 46.26% of all doctoral students received financial support in 2019.

Postgraduate funding came from:

UCT Council R44.1 million

Investments

R9.5 million

Departmental funding R106.5 million

National

Research

Foundation

R71.8 million

Donations R38.9 million

State R2.9 million

Endowments and other funds



Laptop programme

Since 2017 UCT has been providing laptops to first-time entering students on financial aid, with 1264 laptops being handed out in 2019, bringing the total to 3 029.



The Development and Alumni Department (DAD) faced a challenging year for fundraising in 2019 due to local economic conditions and global political developments. Despite this, the total number of donors to the university increased to 1 319, compared with 1 287 in 2018, and donations totalled R411 million, up from the R404 million raised in 2018. The six most substantial donations in 2019 were:



R238 million

RAISED OVERALL

R25 million

BIGGEST SINGLE

DONATION

1246

DONORS

į

Hasso Plattner Stiftung	R51 670 450
The Gabriel Foundation	R21 528 934
Thuthuka Education Upliftment Fund	R18 498 873
Mr Neville Isdell	R17 864 993
The Bertha Foundation	R11 967 688
The Andrew W Mellon Foundation	R11 114 032

DAD's fundraising included substantial support for UCT students, including more than R65 million for undergraduate students and R13 million for postgraduates. Funding was also secured for the various postgraduate diploma programmes and to allow a significant number of students with debt to graduate in 2019/20.

The annual phonathon, held in aid of UCT's Food Programme to address the issue of student hunger, received pledges of just more than R800 000.

Distinguishing UCT

Distinguishing UCT, a campaign to grow the university's unrestricted endowment, came to a close at the end of 2019, having been launched in 2014 with the significant support of the UCT UK Trust. The income generated has been allocated to strategic initiatives under the broad pillars of Advancing Excellence, Investing in Talent, and Realising Transformation, as well as specific strategic projects.

On closing, the campaign had received 10 187 individual donations from 1246 donors. making up a total of R98.3 million. This increased the overall value of UCT's unrestricted endowment from R500 million in 2015 to around R676 million in 2019. Under the broader banner of the campaign, more than

R140 million was raised from numerous individuals, corporates, foundations and trusts for priority capital and infrastructure projects. including UCT's Neuroscience Centre and the Nelson Mandela Proiect.

DAD hosted ambassadors and consuls

general at an annual breakfast at the

update them on developments at the

university and develop relationships

The UCT Trust hosted a dinner for

to garner support for projects on

80 alumni and friends at the South

African High Commission in London

School of Public Governance.

to raise funds for The Nelson Mandela

Several alumni events were held

in the United States in 2019, including

Mamokgethi Phakeng in March 2019

and a braai on the beach in Chicago

At a UCT-hosted law event at

in London, a canape reception was

followed by a talk by Professor

Danwood Chirwa, dean of the

the offices of Davis Polk & Wardwell

a reception with Vice-Chancellor

campus.

in June 2019

Faculty of Law

vice-chancellor's residence in order to

These donations bring the overall amount raised via the campaign to around R238 million.

In 2019 UCT again invested around R150 million (R28.3 million was released from the unrestricted endowment specifically) in bursaries and scholarships for needy and deserving undergraduate and postgraduate students.

We are exceedingly grateful to our alumni and broader donor community for their generous contributions.

UCT COUNCIL 2019

The UCT Council governs the university and approves its strategic direction and policies. It is also responsible for long-term financial planning and the approval of annual budgets.

In 2019 the UCT Council was involved with the following decisions

Financial planning

Council set annual fee increases for 2020 as follows: international student fees (5.3%), tuition fees (5.4%, excluding the GSB) and student housing fees (7.4%). In 2019 UCT achieved a 1.9% surplus (against a target of 3%) on its recurrent operating income. The surplus is crucial as it enables UCT to fund longer-term projects and support institutional priorities related to its core business.

Renaming of buildings

Following a request from the UCT Lung Institute, Council resolved to rename the Boehringer Ingelheim Lung Institute the UCT Lung Institute Building. Four further buildings were proposed for renaming - the Council-approved names will be disclosed once the families concerned have been duly consulted

Infrastructure projects

Council approved tenders for the redevelopment of the Chris Hani Lecture Theatre, the construction of a new School of Education building, and the construction of a new building for the Hasso Plattner School of Design Thinking (d-school).

Institutional reports

Council adopted the Social Responsiveness, Teaching and Learning, Research and Transformation reports, recording its appreciation of the work undertaken in these important areas. Council also noted the report of the Works of Art Committee. The University Audit and University Finance committee reports for 2018 were adopted by Council for submission to the Minister of Higher Education, Science and Technology

Council reviewed the Institutional Reconciliation and Transformation Commission (IRTC) report and

Council announced the appointment of two new members: Professor Ntobeko Ntusi replaced Professor Mbulungeni Madiba, and the City of Cape Town's Councillor Dave Bryant replaced Councillor

was pleased to note that many of the IRTC's recommendations were consistent with transformation initiatives already under way at UCT. Council resolved to adopt the recommendations of the IRTC subject to issues raised by the UCT executive.

UCT enrolment plan 2020-2025

Council approved the 2020-2025 enrolment plan, which responds to declining enrolments, proposes maintaining current undergraduate/ postgraduate enrolment ratios. focuses on enrolments in areas of scarce skills, and seeks to improve student success rates.

Appointment of trustees

Council approved the appointment of Mr Mutle Mogase as trustee of the UCT Foundation Trust for a further five years. He was appointed by Council as the chair with effect from April 2019.

Council membership

Mark Kleinschmidt Noting feedback from the UCT community and the Institutional Forum, Council resolved to submit proposals for amendments to the Institutional Statute to the Minister of Higher Education, Science and Technology, including, among other things, a change from three to five members appointed by the minister, a change from two to three members appointed by the Students' Representative Council, and a change from six to four members elected by Convocation.

Strategic plan 2030

Council engaged with the UCT executive to discuss key issues in the development of a strategic plan for the university in terms of its vision for 2030. Various UCT constituencies will be consulted in the process, which will culminate in the adoption of the Vision 2030 document

UCT's new chancellor

Council was proud to announce that Dr Precious Moloi-Motsepe was duly elected as the new chancellor of the university, a 10-vear term that started on 1 January 2020. She takes the reins from Mrs Graca Machel. who was first elected in 1999



UCT LIBRARIES

A budget of R157.2 million enabled continued access to print and electronic resources and technologies, the provision and maintenance of scholarly services and facilities by skilled staff, and the exploration of new services for excellent user experiences.

Researchers were supported by various UCT Libraries units, including Access Services, Discovery Services, Faculty Liaison, Open Scholarship, Research Data Management and Digital Library Services.

In its role as publisher, UCT Libraries successfully published its 13th open monograph,



Biomedical Engineering for Africa and the Conference Proceedings of Adaptation Futures 2018.

Traces of the Ottoman Empire, a new area of collection development that traces the Ottoman influence on the Muslim community in Cape Town, was launched on 22 October.

The UCT-SPARC AFRICA Open Access Symposium, a collaborative symposium themed "Open Access and social justice driving African development", was hosted from 2 to 6 December in Cape Town.

The UCT GIS Unit was formally established within UCT Libraries to offer technical and academic support for geographic information system (GIS) at UCT, as well as linking GIS to librarianship and library collections.

The acquisition of the Zeutschel ScanStudio, a first in Africa, will enable UCT Libraries to contribute to the digital preservation of heritage collections according to international standards.

UCT Libraries completed renovations in the Brand van Zyl Law Library, repurposed the Research Commons to offer a more conducive space, and commenced the development of a 10-year master spatial and design plan. In its role as publisher, UCT Libraries successfully published its 13th open monograph.



UCT is an open campus, and several university properties, including student residences, are in neighbouring residential areas. 2019 saw an increase in the overall number of crimes reported to Campus Protection Services (CPS) across all campuses, as well as in the surrounding areas of Rondebosch, Mowbray and Observatory. Crimes of concern reported for the year were theft of, and from motor vehicles.

To address these issues, CPS, in collaboration with its partners - the Groote Schuur Community Improvement District and the South African Police Service – installed

STUDENT WELLNESS SERVICE

The Student Wellness Service (SWS) counselling team assisted students in seven local languages.

15 158

consultations were attended by the health team.

1 March

saw the introduction of an online booking system, a major step in implementing the Student Mental Health Policy by increasing student access. students were put on waiting lists for a clinical nurse practitioner or medical officer in 2019. The unit outsourced additional counsellors to assist with demand towards the end of the year.

3 000 calls were received on the UCT Student Careline for telephonic

counselling

licence plate recognition cameras in strategic areas on the fringes and on campus. This has proven to be successful as several perpetrators were arrested either on campus or in the immediate vicinity, after CPS was alerted by the new system. CPS started its closed-circuit television (CCTV) renewal project early in 2019, which showed immediate results in several areas across campus. With the new CCTV installation, CPS managed to identify groups operating in common areas where students' belongings had been stolen. Subsequent operations were planned, and the team managed to effect successful arrests in several instances.

In 2019 CPS started the process of procuring new security vehicles, which will be deployed in strategic areas on upper, middle and lower campuses. This will allow CPS to reduce the overall number of patrol areas and to reduce response times to incidents. The presence of the clearly identifiable vehicles will also deter would-be criminals from accessing our campuses.

CPS remains committed to its mandate to reduce crime on campus and, most importantly, to ensure the safety of our students, staff and visitors.



2 new psychological services points were introduced - in the Graduate School of Business and the School of Economics expanding the service's footprint to all campuses.

2 wellness drives saw 9 632 face-to-face student interactions across three campuses.

5 000+ counselling sessions were attended by students.

2 000+

students attended mental health workshops in UCT residences. Afterhours support groups on substance abuse and relationships were also introduced.

The Peer Intervention Programme provided additional capacity for the SWS health teams. **117** callouts for students in psychiatric crisis were received by the Crisis Intervention Service.

95% of respondents to the SWS annual survey were happy with the quality of care they received from their treating team.





UCT's massive open online courses (MOOCs) drew 280 000 enrolments from more than 100 countries. Memorial Hall, previously Jameson Memorial Hall, was renamed the Sarah Baartman Hall to lift her up as a potent symbol of the new campus community we are building.

finite **e** con P

Women at UCT

All four executive leaders of the academic enterprise at UCT are women, including the vice-chancellor and three deputy vice-chancellors, a rarity in higher education institutions around the world.

DR PRECIOUS MOLOI-MOTSEPE was elected as the university's sixth chancellor, becoming the second black woman to hold the position. She took over from Mrs Graça Machel, who served the institution from 1999 to 2019. National Research Foundation 13% of the country's National Research Foundation (NRF) rated scholars were at UCT.

30% of South

NRF A-rated researchers called UCT home. 25 km² The total size of the UCT campuses.

>1.2 million

print volumes and an estimated 54 km of shelf space are available at UCT Libraries.

Almost 40 different sports codes

Rankings and ratings

UCT leads in Africa in all of the five major world university rankings:

- **•** Times Higher Education World University Rankings
- Quacquarelli Symonds World University Rankings
- Centre for World University Rankings
- ► US News Best Global Universities Rankings
- ShanghaiRanking's Academic Ranking of World Universities

social responsiveness initiatives were in progress, covering development, education, employment, environment, gender, health, inequality and poverty.



The Graduate School of Business (GSB) Conference Centre was completed and achieved a 4-Star Green Star rating from the Green Building Council of South Africa.

00+

student societies are active on campus, divided into five categories: academic, national/ cultural, faith, special interest and political.

15 young academics

were part of UCT's Future Leaders programme, which is aimed at retaining the best talent at UCT and on the continent, and to training the next generation of academic leaders.

TRANSFORMATION





of UCT staff were from designated groups (ie black people, women and people with disabilities) of which 68% were black South Africans.

What have been the milestones for the transformation portfolio in 2019?

Milestones included the new three-year employment equity plan (2019-2021) coming into effect: the UCT Sutherland Reburials Project (which you can read about on page 14); raising funds for the UCT Food Programme; our sexual and gender-based violence (SGBV) campaign, #JustNO, which we ran in the second semester; the InclusionIndex Staff Inclusivity Survey; the introduction of a special ad hoc tribunal to deal with sexual offences and other forms of discrimination; and the implementation of the Student Mental Health Policy.

Please tell us a bit more about the Staff Inclusivity Survey.

The purpose of the survey, which ran from May until June, was to help us broaden inclusivity within the UCT community - staff were asked to take part, voluntarily. To guarantee confidentiality, the Office for Inclusivity & Change (OIC) and a UCT working group partnered with an external service provider. Aephoria to administer the survey. The report and an executive summary are available, and interventions that arise out of the survey will be implemented until 2023, when we will run the survey again to measure how far we have come.

What did UCT's SGBV campaign entail?

The #JustNO campaign ran from July to December to articulate how UCT responds to SGBV through improved systems for SGBV management within the institution through advocacy and awareness, and through research. We held our annual silent protest on 2 August 2019 to show solidarity with rape survivors and to promote the right to be free from all forms of SGBV. Then, just a few weeks later, we received the tragic news that Uyinene "Nene" Mrwetyana had been raped and murdered. It was devastating and it shocked us to our core. Our thoughts will always be with Nene's family and friends who have had to endure unimaginable suffering.

How did your portfolio support students and staff during that devastating period?

Counselling assistance was available to staff and students via Human Resources for staff and the Student Wellness Service (SWS) for students; the OIC reached out to known survivors in their care; and an ad hoc special tribunal was established to expedite SGBV cases. Our online reporting tool, created for the reporting of SGBV while maintaining in-person and telephonic structures, was particularly useful for survivors who wanted to report cases without necessarily meeting with a member of staff. Services that were already available continued and were and will continue to be strengthened.

Finally, how has the Student Mental Health Policy been implemented?

By realigning the SWS, we have widened access for students and increased the psychological services footprint on campus, in line with primary healthcare principles. This includes the introduction of a triage system and risk assessment sessions as an entry point into services: shorter, solution-focused counselling sessions; student psychological service points in faculties and at satellite clinics; additional psychologists have been recruited: psychiatric nurses have been added to support mental health services; and a migration to a digital booking system, which is a major milestone in the implementation of the policy.

All-women exec

"The fact that all four executive leaders of UCT's academic enterprise are female marks a significant moment of transformation for women in academia and leadership positions, in South Africa and globally." - Vice-Chancellor Professor Mamokgethi Phakeng



UCT's all-women executive academic leadership (from left): Prof Sue Harrison (DVC for Research and Internationalisation), VC Prof Mamokgethi Phakeng, Prof Loretta Feris (DVC for Transformation) and Prof Lis Lange (DVC for Teaching and Learning)



UCT women made significant strides in civil engineering, where they accounted for six of the department's 11 first-class honours students graduating in April 2019. Chloe Bolton, Juliana Diniz, Jemma Richmond, Dilvs Mnenev, Waseefa Ebrahim and Lansea Loubser are now working in engineering fields from transport to coastal infrastructure. The UCT faculty has actively campaigned to attract more women, primarily through its #WomeninEngineering and "This is what an engineer looks like" campaigns.

From left: Waseefa Ebrahim, Juliana Diniz, Lansea Loubser. Jemma Richmond and Chloe Boltor Dilys Mneney is absent.

Women top UCT's civil engineering honours class

Women's Dav

In celebration of Women's Month, Vice-Chancellor Professor Mamokgethi Phakeng hosted a lunch themed "Raising up African women in academia and in leadership roles". The event, one of several honouring women during International Women's Month, saw the announcement of the recipients of the VC's "Advancing womxn: a call for change" scholarships for women and transgender research at UCT. Five grants worth a total of R22.5 million over the next five years were awarded. Dr Katye Altieri (Department of Oceanography), Professor Floretta Boonzaier (Department of Psychology) and Professor Janet Hapgood (Department of Molecular and Cell Biology) received R1 million per year for five years. Two meritorious awards worth R750 000 per year for five years went to Professor Patricia Kooyman (Department of Chemical Engineering) and Dr Robyn Pickering (Department of Geological Sciences).





ABOVE Chief Autshumao Francisco "Mackie" MacKenzie performs a cleansing ritual before the reconstructed faces of the Sutherland skeletons are revealed at a Bremner press conference.

"THIS IS REALLY ABOUT COMMUNITY JUSTICE, AND FOR ME IT'S THE MOST FULFILLING PROJECT I'VE BEEN INVOLVED IN, WHERE WE GIVE BACK TO THE COMMUNITY." - DR VICTORIA GIBBON

Sign Language seminar

The 2019 South African Sign Language Interpreting in Higher Education Seminar was hosted by the OIC and the Disability Service. It highlighted the practice and relevance of Sign Language interpreters' ethics and touched on practitioners' experiences in the sector.



Sutherland Reburials Project

After an archiving audit of the UCT Human Skeletal Collection in 2017, housed in the Department of Human Biology, it was established that the collection contained 11 skeletons that were unethically obtained between 1926 and 1931. Nine of these San and Khoe individuals were brought to UCT from Kruisrivier Farm in Sutherland.

UCT is working with the Sutherland community to return the remains of these nine individuals to their descendants for reburial. The collaborative project was led by Deputy Vice-Chancellor for Transformation Professor Loretta Feris and the OIC, and included public participation consultant Doreen Februarie, members of the Sutherland Abraham and Stuurman families (descendants who still live in the area) and community members.

At the request of the descendant family, an interdisciplinary international team gathered information about the manner in which these nine individuals lived and died. This not only provided more information to the descendant family about their ancestors, but also enabled the university to provide redress and social justice through science.

The members of the team were Dr Victoria Gibbon. Professor Nigel Penn, Professor Simon Hall, Dr Tinashe Mutsvangwa, Professor Judith Sealy, Dr Stephan Schiffels and PhD student Joscha Gertzinger, and Professor Caroline Wilkinson and PhD student Kathryn Smith. Facial images were produced by Face Lab at Liverpool John Moores University, supported by the National Geographic Society.

Khoekhoegowab course

In May 2019 UCT offered its first short course on Khoekhoegowab, the endangered indigenous language of the KhoeSan. The first of its kind for a South African university, the course is an important beacon for inclusivity and diversity at UCT, which is built on land formerly inhabited by the indigenous Khoe people. The course is offered through the Centre for Extra-Mural Studies, in partnership with the Centre for African Studies' Dr June Bam-Hutchinson and the A/Xarra Restorative Justice Forum's Language Commission. The first course ran from 10 June 2019 with the inaugural graduation of 77 participants taking place on 29 November 2019.





Remembering Nene

In 2019 two of our students passed away as a result of violent crime: Uyinene "Nene" Mrwetyana and Cebo Mbatha. We mourned their deaths and honoured them as a campus community through night vigils, a picket at Parliament and a memorial service. Ending violent crime, particularly sexual and gender-based violence, is a transformation issue that we remain committed to.

"AT THE MOMENT, WE CELEBRATE THE FACT THAT YOU HAVE AN OPPORTUNITY. MANY YEARS FROM NOW .. WE WANT TO CELEBRATE WHAT THE OPPORTUNITY HAS PRODUCED."

Mellon Mays Undergraduate Fellowships

"At the moment, we celebrate the fact that you have an opportunity. Many years from now ... we want to celebrate what the opportunity has produced. Let this opportunity ... change lives, influence thinking and make things happen." This was the VC's message to the Mellon Mays Undergraduate Fellowship's 2019 cohort. The five new fellows were Zahra Abba Omar. Glenn-Leigh Jantijes, Chandre Cupido, Oliver Layman and Lizanne Thornton.

Multilingualism **Education Project**

As the world observed the International Year of Indigenous Languages, 194 UCT students and staff graduated from two twomonth short courses, convened by the Multilingualism Education Project. Of these, 172 graduated from the isiXhosa short course, launched in 2006, and 22 from the inaugural Afrikaans short course.

Celebrating Africa Month

For Africa Month and Africa Day, we celebrated our diverse and exuberant continent through a number of events, includina:

- "The Africa we want", a public symposium on the role of young African leaders in pan-Africanism and regional integration
- Professor Shadreck Chirikure's inaugural lecture, "Why does 'success' continue to elude contemporary Africa? Some insights
- from deep history and archaeology" UCT Libraries Special Collections hosted an exhibition featuring the Khomani San and the Bleek and Lloyd collections; a film screening on the Khomani San Collection; and a relaunch of the Atom digital inventory on the Khomani San Collection.

Redressing apartheid's spatial injustices

Apartheid spatial planning in Cape Town came under the spotlight during the British Academy Newton Advanced Fellowship Lecture in Spatial Justice in July. Internationally recognised expert on spatial justice Professor Andreas Philippopoulos-Mihalopoulos delivered his lecture titled "Spatial justice and resistance" at UCT.

150

The Disability Service supported 150 students with a range of different disabilities in 2019.



nGAP and NGP



By the end of 2019 UCT had a total of 22 posts awarded for the New Generation of Academics Programme (nGAP), six of whom joined during the course of the year.



nGAP members were awarded NRF Research Development Grants in 2019: Dr Melissa Abrahams, Frissiano Honwana and Avanda Pekane



Dr Robert Morrell, nGAP manager, was appointed as a member of the Ministerial Task Team on Gender-based Violence and Sexual Harassment

45 UCT's **Next Generation Professoriate (NGP)** had a total of 45 members by the end of 2019.



new members were welcomed to the NGP in 2019: Shahieda Adams (Faculty of Health Sciences), Aneesa Vanker (Faculty of Health Sciences) and Sumava West (Faculty of Commerce).

26 Since its inception, 26 NGP members have been promoted, four to full professor and 22 to associate professor.

Field camp for women researchers

A three-day Human Evolution Research Institute (HERI) field camp on the West Coast featured an all-women group of academics and students from the departments of Archaeology and Geological Sciences. The camp was coordinated by HERI's new director, Dr Robyn Pickering; HERI's founding director (and current deputy director). Professor Rebecca Rogers Ackermann; and Dr Jayne Wilkins, previously of UCT and now Griffith University. The programme aimed to upskill participants and provide a safe space to bond and discuss their career challenges.

SOCIAL RESPONSIVENESS

Social responsiveness at UCT is about taking the university into the community and bringing the community onto our campuses. Whether it's organising social outreach programmes, providing opportunities for learning or enhancing research activities, these engagements build relationships that root the institution in the community, the country and the continent, positioning it at the forefront of social change. Our intention is to develop social interventions that address the complex challenges facing our society and deliver real, positive change. To this end, we encourage all our students and staff members to play an active development role in our cultural, economic, political, scientific and social environments.

Pioneering 'new science' in Masi

UCT's Desmond Tutu HIV Foundation launched the new Aerobiology TB Research Facility at its Masiphumelele research site on 20 February 2019. The facility will focus on the study of the transmission of TB organisms and finding ways to halt the spread of the disease

At the launch, Emeritus Professor Robin Wood, chief executive officer of the foundation. said poor socio-economic conditions are one of the key drivers of TB transmission

The new facility specialises in capturing the organisms in the air exhaled by patients and examining the data. This process will allow clinicians and scientists to study each individual organism to try and develop ways to control TB in communities like Masiphumelele.

Eskom Expo for Young Scientists

Aspiring scientists pulled out all the stops at the Eskom Expo for Young Scientists hosted by UCT in August 2019. The expo showcased the ingenuity, brilliance and outof-the-box project ideas pioneered by hundreds of science enthusiasts from 47 schools around the Mother City.

Discover

Projects were entered in categories ranging from chemistry and food science to astronomy and sustainable development, addressing some of the world's most pressing challenges.

Training wannabe techies

#RoboCampCT, a one-week winter coding and robotics camp for high school learners, attracted 65 grade 10s and 11s, who were keen to boost their tech skills and prepare for more advanced coding courses.

The event was co-hosted by UCT's School of Information Technology and software training institute CodeSpace. It provided learners with the environment, time and space to consider a future in coding. Learners were also schooled on design thinking, a methodology used to tackle complex, real-world problems.

Gamifying learning

On 14 September 366 grade 12 learners from 40 schools in the Western Cape gathered at Wynberg Girls' High School to participate in the second mGenAfrica annual quiz competition.

The mGenAfrica platform, a joint initiative between UCT and the Western Cape Education Department was launched to make learning life sciences - especially genetics - fun. The platform provides learners with the opportunity to test their knowledge, prepare for tests and exams, and to connect with UCT researchers during live chat sessions

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Wamkelekile Welcome Welkom

Khayelitsha Site B IZiko leMpilo loLuntu

BETTER TOGETHER. BRINGING HEALTH SERVICES

Gemeenskapsgesondheidsentrum

Inspiring the neuroscientists of tomorrow

"Our brains are the seat of our memory, of our past, our present and our future. They enable us to communicate with and understand the world, and live life as sentient beinas."

That was the message Dr Ursula Rohlwink, neuroscience fellow and lecturer at UCT's Neuroscience Institute, shared with pupils from Capricorn Primary School during International Brain Awareness Week in March

The 83 grade 7 learners from the Vrygrond school who visited UCT were treated to a jam-packed programme to learn everything about the brain. The day included an hour-long session on the brain, a demonstration of the brain's electrical activity - conducted on a cockroach, and a visit to the university's anatomy museum, where pupils could view real-life examples of the brain.



Clinical research in Khayelitsha

Working on some of the most important breakthroughs in TB diagnostics globally, and testing HIV and TB vaccines, is a vital part of the pioneering work being done at the Wellcome Centre for Infectious Diseases Research in Africa (CIDRI-Africa).

Vice-Chancellor Professor Mamokgethi Phakeng launched an extension of the Khayelitsha-based clinical research site on 29 July 2019.

The UCT researchers, including 12 world-leading principal investigators, work hand in hand with the community, local and provincial departments of health and NGOs to find solutions to the high burden of TB and HIV in South Africa and across the globe.

Administered from UCT's Institute of Infectious Disease and Molecular Medicine (IDM), the site operates at the Site B Khayelitsha Community Health Centre.

Community Health Centre

SOCIAL RESPONSIVENESS **IN NUMBERS**



Student designs reimagine District Six

In 1966 apartheid laws banished more than 60 000 residents from their homes in District Six, signalling the official start of racial segregation in the Mother City. Decades later, honours students from UCT's School of Architecture, Planning and Geomatics explored ways of developing new and alternative forms of housing for the area, while accommodating the ongoing restitution process and the residents' ultimate return to the neighbourhood. They did so as part of the Cape Town Spatial Justice Laboratory: Writing/ Righting the City Otherwise project.

"The manifesto workshop was a real interactive, cross-sharing theatre of learning. The community was part of the performance; they offered their opinions and shared their ideas." - IAIN LOW

professor of architecture

Scrub Run raises over R200 000

Organised by UCT's Surgical Society, the 10-kilometre peace run in aid of the Weekend Waiting List Initiative at the Red Cross War Memorial Children's Hospital raised more than R200 000. The funds went to the Weekend Waiting List Initiative, which works to eradicate the backlog of children waiting for operations at the Red Cross Children's Hospital

Student Entrepreneurship Week It was all things entrepreneurship at Student Entrepreneurship Week, hosted by UCT's Careers Service from 16 to 20 September Social impact organisations such as Dream Factory, The Underdog Project, Nal'ibali and UCT's Knowledge Co-op were on hand to convince students that social entrepreneurship is a worthy and rewarding path to follow







Bumper Summer School

UCT extended its annual Summer School programme to three weeks in 2019, with lectures focusing on Africa and "issues of consequence". Presenters included former public protector Professor Thuli Madonsela former acting commissioner of the South African Revenue Services Ivan Pillay and columnist Max du Preez.

10 years of NBTs

The National Benchmark Tests (NBTs) celebrated 10 years of assessing the academic readiness of prospective first-year students. UCT's Centre for Educational Testing for Access and Placement (CETAP) in the Centre for Higher Education Development (CHED) administers the NBTs for the entire country.

A taste of university life

One hundred matric pupils from various Khayelitsha schools got a taste of university life when they took part in UCT's extended annual Summer School programme. The learners were participants of the university's 100UP programme. an initiative introduced in 2011 to address the low number of learners from disadvantaged communities entering UCT. The programme includes academic booster classes on campus every Saturday and intensive preparation sessions in the lead-up to exams



Cool donation for student feeding programme

The UCT Food Programme received a major boost when the Strategic Fuel Fund donated a doubledoor fridge, secured by Dr Chance Chagunda from the Department of Social Development. The programme, which started in 2018, provided 600 lunches daily to students in need. These were made up, packed and distributed by staff and student volunteers, as well as members of local communities.

NVIRONMENTA SUSTAINABI ON CAMPUS

Manfred Braune's appointment as UCT's director of environmental sustainability in the Office of the Vice-Chancellor has introduced a new focus on environmental sustainability, both in terms of the university's ambitions of being a green campus and in terms of teaching, research and governance.

UCT's research into the environment and sustainability is renowned worldwide through key entities such as the Climate System Analysis Group (CSAG), the Future Water institute and the African Climate and Development Initiative (ACDI). But the university's own campuses need better integrated environmental management and care, according to Braune.

More than just waste management, it's about water and energy efficiency, human health, green investment and good citizenship. Braune believes in incorporating sustainability into UCT's teaching, learning and research.



"The plan is that everv student will at least have some basic level of environmental sustainability literacy when they leave UCT."

Sustainability strategy

UCT's environmental sustainability strategy, drafted in 2019, includes significant long-term objectives, including achieving net zero water, net zero waste and net zero carbon by 2050 - incredibly ambitious goals in the African context. Understanding UCT's own carbon footprint, for example, is a critical part of fulfilling the strategy, and preparing an annual Carbon Footprint Report allows UCT to effectively manage and report on its carbon emissions

engagement 2019 saw a drive to engage more extensively with students on environmental sustainability, through the Green Campus Initiative (GCI). the Students' Representative Council (SRC) and other student bodies. UCT's environmental sustainability strategy was presented to the incoming 2020 SRC, and GCI's chairperson attended South Africa's annual ACUHO-I Green Campus Initiative Conference with UCT's Director of Environmental

Health and comfort

Student

Sustainability

In 2019 UCT began work on an air-conditioning policy to ensure that the university is measuring thermal comfort for staff and students according to international best practice. Various other healthrelated aspects are also under review. including the use of pesticides, cleaning chemicals and volatile organic compounds, all in the interests of creating a healthier built environment for staff and students.

Building green A number of significant construction projects were either completed. started or designed in 2019 - in

accordance with UCT's 2012 policy of building green to align with international best practice: ▶ The Graduate School of Business

- (GSB) Conference Centre was completed in 2019 and achieved a 4-Star Green Star rating from the Green Building Council of South Africa.
- ▶ The 500-bed Avenue Road Residence project began construction in 2019. It's targeting a 4-Star Green Star rating for its energy- and water-saving features, the first student housing project in South Africa to do so.
- ▶ The School of Education and the Hasso Plattner Institute of Design Thinking (d-school) building projects completed their detailed design and tenders in 2019. The School of Education is targeting a 4-Star rating and the d-school an ambitious 6-Star rating.

Managing waste

In 2019 UCT undertook a detailed waste audit to understand the university's compliance with legislation and the extent of the challenges we face. This will be used to prepare an Integrated Waste Management Plan in 2020 that will aim to significantly improve UCT's materials and waste handling.

"The highest quantity of litter on campus was cigarette butts. while the highest volume of litter was plastic bottles."

RESEARCHING SUSTAINAB

UCT's researchers focus on various global and local environmental sustainability issues, including:

Almost a billion people around the world have no access to electricity, while millions more struggle with erratic service and limited supply. Professor Anton Eberhard, director of the GSB's Power Futures Lab, has been selected to serve on the new Global Commission to End Energy Poverty, which is seeking to change this.





Energy and water

Reducing energy and water consumption on campus is good for the environment and for the university's budget. In 2019 UCT appointed a specialist consultant to help the university develop a water sustainability strategy and to implement significant water-saving projects in student residences, where most of the institution's water is consumed

Over 100 energy and water meters across campus gather data that is consolidated on a remote metering dashboard. This system is being enhanced, with additional meters being added, to become a more useful management and reporting tool.



In a first for South Africa, a urine-recovery urinal system developed by UCT civil engineering graduate Craig Flanagan has been incorporated into the design of the new corporate headquarters for Exxaro a nine-storey, R600-million building opposite the Centurion Gautrain Station.

Hlumelo Marepula, a fourth-year civil engineering student, blew the judges away at the inaugural Falling Walls Lab in Cape Town, an international forum for outstanding young innovators in science, technology or medicine. Her winning idea, "Breaking the wall of synthetic urea production", has huge implications for food security, sustainable energy production and global warming mitigation.





RIGHT The Rainbow UCT march in solidarity with the trans community highlighted issues surrounding stock shortages of Depo-Testosterone, a hormone replacement therapy used by transgender people transitioning from female to male.

BELOW Rainbow Week: an annual celebration of the university's efforts to create an inclusive space for all.











ABOVE The UCT Showcase Concert 2019, hosted at the Baxter Theatre on 12 October, was an inspiring celebration of the talents of staff and students in the South African College of Music.

ABOVE RIGHT The Molly Blackburn Hall exhibition space was reopened in September with a programme of celebratory performances and talks called Re-thinking Art at UCT, hosted by the university's Works of Art Committee.

RIGHT The Creative Change Laboratory (CCoLAB) is a project of the Office for Inclusivity & Change (OIC) that uses creative methods to collaborate with, enable and empower marginalised youth in Cape Town.

First-years came together on the Green Mile in January to tuck into a good old South African braai and meet and mingle with their fellow new students.







LEFT Edwina Brooks, director of Student Affairs, presents UCT sprint sensation Mpumelelo Mhlongo with the Jamison Cup for an incredible fifth consecutive year.

BELOW Captain Nina Woermann in action against Cape Town Spurs Women's Football Club in a game that saw the UCT women's football team taking home the Coca-Cola Cup with a 2-0 victory.



ABOVE The Ikey Tigers kicked off the 2019 Varsity Cup season with a nail-biting 32–24 victory over Cape rivals University of the Western Cape on 4 February.







"THERE IS A LOT WE WANT TO DO AT UCT AND NOT ONLY CHANGE FOR A SHORT PERIOD BUT CHANGE AT A POLICY LEVEL, SOMETHING THAT IS GOING TO EXIST FOR A LONG TIME." SRC SECRETARY GENERAL, ASEMAHLE NTUMNTUM

Hosted in support of sports for people with disabilities, the Interclub Wheelchair Rugby Tournament took place in May at the UCT Sports Centre. ABOVE Some of the 41 UCT students, staff and alumni on the 2019 *Mail & Guardian*'s 200 Young South Africans list celebrate their achievements with VC Prof Mamokgethi Phakeng at the 15 On Orange Hotel on 30 August.

LEFT UCT engineering student Resoketswe Manenzhe, winner of the 2019 Writivism Festival short story competition

BELOW UCT's Students' Representative Council 2019/20 with members of the UCT leadership.





"THE SCHOOL OF INFORMATION TECHNOLOGY PROVIDES A STRATEGY FOR STUDENTS AND RESEARCHERS TO NOT JUST SERVE TECHNOLOGY BUT TO SERVE OUR COMMUNITIES AND OUR COUNTRY." CHIEF OPERATING OFFICER, DR RENO MORAR





ABOVE Former public protector Professor Thuli Madonsela addressed the audience at the Vice-Chancellor's Open Lecture on 21 August.

"AS A UCT ALUMNUS, GOLDBERG REPRESENTS THE VERY BEST OF THIS INSTITUTION'S VALUES AND CULTURE." VICE-CHANCELLOR PROFESSOR MAMOKGETHI PHAKENG

UCT awarded a Doctor of Science in Engineering (*honoris causa*) to Denis Goldberg at a graduation ceremony on 12 July in recognition of his courageous and selfless role in the antiapartheid struggle over decades.

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ABOVE Palestinian-American scholar, author and public speaker Dr Steven Salaita delivered the annual TB Davie Memorial Lecture, titled "The inhumanity of academic freedom", on 7 August.

LEFT Accompanied by the annual Technology Showcase, UCT's new School of Information Technology, which merges the multidisciplinary capacities of the faculties of Science, Commerce and Humanities, was officially launched on 15 October.

BELOW President Cyril Ramaphosa visited lower campus on 21 February to lay a wreath at the SS *Mendi* Memorial in honour of the South African soldiers who died when the ship sank in 1917.



"Excellence is one of the three pillars of my vision for UCT, together with sustainability and transformation. While we remained the continent's toprated university in five world rankings, this achievement has been built on our community and the many reflections of excellence in their innovative work, research and committed service. This section presents a diverse (though necessarily incomplete) view of the breadth and depth of excellence in this community: our graduates, our academic cohort and our professional, administrative support and service (PASS) staff. From lifetime awards in science to team awards in communication; from young researchers and future leaders to seasoned academics who bring their lifetime's insights and scholarship to bear on the challenges of our fast-changing world; we count these as some of the most notable of 2019's many highlights." **PROFESSOR MAMOKGETHI PHAKENG**

Vice-Chancellor

A-rated

"When I initially chose medicine, it was very much because I wanted to be at the bedside of patients, rather than in the lab." - Professor Gary **Maartens**

at Groote Schuur Hospital, Professor Garv Maartens, was awarded a prestigious National Research Foundation (NRF) A-rating in 2019. Maartens is an international authority on the therapeutic aspects of HIVassociated TB, drug-resistant TB and antiretroviral therapy in resourcelimited settings.

The head of clinical pharmacology at

UCT and a chief specialist physician

Six other UCT researchers were reevaluated and retained their A ratings: Professor Igor Barashenkov, Emeritus Professor Douglas Butterworth. Professor Harold Kincaid, Professor Don Ross, Distinguished Professor Philippe-Joseph Salazar and Professor Dan Stein

Award-winning artist and senior lecturer Dr Nomusa Makhubu attained an NRF P-rating for young researchers. Her research in the visual arts - particularly photography and film - explores gender, citizenship, colonialism and what it means to be African

Science Oscars

Three UCT researchers were recognised at the 2019 NSTF-South32 Awards for their outstanding contributions to science, engineering, technology and innovation.



Professor Alison Lewis, Engineering & the Built Environment: Engineering Research Capacity Development Award for training, nurturing and mentoring students in the Crystallisation and Precipitation Research Unit.

Dr Hlumani Ndlovu, Division of Chemical and Systems Biology: TW Kambule-NSTF Award: Emerging Researchers for his research into the immunological mechanisms behind inflammation of the liver and mediating protective immunity.



Professor Martine Visser, School of Economics: NSTE Water Research Commission Award for her work on a behavioural project with the City of Cape Town, encouraging the public to save water during the water crisis

Two new UCT Fellows

Professor Genevieve Langdon (mechanical engineering) and Peter Zilla (cardiothoracic surgery) were inducted into UCT's College of Fellows. Zilla, head of the Chris Barnard Division of Cardiothoracic Surgery, also received the Grand Decoration of Honour for Services to the Republic of Austria in 2019. the country's highest national accolade

Accelerator awards

Drs Ursula Rohlwink and Suraj Parihar were among seven new African Career Accelerator awards made by the Crick African Network. The UK-Africa collaboration gives fellows two years of intensive training and mentorship - one at the Crick and the second at their African partner institute.

Rohlwink holds a UCT Neuroscience Institute fellowship and is a member of the Division of Neurosurgery, while Parihar is at the Institute of Infectious Disease and Molecular Medicine (IDM).

> **New 2030 Future** Leaders

Network



The initiative is a partnership between the African Academy of Sciences and the Royal Society, supported by the Global Challenges Research Fund. They are Dr Dyllon Randall (civil engineering); Dr Dorit Hockman, Dr Joseph Raimondo and Dr Justin Nono Komquep (health sciences): and Dr Chris Trisos, Dr Sarah Fawcett and Dr Wade Petersen (science).

FLAIR Fellowships

Seven young scholars were among the inaugural 2019 cohort of Future Leaders - African Independent Research (FLAIR) fellows, FLAIR fellowships are awarded to talented African early-career researchers with the potential to become leaders in their fields.

GigaNet honour for Gillwald Adjunct Professor Alison Gillwald from the Nelson Mandela School of Public Governance, was named as the first African executive member. and deputy president, of the Global

Internet Governance Academic

Young Researcher Awards

The annual Young Researcher Awards honour the significant contributions that UCT's young researchers have made to scholarship in their fields. The recipients for 2019 were:

- Dr Charlotte Schutz (IDM)
- Dr Dyllon Randall (civil engineering)
- Associate Professor Adam Mendelsohn (Jewish studies)
- Dr Vinayak Singh (drug discovery) and development)
- Dr Alastair Sloan (geological sciences)
- Dr Sharief Hendricks (exercise science and sports medicine).

Science academies honours

Professors Keertan Dheda, Genevieve Langdon and Ernesta Meintjes were elected to the Academy of Science of South Africa, while Dr Sudesh Sivarasu became a member of the South African Young Academy of Science.

scholarships One hundred top voung researchers at UCT received Vice-Chancellor's Research Scholarships in May, placing them at the forefront of research into society's most pressing challenges. These scholarships will fully support these master's and doctoral students.



Harry Oppenheimer Fellowship

The director of the Institute of Infectious Disease and Molecular Medicine (IDM) and NRF A-rated researcher. Professor Val Mizrahi, received the Harry Oppenheimer Fellowship, recognising her internationally significant contribution to microbiology and TB research. Mizrahi was the ninth UCT scholar to be honoured in this way.

Lifetime honour for Mabuza

Aaron Mabuza's "extraordinary contribution" to eliminating malaria in South Africa earned him a 2019 Lifetime Achievement Award from the South African Medical Research Council's Office of Malaria Research. Mabuza is the Collaborating Centre for Optimising Antimalarial Therapy's project coordinator for malaria field studies and elimination activities.

Honorary doctorates

UCT conferred honorary doctorates on the following individuals in 2019:

- Dr Georges Belfort: Doctor of Science in Engineering
- Professor Marlene Belfort: Doctor of Science
- Professor Jonathan David Jansen: Doctor of Education
- Denis Goldberg: Doctor of Science in Engineering
- Professor David Roger Jones Owen: Doctor of Science in Engineering

Georg Foster Award

Abdulkader Tayob, professor of Islamic studies in the Department of Religious Studies, netted a prestigious Georg Forster Research Award from the Alexander von Humboldt Foundation.

Tayob holds the South African Research Chairs Initiative (SARChI) Chair in Islam. African Publics and Religious Values at UCT. He was nominated by Leibniz-Zentrum Moderner Orient (ZMO) and will be cooperating with ZMO colleagues closely over the next few years.

International ENT award

The head of the Division of Otorhinolaryngology, Professor Johan Fagan, became the first African recipient of the Nikhil J Bhatt, MD International Public Service Award. This is conferred by the American Academy of Otolaryngology - Head and Neck Surgery Foundation and acknowledges his contribution to the ear, nose and throat field in developing nations. His selfpublished multi-authored online surgical textbook. Open Access Atlas of Otolaryngology, Head and Neck Operative Surgery, scored double platinum status, clocking more than two million chapter downloads.



Stein's lifetime award

The head of the Department of Psychiatry and Mental Health, Professor Dan Stein, received a Lifetime Achievement Award at the 14th World Congress of Biological Psychiatry. Cross-disciplinarity, curiosity and collaboration had played large roles in his career, he said, particularly his stint studying psychiatry at Columbia University in New York.

Trio of VC Awards

Vice-Chancellor's Awards for Service Excellence, Transformation and Global Citizenship were made at the UCT Annual Awards in 2019.

The VC's Award for Transformation went to Associate Professor Suki Goodman and the team from the marketing section of the School of Management Studies. Their efforts over six years have attracted a new cohort of emerging black academics and enabled "deep and embedded transformation work"





SAGEA award

UCT's Careers Service cemented its reputation as a leader in its field. winning three categories at the South African Graduate Employers Association (SAGEA) Awards in 2019.

The Careers Service, in the Centre for Higher Education Development (CHED), has now won the Best Career Service title for 10 consecutive years. They also took laurels in the Best Career Fair and Best Employer Relations Individual categories. The latter went to Hishamodien Hoosain.

The Communication and Marketing Department's (CMD) newsroom scooped eight 2019 International Association of Business Communicators (IABC) Silver Quill awards. This included two excellence awards, which went to writer Carla Bernardo's article "UCT's hijab-wearing rugby player talks inclusivity" and to the newsroom publication Year in Review 2018. CMD also took home 19 Marketing, Advancement

in the sector.

Plaatjies' lifetime award

Neo-traditional African musician Dizu Plaatjies, head of African Music: Practical Studies at the South African College of Music, received a Lifetime Achievement Award from the Western Cape Department of Cultural Affairs and Sport. Plaatjies is founder and former leader of Langa marimba group Amampondo, which put traditional South African music on the international map in the 1980s



Chemical safety officer in the departments of Chemistry and Chemical Engineering, Monique Muller, won the VC's Award for Service Excellence. Muller manages a repository of 5 500 chemicals, as well as 14 permanent chemical waste streams just in the chemistry The VC's Global Citizenship Award was won by Barry Panulo and Dr Susan de Witt of the Bertha Centre for Social Innovation and Entrepreneurship. Their innovation is a pioneering approach to funding early childhood development.

Communication wins

and Communication in Education (MACE) Awards in 2019, awarded to higher education practitioners to recognise excellence in marketing, advancement and communication

Research management honours

UCT's Research Contracts and Innovation (RC&I) won the Southern African Research and Innovation Management Association Organisational Excellence Award for Innovation Management.

Innovation remains vitally important to realising the full potential of UCT's research enterprise.

RC&I fulfils the role of a 'technology transfer office' in addition to supporting UCT's research activities by centrally negotiating and managing research contracts with a wide variety of funders.

"Today, there

scientists in

Africa to drive

change at the

scale at which

it is needed."

South Africa

- Gilles

L'Oréal

Antoine,

are simply not

L'Oréal-UNESCO honours

Four UCT researchers were among the seven recognised by the L'Oréal-UNESCO for Women in Science South African National Programme for their excellent contributions to science.

They included PhD candidates Shantelle Claassen (Department of Pathology), Emma Platts (Department of Mathematics and Applied Mathematics) and Chelsea Tucker (Department of Chemical Engineering); and Dr Melissa Nel, a postdoctoral researcher in the Department of Medicine.

Two researchers from UCT were among 20 women scientists enough women recognised by the L'Oréal-UNESCO for Women in Science programme for their excellent contributions to science in sub-Saharan Africa.

Regina Esinam Abotsi, a PhD candidate in the Department of Molecular and Cell Biology, and Mweete Nglazi, a PhD candidate in the Division of Health Economics, were each awarded grants of EUR10 000 to further their research.

Creative Works Award

Architect Clint Abrahams and musicians Associate Professor Andrew Lilley and Associate Professor Dizu Plaatijes shared the UCT Creative Works Award for 2019.



Abrahams, of the School of Architecture, Planning and Geomatics, was recognised for his design-build exhibition. Macassar. "Who we are" by Studio Light

Lilley, based at the South African College of Music (SACM), was honoured for Brother Gone, an album of original compositional works recorded for jazz septet, a collaboration with Sweden's Arts Foundation



Plaatjies, head of African Music at the SACM, was honoured for his multiple award-winning 11-track album Ubuntu - The Common String. He is internationally renowned as a performer, teacher and "intrepid researcher" of his African heritage.



UCT Book Award

Professor Alphose Zingoni and Anna Tietze jointly won the 2019 UCT Book Award for their works on engineering and art respectively. Zingoni, professor of structural engineering and mechanics in the Department of Civil Engineering, won his award for Shell Structures in Civil and Mechanical Engineering: Theory and Analysis, a labour of five years. A senior lecturer at the Michaelis School of Fine Art, Tietze's winning title, A History of the Iziko South African National Gallery: Reflections on Art and National Identity, presents the first full history of the gallery.

Women scientists lauded

Professor Tania Douglas and postgraduate researchers Julia Healy and Sibabalo Noludwe were among the winners at the 2019 South African Women in Science Awards (SAWiSA)

A biomedical engineer, Douglas was named Distinguished Woman Researcher in the Research and Innovation category. Douglas's research interests include medical imaging and image analysis, the development and assessment of contextually appropriate health technologies, and health innovation management.

SAWiSA also serves as a platform to inspire the next generation of women researchers. awarding scholarships and fellowships to deserving postgraduates. Two UCT postgraduate researchers received Tata Scholarships: Julia Healy and Sibabalo Noludwe.

Gold for Denny

Professor Lynette Denny, senior specialist in gynaecological oncology in the Department of Obstetrics & Gynaecology, won the South African Medical Research Council Gold Medal for her 25-year body of research on cervical cancer.

The medal recognises Denny as an outstanding South African scientist whose excellent research has raised the profile of science in the country. Her major achievements have been in the areas of gynaecological oncology, particularly cervical cancer and screening, specifically in a primary care context.

"It is a great honour and acknowledgement of 25 years of work."

UNESCO Chair

Associate Professor Chervl Hodgkinson-Williams was named UNESCO Chair in Open Education and Social Justice. She works in the Centre for Innovation in Learning and Teaching (CILT) in the Centre for Higher Education Development (CHED)

She teaches online learning design and advanced research design courses to UCT

postgraduates. The chair recognises her contribution to aroundbreaking research and initiatives focused on open education in the global south.

Alan Pifer Award

Professor Sebastian van As, head of the Red Cross War Memorial Children's Hospital Trauma Unit, won the 2018 Alan Pifer Research Award for outstanding welfarerelated research.

It honours his child safety research over the past 20 years. One of his initiatives is ChildSafe, a computerised record of all children's injuries treated at the hospital. The ChildSafe South Africa Surveillance System currently contains details of over 200 000 childhood injuries, the world's largest single-source database of childhood injury.

SATVI social responsiveness win

The South African Tuberculosis Vaccine Initiative (SATVI) won the 2018 Social Responsiveness Award

Located in the Institute of Infectious Disease and Molecular Medicine (IDM), and with a field office in Worcester, SATVI works closely with communities in the Cape Winelands area, who are seen as critical role players in addressing the TB epidemic. The initiative's objective is to develop and advance TB prevention strategies by among other interventions, ensuring that communities are aware of TB and empowered to take ownership of possible solutions.

"WE ... HAVE BEEN ABLE TO WORK WITH TB RESEARCH STAKEHOLDERS AND AGENCIES AT LOCAL, PROVINCIAL AND INTERNATIONAL LEVEL TO FULFIL OUR SOCIAL **RESPONSIVENESS GOALS.** - Professor Mark Hatherill **SATVI director**

Deputy Vice-Chancellor: Research

and Internationalisation

PROFESSOR SUE HARRISON

The year has seen a changing of the guard within the research portfolio.

Yes, in several ways, and I'm most grateful to Professor Kevin Naidoo, who stepped in as acting Deputy Vice-Chancellor for Research and Internationalisation until the end of April and did a wonderful job during challenging circumstances, including serious researchfunding challenges. Also to members of the executive who shared items within the portfolio until I could take up the post full-time in August. Sadly, we also said farewell to Dr Marilet Sienaert, Executive Director of Research, who did so much to grow our research endeavour, and so ably led her team, for almost two decades. We will miss her.

You mention funding challenges. What was the national environment like for research support?

The year was marked by a national funding crisis in the research environment. In the face of this, we were especially grateful for a R30-million boost as part of UCT's strategic spend. This was also part of a move to shift our dependency on the National Research Foundation to international funding sources. It has been used in growing our researcher cohort funded by external and international grants, building our early career researchers and research active young staff, and contributing to the productivity of our established research groupings, while providing mentorship opportunities in research. There were other important initiatives during 2019, such as the Vice-Chancellor's Research Scholarship, launched to retain and fully support our top young researchers. They are our lifeblood. The first 100 awards were made in May.

Transformation of UCT's research endeavour is key to

equity, growth and sustainability. How did we fare? We've made some significant strides, having identified that we need to grow our cohort of women researchers, particularly women of colour, and research in areas where women are scarce. A key initiative was launched by the vice-chancellor in 2018 under the banner Advancing Womxn: A call for change, and the first five of these generous scholarships were awarded in 2020. In our Emerging Researcher Programme and Researcher Development Academy, transformation is nurtured in a holistic way and UCT has been fortunate to take an active part in national transformation initiatives as well.

What were some of the research highlights?

There are so many, some of which are covered in the pages that follow. But what has been particularly impressive for a research-led institution like ours - in a developing country with immense competition for resources - was the accolade UCT received as the most influential global institution in the field of HIV/AIDS research. This was based on our global field-weighted citation impact. It's a truly remarkable testament to our researchers, across the disciplines, and their work in this critical area.

Reviving the history of great African composers

Internationally recognised cellist, composer and researcher Dr Thokozani Mhlambi shed light on the rich history of great African composers, which he hopes will spark a revival in music that has been hidden for years.

For his Early African Intellectuals as Composers of Music project, Mhlambi has been digging deep into the archives and looking at musical scores and sound samples of some of South Africa's great compositions

"The whole concept behind the project is to revive interest in the archive of the early works of composers, such as unknown female composer Nokutela Dube, as well as the composer of our national anthem, Enoch Sontonga, and many others whose visibility was erased by our history," he said.

30%



Life-long benefits of breastfeeding

According to a Science Advances study published by an international team of scientists led by researchers at UCT, mothers can transfer lifelong protection against infection to their infants by breastfeeding. This protection is driven by the transfer of immune cells and is completely independent of antibodies.

The lead and corresponding author of the study was Dr William Horsnell of the Institute of Infectious Disease and Molecular Medicine and the Division of Immunology.

TB risk of common contraceptive

A breakthrough study conducted by Professor Keertan Dheda and Dr Michele Tomasicchio, at UCT's Centre for Lung Infection and Immunity, has revealed that one of South Africa's most commonly used injectable contraceptives could potentially increase women's chances of contracting tuberculosis

"It's an important topic from a women's healthcare point of view, especially considering the fact that Depo-Provera is still extensively administered in clinics throughout South Africa," Tomasicchio said.

Breaking barriers to a cure for HIV

An international collaborative study involving UCT researchers revealed an unexpected finding that could lead to better therapies towards reducing the HIV reservoir - a major barrier to developing a cure for HIV. The HIV reservoir consists of viral DNA that survives hidden in the body even after indefinite treatment with antiretrovirals.

"We hope reducing the size of the reservoir will take us a step towards achieving our goal of enabling people to stop treatment without the virus rebounding," said Professor Carolyn Williamson, head of UCT's Division of Medical Virology, who led the study with Professor Ron Swanstrom of the University of North Carolina at Chapel Hill.



Best little (sustainable) house in Africa

A solar-powered, "green' house designed and built by staff and students from UCT and Stellenbosch University was awarded second place in the architecture category of the continent's first Solar Decathlon Africa in Morocco. The entry went by the name of Team Mahali - the only sub-Saharan team chosen to participate in the competition.

The team's fully functional, modular, net-zero-energy house was erected and completed in a solar village of 18 houses in Ben Guerir, north of Marrakesh. It was just one of the creations by teams from competing universities around the world, all vying for the title of best sustainable house powered solely by the sun.



Researchers without Borders

UCT has partnered with the University of Bristol in the United Kingdom to launch a novel Researchers without Borders PhD programme that Vice-Chancellor Professor Mamokgethi Phakeng has described as a "profound collaboration".

The two universities have developed a framework agreement for operating Cotutelle, or co-tutored PhDs, providing opportunities for students to work on research projects that exploit the strengths and capabilities of both institutions

Safeguarding

the judiciary A new set of principles and guidelines on the selection and appointment of judges was published to safeguard the independence and integrity of the judiciary in Africa. These principles and rules were published by the Democratic Governance and Rights Unit (DGRU) at UCT and the Southern African Chief Justices Forum.

"It is the first document of its kind that deals with best practices for judicial selection. - Chris Oxtoby, senior researcher for the DGRU

Award-winning plastic pollution research

Takunda Chitaka, a PhD candidate in the Department of Chemical Engineering, has been combing five Cape Town beaches since 2016 to estimate the amount of litter that flows into the marine environment - and to figure out where it comes from.

The research forms part of Chitaka's PhD thesis, which argues that litter should be included in the lifecycle management and assessment of plastic products, which uses a 'cradle-to-grave' approach for holistically describing a product's environmental impact. Nominated by her supervisor, Professor Harro von Blottnitz. Chitaka became one of 10 emerging scientists to receive the Blue Charter fellowship from the Association of Commonwealth Universities and the first recipient of the Excellence in Academia PETCO Award for her research work.



Women taking science to the streets

An array of dynamic women scientists in white lab coats shared their various areas of research with passersby at the V&A Waterfront on 28 September 2019.

The very first event of its kind in South Africa, Soapbox Science offers scientific researchers a platform to connect with and educate the general public about their work. What makes Soapbox Science even more noteworthy is the fact that it focuses specifically on the work of women in science. UCT contributed five of the nine presenters at the Cape Town event.

Baleka, Africa's first two-legged robot

This jumping bot is setting the stage for the future of robotics research, led by Dr Amir Patel's team at UCT's Department of Electrical Engineering.

"There is so much being done in robotics that can inspire future researchers, but much of it focuses on steady-state or constant-velocity motion," said Patel. "The new frontier is transient, rapid movement - and we are one of the first groups looking at that.

"The hope is that our work will not only result in novel robotic applications, but also serve as platforms for biomechanics to better understand the way humans and animals move."

Preparing Africa for 5G

As the Fourth Industrial Revolution (4IR) becomes part of our future, UCT's Dr Joyce Mwangama is leading the way with the development of Africa's first 5G testbed

5G can be viewed as an enabler of the 4IR, which has been described by the World Economic Forum as a "fundamental change in the way we live, work and relate to one another"

The service not only amplifies the speed of technology, but also creates the potential to use it to improve livelihoods

Fair work principles

Two months after launching the first-ever international ranking of working conditions and standards in the platform economy. Fairwork - a collaboration between UCT, the University of the Western Cape and the universities of Oxford and Manchester - released four new ratings for South African digital labour platforms.

As part of a 30-month project funded by the Global Challenge Research Fund, UCT's Professor Jean-Paul van Belle and Dr Paul Mungai (Department of Information Systems) measured digital labour platforms' levels of adherence to five Fairwork principles: fair pay, fair contracts, fair conditions, fair management and fair representation



GBP20 million

was provided by the United Kingdom Research and Innovation's Global Challenges Research Fund to establish an innovative hub focused on ocean health.

"It's a significant leap in terms of accepting liability for a disease that, historically, has ravaged this country. ... [UCT] is there to ... protect human rights, protect the environment, assist with social security issues and with health. ... We see it as our role as engaged scholars to be dealing with these big issues."

- Professor Mohamed Jeebhay

One Ocean Hub

Researchers from UCT's departments of environmental and geographical sciences, biological sciences, and commercial law are part of a new multinational. interdisciplinary project called the One Ocean Hub. which aims to transform global responses to urgent challenges facing our oceans.

While many people, institutions and organisations have dedicated themselves to turning the tide on ocean degradation, they are losing ground, in part due to a lack of collaboration and integration.

The five-year One Ocean Hub project aims to bridge the disconnections between law, science and policy in addressing global ocean challenges. It will do this through transdisciplinary and innovative research and by integrating governance frameworks to balance ocean uses with conservation.

The hub will investigate how to share fairly and equitably the environmental, socio-cultural and economic benefits of ocean conservation and sustainable use. focusing on developing nations in Southern Africa and the South Pacific: Fiji, Ghana, Namibia, Solomon Islands and South Africa. The programme comprises 24 research partners, including UCT, and 35 partner organisations.

Shark-eating killer whales

Broadnose sevengill sharks have long occupied the apex of the food chain in False Bay - along with great white sharks - but the discovery of several dead sevengill sharks by scuba divers indicated that this might be changing.

The cause of death initially remained a mystery because no dead sharks were recovered for examination, but Alison Kock, an honorary research associate at the Institute for Communities and Wildlife in Africa (iCWild) at UCT, and Tamlyn Engelbrech, a PhD student in marine biology at iCWild, hypothesised that the attacks were possibly indicative of a new sub-group of killer whale. This after reviewing the literature on killer whale behaviour, dietary specialisation and population delineation globally and locally.

The arrival of two new killer whales in the bay in January 2015, and the death of five great white sharks further up the coast in Gansbaai in 2017, supported their theory. The increased presence of these particular killer whales in False Bay could have profound impacts throughout the ecosystem.



UCT was one of only a handful of institutions that participated in the Weddell Sea Expedition 2019. This joint venture between organisations in the United Kingdom, the Netherlands, South Africa and New Zealand planned to survey the underside of the Larsen C ice shelf, document the marine wildlife of the Weddell Sea ecosystem and find the wreck of Sir Ernest Shackleton's ship Endurance, which sank there in 1915.

The scientists who made up the expedition travelled to the Weddell Sea at the edge of Antarctica aboard the South African vessel R/V SA Agulhas II during January and February 2019. Among the glaciologists, marine biogeochemists and archaeologists were UCT oceanographers Dr Sarah Fawcett and Dr Katherine Hutchinson.



UCT's role in R5 billion settlement

Dr Shahieda Adams and Professor Mohamed Jeebhay were part of a team that played an integral role in providing technical medical input to the legal arguments in South Africa's historic R5 billion settlement for the gold miners who contracted silicosis and/or pulmonary tuberculosis at work.

The settlement marked an important milestone in the fight not only against TB, but also for workers' rights and for improved industry exposure standards.

1



RESEARCH AND INNOVATION University rankings

Times Higher **Education World** Jniversity Rankings Ist in Africa 136th in the world • 9th in the Emerging Economies University Rankings Top 100 in two subjects: clinical, preclinical and health, and social

sciences

Women in

research

Quacquarelli vmonds World , niversity Rankings 1st in Africa 198th in the world 91st in the Graduate **Employability Rankings** Top 100 in nine subjects, including development studies (9th)

of the academics at

of UCT's 6 NRF P-rated

scholars were women,

out of 5 in the country.

of UCT's postdoctoral

fellows were women.

of UCT's postgraduates

were women

of UCT's SARChI

chairs were held

by women.

UCT were women.

Center for World University Rankings 1st in Africa 252nd in the world

US News Best **Global Universities** 1st in Africa 121st in the world Top 100 in three subjects: immunology (56th), microbiology (72nd) and social sciences and public health (73rd)

ShanghaiRanking's Academic Ranking of World Universitie Ist in Africa 201-300 band in the world Top 75 in four subjects, including mining and mineral engineering (20th) and oceanography (36th)

R1.77 billion

value in external research contracts approved in 2019

R 42.6 million in accumulated income since 2001 from intellectual property commercialisation

28

patents

granted

163 research contracts signed in 2019

>R100 million of equity in spin-off companies

191 active inventions

filed

66 patent applications

National Research Foundation (NRF) ratings

NRF-rated scholars by category:



SARChI chairs by faculty:

14

43 of the country's SARChI chairs (South African Research Chairs Initiative) were held by UCT researchers.

Global networks

UCT is a member of the following global university networks: The African Research Universities Alliance (ARUA) The International Alliance of Research Universities (IARU) The Worldwide Universities Network (WUN) The Southern African-Nordic Centre (SANORD) The Australia-Africa Universities Network (AAUN)

11 671	364	2 267
postgraduates	Postdocs	PhDs
5 997	1558	1 485
Master's	Honours	PGDips

TEACHING AND LEARNING





new massive open online courses (MOOCs) were launched at UCT in 2019.





Teachers really are on the front lines, engaging with students on a daily basis, sometimes receiving little appreciation for their efforts.

Teaching truly is a calling, isn't it? I am proud to say that many of our colleagues go above and beyond to help their students achieve success, so one of my highlights each year is the presentation of the Distinguished Teacher Award. Another wonderful platform for recognising the dedication of our teachers is the Vice-Chancellor's Inaugural Lecture Series - we celebrated six appointments to full professorship in 2019.

More than these individual teachers, many of UCT's courses have been recognised for their excellence.

Absolutely. The Centre for Innovation in Learning and Teaching (CILT) launched eight new massive open online courses (MOOCs) in 2019, bringing the UCT total to 23. Of these, five appeared on Class Central's Top Free Online Courses of All Time, matching MIT and the University of Sheffield for most MOOCs listed. Another course highlight came from the Graduate School of Business, where the Executive MBA programme was named the best in Africa and rated in the top 50 worldwide - the first African programme to do so.

Social responsiveness underlies the academic project at UCT. How does your portfolio support this?

Various faculty initiatives address the complex social challenges in our country, and I am humbled by the real-life differences that they make. Our 2019 Engaged Scholarship Teaching and Learning Grants allowed staff members to develop courses that promote communityengaged teaching and learning. Dr June Bam-Hutchison (Centre for African Studies), for example, used the grant to work with the A/Xarra Restorative Justice Forum on a new undergraduate course; Associate Professor Una Kyriacos (Division of Nursing and Midwifery) facilitated an adult education course for rurally based ophthalmic nurses.

How is UCT promoting innovation in digital and online learning?

In 2019 we allocated 17 Teaching Innovation Grants to academics from CHED. Health Sciences. Humanities and Law to develop curricula or courses to improve student learning. The grants are used to design digital materials and open educational resources, which are becoming increasingly relevant in the Fourth Industrial Revolution. One of the projects is using virtual reality to lecture anatomy and physiology by immersing students in the human body in an interactive, virtual classroom.

The Formal Online Education Project is a five-year (2018-2022) initiative committed to improving access and reach. What progress has been made?

The first phase of the project, which is funded by the Vice-Chancellor's Strategic Fund, saw the selection of five undergraduate courses and two postgraduate programmes for development in blended and online teaching modes. Academics worked with CILT to enhance or design blended courses to promote student engagement and create innovative learning experiences. Four of the undergraduate courses: Statistics (Science); Writing Across Borders, and Empire and Modernities (Humanities): and Evidence Based Management (Commerce) launched in 2019. Towards a Decolonised Science in South Africa (Science) is in production. Two fully online postgraduate programmes were selected for development: the Postgraduate Diploma in Public Sector Accounting (Commerce), which launched in 2019: and the Postgraduate Diploma in Emergency Care (Health Sciences) planned for launch in 2021.

Distinguished **Teacher Award**

The 2018 Distinguished Teacher Award, the highest accolade awarded in recognition of teaching excellence at UCT, was presented to Associate Professor Jeff Murugan and his colleague Dr Anneliese Schauerte.

As a high school learner in KwaZulu-Natal, Associate Professor Jeff Murugan struggled to understand the point of mathematics, until two excellent teachers helped mould him into the mathematician and teacher he is today. Now deputy dean of the Faculty of Science and an associate professor in the Department of Mathematics and Applied Mathematics, Murugan also heads the Laboratory for Quantum Gravity and Strings.

Murugan said that Albert Einstein's words - "I have no special talent. I am only passionately curious." - have guided him throughout his teaching career.





When she embarked on her career as an academic. Dr Anneliese Schauerte loved the research aspect, but she was terrified of teaching initially. So, she gave herself six months to get to grips with "this teaching thing". That was 25 vears ago.

Schauerte teaches a third-year pure maths course to maths majors, as well as a service course to second-year engineering students. Her success as a teacher, she said, comes from paying careful attention to where her students are in understanding the subject matter, where they want to be and how she can get them there.

"Teaching is difficult, and teaching maths is especially difficult. There are many challenges, and to get past them, I really put my heart into it."

Inaugural lectures



Professor Ambroise Wonkam (13 March) "Enabling genetic medicine'



(3 May)

Professor **Professor Adam** Shadreck Haupt Chirikure (31 July) "Remixing "Why does 'success' scholarship: Hip continue to elude hop, the humanities contemporary and knowledge Africa? Some production' insights from deep history and archaeology"



Professor Rebecca Ackermann (14 August) "The evolution of human diversity: The relative roles of chance. adaptation and ancient sex"



Professor Collet Dandara (25 September) "Pharmacogenomics and personalising medicines in African populations for quality health: Yet another story of playing catch-up"



Professor Edwin Muchapondwa (9 October) "Nature resolves economic problems for humans: Must humans not reciprocate?'



and Success (DMISRS) is a collaborative project bringing together mathematicians from across the country in an attempt to improve student performance in mathematics, which is fundamental to all science, technology. engineering and mathematics (STEM) programmes.

The project aims to analyse the curricula of first-year mathematics courses in higher education to establish how best to address students' needs through curriculum-integrated support initiatives, including blended learning

On 8 and 9 July UCT's Centre for Educational Testing for Access and Placement (CETAP) hosted the second annual DMISRS symposium. the concept."

didn't run the course." he recalled.

older than the Rockies.





Teaching al fresco

What do you do when a booking glitch sees you and 180 students without a lecture venue? You set up class on the steps opposite the AC Jordan Building, as Carla Fourie did with her financial accounting students.

The students brought along their card packs - red, yellow and green - which allow them to flag problems in their understanding of Fourie's lectures.

"If I'm teaching a new concept ... I ask them to hold up their cards, and as I'm talking and explaining ... I can quickly see who is grasping

With 21 years of teaching experience and the 2009 Distinguished Teacher Award to her credit, Fourie is used to improvising (she carries a mini whiteboard in her handbag). Some may have taken the glitch as a signal to cancel the class, but Fourie believed that her students deserved better

WHEN WE HAVE I OAD-SHEDDING AND WHEN **TECHNOLOGY** DOESN'T WORK. WE TEND TO SAY. 'WE CAN'T DO IT. LET'S CANCEL.' IT'S ACTUALLY NOT OKAY."



Delivering inclusivity

Based in the Centre for Higher Education Development (CHED), in just four years the CILT team have created 23 MOOCs that have reached over 280 000 selfmotivated students across the globe.

Their 20th open-access course, *Educating Deaf Children: Becoming an empowered teacher*, addresses the educational needs of learners with disabilities by training teachers to respond to their individual requirements.

Educating Deaf Children is just one of four MOOCs commissioned by TEDI; the other three look at children with severe to profound intellectual disabilities, children with visual impairment, and disability inclusion and education.

GSB case-writing win

A team from UCT's Graduate School of Business won the international 25th CEEMAN and Emerald Case Writing Competition, beating 27 teams from 11 countries with their work on the marketing challenges faced by small- to medium-sized enterprises when taking their product global.

The case study, by Fran Heathcote and Professor Geoff Bick, examined the remarkable success story of South African entrepreneurs Johannes le Roux and Inus Smuts who, within two years of launching their nonalcoholic gin and tonic beverage, The Duchess, branched out internationally and won two awards.

"It is just such a great

story ... It is local and lekker and it promotes South Africa in an extremely positive way." "Working on this project, I learnt how incredibly valuable [MOOCs] are, how they ... make education so accessible to so many different people." - Dr Jane Kelly, research officer from the Teacher Empowerment for Disability Inclusion (TEDI) project.

Top Free Online Courses of All Time

Based on tens of thousands of user reviews, five UCT massive open online courses (MOOCs) made it onto the Class Central list of the Top Free Online Courses of All Time, putting the university in joint first place alongside MIT and the University of Sheffield. This achievement is even more remarkable when considering that Class Central runs more than 13 000 MOOCs from around 1 000 universities worldwide.

"This news is testament to the passion and expertise of our fabulous academics who have opened their teaching to a global audience and to the production teams who have designed such high quality online courses," said Sukaina Walji, online education project manager at CILT.

The UCT courses that made the list are: Medicine and the Arts: Humanising healthcare; What is a Mind?; Extinctions: Past and present; Education for All: Disability, diversity and inclusion; and Understanding Clinical Research: Behind the statistics.



Stella Clark Teachers' Award

Each year the Centre for Higher Education Development (CHED) invites students to nominate the high school teachers who helped them to achieve their dream of accessing tertiary education.

Thuli Shongwe, who teaches at Mandlesive Secondary School in Mpumalanga, was the recipient of the 2019 Stella Clark Teachers' Award. A mother, caregiver, mentor and pillar of strength is how second-year LLB student Sandiso Sifumba described his favourite high school English teacher.

TEACHING AND LEARNING IN 2019

new massive open online courses (MOOCs) were launched in 2019, bringing the UCT total to 23. UCT MOOCs have attracted over 280 000 enrolments from more than 100 countries.

10 universities participated in UCT's second New Academics Transitioning into Higher Education Project (NATHEP), which focused on academic staff development.

teachers from four Western Cape universities came together for UCT's third New Academics' Transition into Higher Education Regional Colloquium.

274

UCT staff, students and colleagues from associated institutions, attended the 2019 Teaching and Learning Conference, with 61 presentations to choose from. **43** academics successfully completed the New Academic Practitioners' Programme (NAPP). Most of this cohort also completed the NAPP teaching project, which seeks to address teaching challenges.



In 2019 the d-school continued its work of introducing design thinking to UCT students and staff through several workshops. The school also partnered with the university's mechanical and electrical engineering students to use design thinking elements in their projects.

grants were allocated to academics in five faculties to create open

(DOT4D) project. These textbooks include aspects of curriculum transformation, collaboration with students, multilingualism and

textbooks as part of UCT'S Digital Open Textbooks for Development

students wrote the National Benchmark Test (NBT) over 728 sessions in 91 venues at UCT in 2019, facilitated by the Centre for Educational Testing for Access and Placement (CETAP) in the Centre for Higher Education Development (CHED).

9

FACULTY HIGHLIGHTS



Professor Martine Visser received the NSTF Water Research Commission Award for her water conservation project during the Cape Town water crisis.

Professor Jennifer Roeleveld received the 2019 International Tax Portfolio Author of the Year Award for *Business Operations in South Africa*.

Professor Alan Hirsch and Professor Haroon Bhorat were appointed to President Cyril Ramaphosa's Presidential Economic Advisory Council with effect from 1 October.

Dr Dyllon Randall, from the Department of Civil Engineering, received the Institution of Chemical Engineers Warner Prize, the 2020 Royal Society of South Africa Meiring Naudé Medal and a Next Einstein Forum Fellowship.

Associate Professor Kathy Michell, head of the Department of Construction Economics and Management, received the South African Women's Property Network Western Cape Professional of the Year Award in the public sector.

The Masterclass in Strategic Client Management programme, co-designed with Standard Bank, won gold at the European Foundation for Management Development Global Excellence in Practice Awards, a first for an African business school.

The GSB was ranked 51 in the world for its customised programmes by the Financial Times, improving its ranking for the second consecutive year by climbing 16 places, and one of just three African business schools to feature.



y the **The Case Writing Centre** was a winner in the annual Case Writing Competition of the European Foundation for Management Development, taking top honours in the 2018 African Business Cases category.

According to the Elsevier report *HIV/ AIDS research insights: Impacts, trends, opportunities,* South Africa is one of the global leaders in the field, and UCT was ranked as the most influential institution, based on its global field-weighted citation impact.

Dr Shahieda Adams and Professor Mohamed Jeebhay were part of a team that provided technical medical input in South Africa's historic R5-billion settlement for the gold miners who contracted silicosis and/or pulmonary tuberculosis at work. The South African Tuberculosis Vaccine Initiative (SATVI) and the Wellcome Centre for Infectious Diseases Research in Africa (CIDRI-Africa) were part of a multi-site medical trial that produced a candidate vaccine that showed a 50% efficacy in reducing the incidence of lung TB disease in HIV-negative adults with latent TB at the time of vaccination. The results were published in the prestigious *New England Journal of Medicine*.

The Department of Finance and Tax

student team of David Brooke, Mercy

Kimetto, Eden Gross, Emily Roberts

and Mohammad Badat, with faculty

advisor Associate Professor Francois

Local University Research Challenge.

Jameel Poverty Action Lab (J-PAL),

Africa at UCT, were two of the three

recipients of the 2019 Nobel Prize in

Professor Mark Zuidgeest, from

the Department of Civil Engineering.

was appointed as a member of the

of the African Centre of Excellence

for Development Impact Regional

Transport Research and Education

Associate Professor Jenny Whittal,

from Geomatics, was appointed the

of the International Federation

Chair of the Africa Regional Network

Centre in Kumasi, Ghana,

of Survevors.

International Scientific Advisory Board

Economic Sciences.

the international counterpart to J-PAL

Toerien, won the 2019/20 CFA Institute

Professors Abhijit Banerjee and Esther Duflo co-founders of the Abdul Latif









Engineering & the Built Environment



Graduate School of Business



In collaboration with the universities of Ghana and Leeds, **Professor Herman Wasserman**, director of the Centre for Film and Media Studies, was part of an international study that examined the impact of foreign development aid on media systems in seven African countries.

The Institute for Creative Arts teamed up with curator Associate Professor Jay Pather to present Infecting the City 2019, a six-day festival of public arts in November. Sociologist **Dr Faisal Garba** is collaborating with colleagues from Coventry University to set up the structure for the UK Research and Innovation Global Challenges Research Fund South-South Migration, Inequality and Development Hub and to lead the project's research in South Africa.

Opera singer extraordinaire **Pretty Yende** was awarded The Order of the Star of Italy – Ordine Stella d'Italia – to honour her groundbreaking impact on the European opera scene.

The Democratic Governance and Rights Unit (DGRU) received a

with 15 member countries of the

Professor Jaco Barnard-Naudé

Studies, holds a British Academy Newton Advanced Fellowship (2017-

R1 million grant to establish the Judicial

Southern African Chief Justices' Forum.

co-director of the Centre for Rhetoric

2020) in the Westminster Law School.

He is investigating the spatial legacy

of apartheid.

Institute for Africa, and worked regularly

UCT Law placed 77th in the Times Higher Education World University Rankings and maintained its position in the 100-150 band of the Quacquarelli Symonds World Subject Rankings, and as the top law school on the continent.

The first official law lecture of the South African College (as UCT was first known) was delivered on 16 April 1859. In 2019 the faculty celebrated its 160th anniversary, culminating in a celebration on 17 October.

Professor Susan Bourne, from the Department of Chemistry, won a prestigious international Distinguished Women in Chemistry award from the International Union of Pure and Applied Chemistry.

Professor Ed Rybicki, from the Department of Molecular and Cell Biology, was identified as the Top Intellectual Property Creator for UCT. He received the award from the National Intellectual Property Management Office / Department of Science and Technology.

The UCT Careers Service advertised 263 bursaries (through various mediums) with a total funding of R44 million for students from disadvantaged backgrounds and those with disabilities.

Three institutionally responsive teaching and learning collaborative projects gained traction: Academic Advising, Data Analytics for Student Success, and Academic and Professional Staff Development. Professor Shadreck Chirikure, head of the UCT Archaeological Materials Laboratory, will take up his place at the University of Oxford's School of Archaeology after winning a Global Professorship from the British Academy for his studies of pre-colonial urban societies in Africa.

PhD student Dickson Mambwe was one of only 30 early-career scientists selected from across the globe to participate in the 2019 CAS Future Leaders Program, an initiative of the American Chemical Society.

The Centre for Innovation in Learning and Teaching (CILT) generated 22 funded projects in the year with a grant value of R80.3 million.

The Careers Service ran four career expos – Internships, Accounting, Law and the Epic Job Expo – hosting a total of 149 companies with 625 recruiters attending.

Vula's footprint was over 45 000 users and lecture recording was used by 16 632 students.

"In 2019 our students proved that they have what it takes to become real change-makers in our society. Whether they were winners at the UCT Student Leadership Awards or the national Entrepreneurship Intervarsity; whether their projects and ideas addressed education. banking or inclusivity in this country, it is very clear that our students are already building the kind of society that they want to be a part of in the future, uncertain though it may be. Their participation on the international stage shows that this university continues to produce truly global citizens. I am certain that their enthusiasim, energy and willingness to grapple with our complex social challenges will become emblematic of the increasingly technological world we find ourselves in while retaining the centrality of our common humanity."

DR MOONIRA KHAN

Executive Director: Department of Student Affairs

Giant leap for student start-up

Zaio, a gamified platform that offers open-access learning for aspiring software developers, topped the Existing Business: Social Impact category at the 2019 Entrepreneurship Intervarsity. The platform was launched in 2018 to help student developers gain practical experience and to help start-ups build affordable tech.

Zaio has since partnered with UCT's School of IT and the Faculty of Engineering & the Built Environment to endorse projects completed through the platform. They will also partner with incubators in Cape Town and Gauteng as a tech provider for other start-ups.



The Zaio team are (back from left) Myelo Hlophe. Asif Hassam, Mihlali Xozwa, Nthutuko Mpaku and Thando Hlongwane, and (front from left) Akhil Boddu and Harjot Singh.

SA's 'LinkedIn for creatives'

Founded by commerce students Dean Adams, Darshil Ramchander and Sabir Buxsoo, Untapped Culture is a digital portfolio that allows creative professionals to upload their CVs and examples of past work. It also serves as an online directory for anyone in the country seeking a creative professional

UCT's Mandela Rhodes scholars

Seven UCT students were honoured among the Mandela Rhodes Foundation Class of 2020, joining 47 inspirational young leaders from across Africa. They are: Tariro Chatiza, Tatenda Kaponda, Sister Kashala, Hlumelo Marepula, Nyasha Mashanda, Joshua Mirkin and Nosisa Ngwenyama.





3D-printing solution for education

Denislav Marinov, a third-year physics and chemistry student, plans to put one educational 3D printer into every school in South Africa. He believes that this will drive solution-based, collaborative and cross-disciplinary thinking among learners - and effectively democratise education.

The aim is to enable learners to creatively address South African problems and then use design thinking and engineering - and a 3D printer - to create tangible solutions

One of the high-impact leaders in the Klaus-Jürgen Bathe Leadership Programme, Marinov's industrial 3D printer design will eventually produce the smaller printers for schools

R70 000

was raised in the first round of crowdfunding for Marinov's industrial 3D printer design.

Oxford Global Challenge

Five UCT students represented the university at the Oxford Global Challenge: Map the System 2019 - a global competition that encourages participants to think differently and deeply - about social and environmental change. The UCT team, Mas'Funde, was one of 1146 competing from 33 universities internationally.

Tasked with understanding and resolving challenges plaguing their home countries and the world at large, Mas'Funde chose to engage with South Africa's basic education crisis.



Levelling the maths and physics plaving field South Africa continues to face a dearth of qualified engineers, and a final-year mechanical engineering student said he not only knows why, he's also doing something about it.

Thabang Sebetoane, a maths and physics aficionado, has seen this first-hand, with several of his friends unable to cope with the maths and physics that the degree demands. In response, he established Tshehetso, a mentoring and tutoring non-profit organisation that grooms matric pupils for what's ahead when they begin their engineering studies. "Tshehetso aims to level the

"Nothing gives me more pleasure than knowing that I can help and make a real difference.'

quintile 5 schools, and to provide children in poorer communities with the same training and learning opportunities that children in more affluent schools are exposed to." Sebetoane and his team of tutors also help with the university enrolment process, and once candidates are accepted. Tshehetso runs support camps before the start of the academic year.

playing field between quintile 1 and



Mas'Funde are (back from left) Prashant Venkat, Phalo Maurice-Mopp and Thuba Mzila, and (front from left) Mabothe Maleka and Tlhogi Dube

Leading with distinction

Some of UCT's brightest stars were lauded for their achievements at the 2019 Student Leadership Awards, held at the Baxter Hall residence on 15 October.

Individual winners

Vice-Chancellor's Award: Athenkosi Nzala Deputy Vice-Chancellor's Award: Asanda Lobelo **Executive Director: DSA Student** Leader Award: Camri Schoultz

Kerry Capstick-Dale Leadership Award: Shamila Mpinga and Dali Maseko Leadership Excellence Award:

Jessica Worsley, Willie Macharia, Thabang Sebetoane, Nicholas Loxton and Soligah Solomons Media and Arts Award: Lance-Selae August and Soligah Solomons

Entrepreneur Award: Athenkosi Nzala, John Anyetei, Savannah Verhage and Thapelo Nthite Social Responsiveness Award: Athenkosi Nzala

Team winners UCT Student Team of the Year: SHAWCO Health Most Outstanding Team in Sports: UCT ParaSports Club Most Outstanding Society Executive: UCT Surgical Society Most Outstanding Team in a Social Responsiveness Initiative: Tshehetso Most Outstanding Undergraduate Student Faculty Council: Law Students' Council Most Outstanding Team in Residence Life: Academic Representatives' Council Most Outstanding Team in Media: Varsity News Collective Most Outstanding Postgraduate Student Faculty Council: Postgraduate Law Students' Council



The Pitch

Run by the Academic Representatives' Council, The Pitch finals on 9 May saw eight aspiring entrepreneurs pitching their service or product to a panel of potential investors. To compete, entrants had to be enrolled at UCT and have a concept in either the idea or testing phase.

From over 150 initial entrants, 4IR Mobile Clinic - the brainchild of Tlotliso Jonas, Namhla Jugu and Evans Tjabadi - took first prize in the ideation category for their plan to create a convenient, digitalised mobile clinic to address access to healthcare. Top honours in the testing category went to Jasantha Singh for her product Aurora Rose, an unfragranced soap suitable for ultra-sensitive skin.

'Kasi kid' wins Budget **Speech Competition**

Economics student Caleb Qoyo won the undergraduate section of the 2019 Nedbank / Old Mutual Budget Speech Competition to emerge as one of the brightest young economic thinkers in South Africa.

The "kasi kid" believes that many of his peers are keen to "start their own businesses and create employment for others", as well as "create solutions for us, by us that understand the nuances of our context"

With plans to start his own NGO within the socio-economic field. Qovo works part-time as the programme coordinator at the Emagqabini Education Academy, which specialises in tutoring. mentorship and career guidance for learners in Khayelitsha.





Hijab-wearing rugby player talks inclusivity

When Zahraa Hendricks ran onto the field for UCT's women's rugby team, she had no idea that her hijab would garner so much attention - nor that it would spark debate about inclusivity.

During a pre-season friendly against the Cape Peninsula University of Technology on 2 March, photographer Cheryl Roberts snapped two pictures of the young player. The caption originally shared by Roberts read:

"In South Africa, on a sports field in Cape Town today, a hijab-wearing woman rugby player enjoys participating in rugby. And there are no objections to her religious attire on the sports field.

Elsewhere in the world, in a country like France, a hijab wearing sportswoman was objected to. Not in South Africa."

But for Hendricks, it was nothing out of the ordinary.

"I mean, this is who I am. When I go to practices, I always wear my scarf."

The online response was overwhelmingly positive. People spoke about their pride as South Africans, how the country is more integrated than the rest of the world, and how Hendricks is paving the way for other young Muslim girls. The comments speak to inclusivity on a national level, but also at UCT.

As for her own efforts to build inclusive spaces, Hendricks sees herself as part of a movement of Muslim women who are defying the stereotypes of them as oppressed, submissive and without agency.

UCTBABROWS

"I'M HERE TO SHOW THAT THERE IS A PLACE FOR US, AND WE CAN DO WHAT WE WANT TO DO."

VISION

UCT is an inclusive and engaged research-intensive African university that inspires creativity through outstanding achievements in learning, discovery and citizenship; enhancing the lives of its students and staff, advancing a more equitable and sustainable social order and influencing the global higher education landscape.

MISSION

the world.

UCT provides a vibrant and supportive intellectual environment that attracts and connects people from all over the world.

We aim to produce graduates and future leaders who are influential locally and globally. Our qualifications are locally applicable and internationally acclaimed, underpinned by values of engaged citizenship and social justice. Our scholarship and research have a positive impact on our society and our environment.

We will actively advance the pace of transformation within our university and beyond, nurturing an inclusive institutional culture which embraces diversity.

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UCT is committed to engaging with the key issues of our natural and social worlds through outstanding teaching, research and scholarship. We seek to advance the status and distinctiveness of scholarship in Africa through building strategic partnerships across the continent, the global south and the rest of

