

1. Pre-conference Programme (4 November 2019)

Monday 4 November 2019 Pre-Conference Workshops

VENUE: Tshwane University of Technology Mbombela Campus	
Transport for delegates who have indicated they require such to and from the workshops will leave at 08:00 sharp from the hotel	
08:00-08:30	Registration and tea
08:30-08:45	Opening and welcome: Dr KF Netshimbo, Campus Rector Venue: Building 6-G05, Tshwane University of Technology, Mbombela Campus
08:45-09:00	Delegates proceed to the pre-conference workshop venues
09:00-11:00	Pre-conference workshop 1 Workshop title: <i>The value, power and promise of data mining techniques</i> Presenter/s: Ms Elizabeth Booï Venue: Building 10-G06 Training Overview: <p>The workshop is for anyone who wants to learn new skills in advanced data analytics. In order for IR practitioners to be X-factors for efficiency and effectiveness they need to do thing differently and change as the environment is also changing. The workshop will be cover some aspects of the data mining process, statistical concepts, machine learning techniques and finally the visualisation techniques. Data-informed decision-making process requires more than just using data reporting from the hindsight on an excel spreadsheet. It requires an in-depth, refined and multifaceted analysis approach with the use of predictive analytics and prescriptive analysis. These techniques used by universities has grown with application in student success and operational efficiencies of the universities.</p> <p>After completing the workshop students will be able to:</p> <ul style="list-style-type: none">• Understand the data mining techniques and process• Debate data ethical issues with confidence• Explore the data for better evaluation and decision making• Apply general data management and statistical analysis concepts• Write simple programming code with IR• Interpret, visualise and present data with Tableau or any visualisation tool

Pre-conference workshop 2

Workshop title: *Combined assurance in higher education:
Closing the quality loop*

Presenter/s: Ms Emily Mabote, Ms Celia Mazibuko and Mr Nhlanhla Dikiza

Venue: Building 10-G05

Training overview:

The workshop will introduce participants to the concepts of combined assurance and risk-based assurance. In terms of the requirements of King IV, Combined Assurance is about optimizing all assurance providers of an organization so that they can enable an effective control environment; support the integrity of information used for internal decision-making by management, and the governing body. Combined assurance is simply, ensuring that a coordinated approach is applied in executing assurance on whether key risks are being managed appropriately within the university. The workshop will be highly interactive and will unpack the benefits of Combined Assurance for higher education and further practically indicate how to use combined Assurance processes to close the quality loop. Participants will be provided with the following workshop resources: handouts, PowerPoint slides, and a workbook outlining various topics on Combined Assurance including practical exercises that the participants will do during the workshop.

The workshop will use Tshwane University of Technology (TUT) as a case study to illustrate the practical implications of implementing an effective combined assurance system for a university.

	<p>Workshop outcomes:</p> <p>At the end of the workshop participants should be able to:</p> <ul style="list-style-type: none"> • Understand what Combined Assurance is. • Understand the rationale for establishing a Combined Assurance system in a higher education institution. • Know the basics of establishing Combined Assurance for their Institutions. • Identify the combined assurance providers and their roles and responsibilities. • Understand how combined assurance assists the university in promoting good governance. • Understand the risk-based approach to Combined Assurance. • Understand how to close the quality loop through Combined Assurance. <p>Pre-conference workshop 3</p> <p>Workshop title: <i>Empowering institutional researchers for the fourth industrial revolution through artificial intelligence and machine learning training in the real world</i></p> <p>Presenter/s: <i>Mr Innocent Mamvura</i></p> <p>Venue: Building 12-G02</p> <p>Training Overview:</p> <p>Higher education in the fourth industrial revolution (HE 4.0) is a complex, dialectical and exciting opportunity which can potentially transform society for the better. The fourth industrial revolution is powered by artificial intelligence and it will transform the workplace from tasks-based characteristics to the human centred characteristics. The training will introduce SAAIR delegates with the key concepts of the Fourth Industrial Revolution and how they can apply the concepts in their work environments. It will cover topics in Artificial Intelligence and Machine Learning with a focus on Higher Education. Delegates will be split into teams and given practical lab sessions using selected higher education datasets to solve the business problem.</p> <p>After a successful completion of this workshop, participants should be able to:</p> <ul style="list-style-type: none"> • Explain the concepts of Artificial Intelligence and Machine learning; • Design and implement various learning algorithms in a range of real-world applications
11:00-11:15	Mid-Morning Tea/Coffee
11:15-13:00	Workshops continue
13:00-14:00	Lunch
14:00-16:00	Workshops continue
16:00	End of day

2. Conference Programme

Conference 5 - 7 November 2019
Venue: Southern Sun Emnotweni,
Mbombela (Nelspruit), Mpumalanga

Day One: 5 November 2019	
07:45-08:30	Tea and Registration
08:30-08:40	Plenary Session: Session 1 Conference chair: Ms Liile Lerato Lekena
08:40-09:10	Session 1.1 Welcome by Vice-Chancellor and Principal TUT Prof. Lourens van Staden
09:10-09:30	Session 1.2 Welcome by SAAIR President Dr Liz Archer
09:30 -09:40	Session 1.3 Chairperson: Mr Moses Motha
09:40-10:25	Session 1.4 Keynote Address: Prof Sid Nair Executive Director and Chief Executive Officer Tertiary Education Commission of Mauritius Keynote address title: <i>Re-engineering the DNA of Institutional Research</i>
10:25-10:40	Session 1.4.1 Question and answer session
10:40-10:55	Mid-Morning Tea/coffee

11:00	Venue 1	Venue 2	Venue 3
	Session 1.5	Session 1.6	Session 1.7
	Chair: Ms Emily Mabote	Chair: Mr Juan-Claude Lemmens	Chair: Dr Mxolisi Masango
11:00-11:30	1.5.1. Presenter/s: Mr Booyesen Sabeho Tubulingane and Maarianne Gei-Khoibes Presentation title: Quantifying the contribution of a university library to student academic performance Institution: Namibia University of Science and Technology (NUST)	1.6.1. Presenter/s: Mr Mafika Nkambule and Mr Joel Nkululeko Mampa Presentation title: Positioning your business process model as a driver for digital transformation in higher education Institution: Tshwane university of Technology	1.7.1. Presenter/s: Ms Allison Mlitwa, Dr Reshma Subbaye and Dr Temwa Moyo Presentation title: "They don't trust the data" Institutional research utilization and issues of legitimacy Institution: University of Stellenbosch, Mangosuthu University of Technology and Rhodes University
11:30-12:00	1.5.2. Presenter/s: Mr Rohan Posthumus Presentation title: Targeted Student Support: A Machine Learning Approach Institution: University of Free State	1.6.2. Presenter/s: Mr Jan-Hendrik Viljoen Presentation title: Design Science Research as a core approach for the Institutional Research Professional Institution: North West University	1.7.2. Presenter/s: Dr Elizabeth Archer and Ms Dorys Crespín- Mueller Presentation title: What makes an institutional research professional tick: Successful habits and attitudes Institution: University of the Western Cape and Thompson Rivers University (Canada)

12:00-12:30	<p>1.5.3. Presenter/s: Mr Moses Kebalepile</p> <p>Presentation title: The use of complex data sets to describe changes in student risk profile: over time and the description of factors related to the said risk profile</p> <p>Institution: University of Pretoria</p>	<p>1.6.3. Presenter/s: Mrs Lizl Steynberg, Prof Henry Mynharbt, Prof Bing Liu, and Dr Jan Grundling</p> <p>Presentation title: The emergence of a new perspective on higher education governance in developing countries</p> <p>Institution: Hebei University of Technology, Tshwane University of Technology, Southern Business School</p>	<p>1.7.3. Presenter/s: Mr Mathole Macwele and Ms Enna Moroeroe</p> <p>Presentation title: Challenges with online surveys at a South African university</p> <p>Institution: University of Free State</p>
12:30-13:00	<p>1.5.4. Presenter/s: Dr Jannie Jacobsz</p> <p>Presentation title: Towards efficiency and effectiveness: The doctoral student voice</p> <p>Institution: North West University</p>	<p>1.6.4. Presenter/s: Dr Alten du Plessis</p> <p>Presentation title: A conceptual framework for a flourishing, ubuntu-inspired and 21st century ready university</p> <p>Institution: Stellenbosch University</p>	<p>1.7.4. Presenter/s: Mr Mahlaga Molepo and Prof Archie Dick</p> <p>Presentation title: The academic library in society's knowledge system: a case study of Tshwane University of technology</p> <p>Institution: Tshwane University of Technology and University of Pretoria</p>
13:00-13:30	Lunch on the go!		
13:30-17:00	Excursion afternoon		
19:00-23:00	<p>Garden Cocktail Dinner</p> <p>Theme: <i>“Jeans and Bling” (NB. best dressed gets a prize)</i></p>		

Day Two: 6 November 2019

08:00-08:30	Registration and Early-Morning Tea/coffee
08:30-08:40	Plenary Session: Session 2 Conference chair: Ms Liile Lerato Lekena
08:40-08:50	Session 2.1 Chairperson: Mr Nhlanhla Dikiza
08:50-09:30	Session 2.2 Keynote Address by Dr Dhaya Naidoo Executive Director and Chief Information Officer (CIO): Institutional Effectiveness and Technology Tshwane university of technology Keynote address title: <i>Reframing Institutional Research: A Management View</i>
09:30-10:00	Session 2.2.1 Response by Dr Kenneth Netshiombo: Campus Rector, Tshwane University of Technology, Mbombela Campus
10:00-10:20	Session 2.2.2 Question and answer session
10:20-10:35	Mid-morning Tea/Coffee
10:35-11:05	Conference Photograph Session
11:05-12:35	Session 2.3 SAAIR Annual General Meeting
12:35-13:05	Introduction of scholars
13:05 -14:00	Lunch

14:00	Venue 1	Venue 2	Venue 3
	Session 2.4	Session 2.5	Session 2.6
	Chair: Ms Ziyanda Ngxabazi	Chair: Mr Glen Barnes	Chair: Mr Louis N Mapatagane
14:00-15:00	2.4.1. Workshop by: Mr Jerall Toi Workshop title: A Practical Introduction to Privacy Impact Assessment Institution: University of Stellenbosch	2.5.1. Presenter/s: Mrs Granny Setswe, Dr Maria Madiope and Prof. Mpine Makoe Presentation title: Using a Whatsapp Group Chat (WGC) for staff development Institution: Tshwane University of Technology and University of South Africa	2.6.1. Presenter/s: Mr Herman Visser and Dr Matsheliso Molapo Presentation title: Sourcing and reporting data from several sources: The case of the VC's quarterly report to council Institution: University of South Africa
14:30-15:00		2.5.2. Presenter/s: Prof. Ashley Ross, Ms Nicky Muller, Prof. Darren Lortan and Dr Kavita Beemsen Presentation title: Triangulating data for strategic planning: experiences of data synthesis to inform radical strategic revisioning Institution: Durban University of Technology	2.6.2. Presenter/s: Ms Melissa van der Vyver, Ms Anri Dorfling and Dr Wilhelm Uys Presentation title: Enhancing the academic planning process at Stellenbosch University: Incorporating financial sustainability Institution: University of Stellenbosch

15:00-15:30	<p>2.4.2. Panel Discussion by: Mr Ashton Maherry, Ms Nicky Muller, Mr Rajan Naicker and Dr Koo Parker</p> <p>Panel Discussion title: Durban University of Technology –</p> <p>Panel Discussion: Building institutional capacity towards a data informed culture for student success</p> <p>Institution: Durban University of Technology</p>	<p>2.5.3. Presenter/s: Ms Mercy Sondlo</p> <p>Presentation title: Stakeholders experiences of the quality Enhancement Project in South African universities</p> <p>Institution: Tshwane University of Technology</p>	<p>2.6.3. Presenter/s: Ms Thabang Kaneli and Dr Mxolisi Masango</p> <p>Presentation title: The effects of unmet financial aid needs on academic performance among first year students at Wits</p> <p>Institution: University of the Witwatersrand</p>
15:30-16:00	<p>2.4.3. Presenter/s: Mr Louis N Mapatagane</p> <p>Presentation title: Longitudinal tracking in institutional research using data visualisation</p> <p>Institution: University of Zululand</p>	<p>2.5.4. Presenter/s: Ms Linda Jackson and Prof. Kat Yassim</p> <p>Presentation title: Enabling Conversation and Co-creation: towards decolonising lecturer and student conceptions of quality teaching and learning in higher education</p> <p>Institution: Nelson Mandela University and University of Johannesburg</p>	<p>2.6.4. Presenter/s: Ms Sanri Joubert</p> <p>Presentation title: Unveiling Financial truths in an academic environment</p> <p>Institution: North West University</p>
16:00-16:30	Afternoon Tea/Coffee		
19:00-22:00	<p>Gala Dinner</p> <p>Theme: <i>Into-The-Wild!</i></p>		
	Come dressed appropriately (Best dressed wins a price)		

Day Three: 7 November 2019

08:00-08:30	Early-Morning Tea/coffee		
08:30-08:40	Plenary Session: Session 3 Conference chair: Ms. Liile Lerato Lekena		
08:40-08:50	Session 3.1 Chairperson: Ms Emily Mabote		
08:50-09:30	Session 3.2 Keynote Address: Dr Christine Keller Executive Director and Chief Executive Officer (CEO): Association of Institutional Research (AIR) Keynote address title: <i>Leveraging data and analytics to transform higher education for student success</i>		
09:30-09:50	Session 3.2.1 Question and answer session		
09:50-10:20	Sponsors' presentations		
10:20-10:30	Mid-Morning Tea/Coffee		
10:30	Venue 1	Venue 2	Venue 3
	3.3 Session	3.4 Session	3.5 Session
	Chair: Dr Elizabeth Archer	Chair: Ms Jaunita Frans	Chair: Mr Herman Visser
10:30-11:00	3.3.1. Presenter/s: Mr Taabo Mugume and Ms Semira Pillay Presentation title: Decolonisation attempts at a South African university Institution: University of Free State	3.4.1. Presenter/s: Dr Angelo Fynn and Dr Elizabeth Archer Presentation title: The missing link in learning analytics: Pedagogical maturity Institution: University of South Africa and university of the Western Cape	3.5.1. Presenter/s: Mr Ashton Maherry and Mr Randhir Rawatlal Presentation title: AutoScholar-Student tracking at Durban University of Technology Institution: Durban University of Technology

11:00-11:30	<p>3.3.2. Presenter/s: Ms Carla Kroon</p> <p>Presentation title: tracking information in the student life cycle at Stellenbosch University</p> <p>Institution: University of Stellenbosch</p>	<p>3.4.2. Presenter/s: Mr Sfiso Mabizela</p> <p>Presentation title: Predictors of academic success in the first-year study in three Therapeutic Health Sciences programmes</p> <p>Institution: University of the Witwatersrand</p>	<p>3.5.2. Presenter/s: Mr Siphelo Mapolisa and Ms Sindisiwe Dladla</p> <p>Presentation title: UNISA Graduate Exit Survey (GES) 2018</p> <p>Institution: University of South Africa</p>
11:30-12:00	<p>3.3.3. Presenter/s: Mr Mike Monyela</p> <p>Presentation title: Institutional researchers as agents of change for institutional transformation</p> <p>Institution: University of South Africa</p>	<p>3.4.3. Presenter/s: Dr Thelma de Jager</p> <p>Presentation title: Impact of SACE ePortfolios on student-teachers reflective metacognitive learning' and the development of higher order thinking skills</p> <p>Institution: Tshwane University of Technology</p>	<p>3.5.3. Presenter/s: Mr Eugene Mashapa and Dr Caroline Selepe</p> <p>Presentation title: First year students' experiences of Tshwane University of Technology: A five-year trend analysis</p> <p>Institution: Tshwane University of Technology</p>
12:00-12:30	<p>3.3.4. Presenter/s: Dr Koo Parker and Mr Ashton Maherry</p> <p>Presentation title: Institutional research practitioners transforming data analytics capacity at a university of technology</p> <p>Institution: Durban University of Technology</p>	<p>3.4.4. Presenter/s: Mrs Loumarie Kistner</p> <p>Presentation title: Using student success analytics for informed decision-making: SU's journey from static reporting to interactive self-help BI reporting</p> <p>Institution: University of Stellenbosch</p>	<p>3.5.4. Presenter/s: Ms Inge Newport</p> <p>Presentation title: How generation Z could change the future of research</p> <p>Institution: Tshwane University of Technology</p>

12:30-13:00	3.3.5. Presenter/s: Dr Matseliso Molapo and Ms Dorah Queen Sekhosana Presentation title: Finding common ground: Internationalisation and institutional effectiveness in view of an African university Institution: University of South Africa	3.4.5. Presenter/s: Mr HMVE Combrink Presentation title: The Lydia Algorithm: An Additional Tool for the Standardisation of Marking Large Class Assessments Institution: University of the Free State	3.5.5. Presenter/s: Ms Sewela Monyepao and Mr Sfiso Mabizela Presentation title: Predictors for minimum completion for Bachelor of Health Sciences Institution: University of the Witwatersrand
13:00-13:30	3.3.6. Presenter/s: Dr Remy C Nnadozie Presentation title: Ranking hype: HEMIS Outcome versus global ranking systems for South Africa Institution: Rhodes University		3.5.6. Presenter/s: Dr Wilhelm Uys and Mrs Loumarie Kistner Presentation title: Stellenbosch University business intelligence journey: A reflection Institution: University of Stellenbosch
13:30-14:00	Conference Closure		
14:00-15:00	Lunch		
15:00	Departure <i>Thank you for your attendance and participation</i> <i>Safe travel home</i>		

Title: