



## 20<sup>th</sup> Information Studies Annual Conference

18<sup>th</sup>-20<sup>th</sup> September, 2019

Peermont Metcourt Hotel, Empangeni, Kwazulu-Natal, South Africa

**THEME: Data, Information and Knowledge for Development in Africa**

**Conference Day One, 18 September 2019**

**Students' Presentation and Workshops**

**Venue: Peermont Mercot Hotel, Umfolozi Casino, Empangeni**

Time	Plenary Session 1	Chair: Dr. Neil Evans
08:00-08:30	<b>Registration, Beverages</b>	<b>Registration: Dr Maggie Masenya</b> <b>Administration Desk: Phindile Mhlongo, Zungu Nkosingiphile &amp; Mpilo Mthembu</b> (University of Zululand)
08:30-08:45	Welcoming and opening remarks	<b>Prof. Mogomme Masoga</b> Dean, Faculty of Arts, University of Zululand
08:45-09:30	<b>Keynote Address 1: Prof. Stephen Mutula</b> (Acting Dean and Head of School, Management, IT and Governance, University of KwaZulu-Natal)	ICT4D, Big Data Analytics and Industry 4.0 (4IR): Panacea or Catalyst for South African Youth Unemployment?
09:30-09:55	<b>Guest Speaker 1 : Prof. Kevin Bwalya</b> (University of Johannesburg)	Robotic Process Automation as a Precursor to e-Government in the Fourth Industrial Revolution
09:55-11:10	<b>Parallel Session 1</b>  <i>LIS Education and e-learning</i> <b>Chair: Prof. Marlene Holmner</b> (University of Pretoria)	<b>Parallel Session 2</b>  <i>ICT for Development/Informatics</i> <b>Chair: Dr Kehinde Owolabi</b> (Federal University of Agriculture, Abeokuta, Nigeria)
	Towards a Competency Index for Institutional Repository Librarians in Kenya  Milcah Gikunju and Tom Kwanya (University of Nairobi/Technical University of Kenya)	Social Media Use and Organizational Learning in Academic Libraries  John Otieno Oredo (University of Nairobi)

	<p>Library and Information Science (LIS) Students: Influences and Perceptions to Enrol into the LIS programme</p> <p><i>Talente Sibiya</i> (University of Zululand)</p>	<p>Use of eBooks in Selected Public Libraries in South Africa</p> <p><i>Lindiwe Magazi</i> (University of South Africa)</p>
	<p>Utilization of E-Books among Postgraduate Students in the Department of Information Studies at University of Zululand</p> <p><i>Nqubeko Siyanda Ngema</i> (University of Zululand)</p>	<p>Characteristics of Big Data Produced by the Technical University of Kenya and Strathmore University</p> <p><i>Lucy Wachera Kibe, Tom Kwanya, Ashah Owano</i> (Technical University of Kenya)</p>
	<p>The Impact of ICT in Learning to First-Year Students in the Department of Information Studies at University of Zululand</p> <p><i>Nkosinathi Magcaba</i> (University of Zululand)</p>	<p>Scaling up Health Care among Diabetic Patients using Mobile Technology</p> <p><i>Teresa Atieno Otieno and Alfred Akwala</i> (Technical University of Kenya)</p>
	<p>Role of Leadership in Enhancing the Performance of Academic Libraries in Nairobi City County, Kenya.</p> <p><i>Henry Hongo<sup>1</sup>, Tom Kwanya<sup>1</sup>, Joseph Kiplang'at<sup>2</sup></i> <sup>(1)The Technical University of Kenya</sup> <sup>(2)Moi University)</sup></p>	<p>E-Agriculture: Bridging the Agricultural Information Gap in Kenya</p> <p><i>Emily Bosire</i> (Moi University, Kenya)</p>
	<p>Collection Development Strategies and Challenges at the University of Zululand Library</p> <p><i>Majola Ncamsile Cebile</i> (University of Zululand)</p>	<p>Acceptance and Use of Electronic Library Services in Selected Private University Libraries in Nigeria</p> <p><i>Adedamola O. Oyewole &amp; Williams E. Nwagwu</i> (University of South Africa)</p>
11:10-11: 25	<b>Refreshments/Health Break</b>	
11:25-12:45	<p><b>Parallel Session 3</b></p> <p><i><b>Informetrics, Scientometrics and Altmetrics/ e-Government &amp; e-Governance</b></i></p> <p><b>Chair: Prof. DN Ocholla</b> (University of Zululand)</p>	<p><b>Parallel Session 4</b></p> <p><i><b>Knowledge and Indigenous management</b></i></p> <p><b>Chair: Dr Mzwandile Shongwe/Ronke Adesina</b> (University of Cape Town/University of Zululand)</p>
	<p>The Implementation of Kenya's Access to Information Act: A Reality Check</p> <p><i>Angella Kogos, Tom Kwanya</i> (The Technical University of Kenya)</p>	<p>Evaluation of the Techniques in Preserving Traditional Medicinal Knowledge in Umhlathuze in Kwazulu-Natal.</p> <p><i>Nokwanda Charity Khanyile</i> (University of Zululand)</p>

	<p>Analysis of the Adoption of the e- Voting Systems at Selected South African Universities</p> <p><i>Netshakhuma Nkholezani Sidney</i> (University of Mpumalanga)</p>	<p>Knowledge Retention and Transfer Challenges and Service Delivery in Nairobi City County Government (NCCG), Kenya.</p> <p><i>Eddie M. Obwaka, Tom Kwanya, Naomi Mwai</i> (Technical University of Kenya)</p>
	<p>Applying Delone and Mclean Information Systems Success Model in Evaluation of e- Government Initiatives: A Literature Review</p> <p><i>Mercy Nkanata</i> (University of Zululand)</p>	<p>Transfer of Tacit Knowledge among Staff at the Kenya National Library Service, Nairobi County, Kenya</p> <p><i>Christine Cherono Tuitoek</i> (Technical University of Kenya)</p>
	<p>Determinants of High Academic Performance among Female Students in the Department of Information Studies at the University of Zululand</p> <p>Cele Lindokuhle Johnson, (University of Zululand)</p>	<p>Preservation and Utilisation of Indigenous Knowledge in Enhancing Food Security by Farmers in ASALs in Kenya</p> <p><i>Rachael Ndunge Kimeu</i> (Technical University of Kenya)</p>
	<p>Production Patterns and Dissemination Avenues in Knowledge Management Research in Eastern and Southern Africa Region, 1991-2016</p> <p><i>Geoffrey Gichaba Nyamasege, Omwoyo Bosire Onyancha &amp; Tom Kwanya</i> (Technical University of Kenya and University of South Africa)</p>	<p>Students Records Management in the Registry Offices of the University of Zululand</p> <p>Mbalo Athini, (University of Zululand)</p>
	<p>Services for students with disabilities at the University of Zululand Library</p> <p>Mjoka Kwanele (University of Zululand)</p>	<p>Effects of Memory Disorders amongst LIS Undergraduate Students at the University of Zululand: The Role of Information Sources</p> <p>Shange Zinhle Samukelisiwe, (University of Zululand)</p>
12:45-13:30	<b>Lunch</b>	
13:30-15:30	<p><b>Plenary Session 2</b></p> <p><b>Chair: Dr. Maggie Masenya</b> (University of Zululand)</p>	
	<p><b>Guest Speaker 2: Prof. Mabel Majanja</b> (University of South Africa)</p>	<p>The Status of Electronic Teaching within South African LIS Education</p>

	<b>Parallel Session 5</b>  <i>Digital Scholarship/e-Records Management</i> <b>Chair: Prof. Mpho Ngoepe</b>	<b>Parallel Session 6</b>  <i>Cross-Cutting Themes</i> <b>Chair: Prof. Velile Jiyane</b>
	Digital Records Management for Good Governance in Tanzanian Public Universities <i>George Firmin Kavishe &amp; Francis Garaba (University of KwaZulu-Natal)</i>	An investigation of the utilization of electronic resources by LIS undergraduate students at the University of Zululand Mthembu Sicelo Njabulo <i>(University of Zululand)</i>
	Gone with the Wind or Living Happily Ever After? The Kenyan Story on Digital Archiving Practices in Public Universities <i>Juliet A. Erima (University of KwaZulu-Natal)</i>	Collaboration Between Librarians and Academics in the Department of Information Studies for Curriculum Development in KZN: A Literature Review <i>Mlambo Bethiweli Mathatha (University of Zululand)</i>
	Research Data Management in Public Universities in South Africa <i>Pinkie Mkhwanazi (Durban University of Technology)</i>	Transformation of the Commercial Property Sector for Wider Realisation of its Economic Benefits in eThekweni Metropolitan Area, South Africa: A Literature Review <i>Buyisiwe Mpungose (Durban University of Technology)</i>
	Contribution of Auditor-General South Africa to Records Management in the Public Sector in South Africa <i>Makutla Mojapelo (University of South Africa)</i>	Co-driving the 4 <sup>th</sup> Industrial Revolution: The Role of University Libraries as Promoters of Entrepreneurship among SMEs in Uganda <i>Robert Stalone Buwule (Kyambogo University Uganda)</i>
	Research Data Management Literacy Amongst Lecturers at Strathmore University <i>Fredrick Adika &amp; Tom Kwanya (Strathmore University and Technical University of Kenya)</i>	Career Advancement Experiences of Women in Senior Level Positions in Academia: The Case of Durban University of Technology <i>Sbongile Mbambo (Durban University of Technology)</i>
	Factors Influencing the Throughput Rate of Research-Based Postgraduates at a South African University <i>Sanelisiwe P Dlamini (Durban University of Technology)</i>	SMMEs for The Sustainability of the Township Economy: The Case of Townships in Greater DBN, Kwa-Zulu-Natal Township <i>Balungile Mokoena (Durban University of Technology)</i>
	An Inquiry into Records Management Practices of Qalakabusha and Westville Correctional Centres. <i>Lungelo Sanele Mbatha</i>	Perceptions on the Migration to Online Registration at the Durban University of Technology, A review of literature <i>Siphiwe Khuzwayo</i>

	<i>(University of Zululand)</i>	<i>(Durban University of Technology)</i>
	Change Management in the Implementation of Electronic Health Records Systems (EHR) at Inkosi Albert Luthuli Hospital, South Africa <i>Mandisa Msomi</i> <i>(University of Zululand)</i>	The Implementation of Resource Description and Access (RDA) in Gauteng Sihle Xaba <i>(University of Zululand)</i>
15:30-16:00	<b>Poster session</b> <b>Chair - Lungile Luthuli-Ngidi</b> <i>(University of Zululand)</i>	
16:00-17:45	<b>Plenary Session 3</b> <b>Chair: Dr Shana Ponelis</b> (University of Wisconsin Milwaukee) <b>Guest Speaker 3: Dr Neil Evans</b> <i>(University of Zululand)</i> Nurturing the Physical, Digital, and Biological Learning Spaces within a Higher Education Ecology: An African LIS Perspective	
	<ol style="list-style-type: none"> <li>Factors Influencing the Adoption of Clinical Informatics Tools among Medical Doctors in South Africa Kehinde Owolabi, Neil Evans and Dennis Ocholla <i>(Federal University of Agriculture Abeokuta, Nigeria &amp; University of Zululand)</i></li> <li>Technostress among Academic Librarians in Nigerian Universities Fauziyah Nihinlola Adenekan <i>(Federal University of Agriculture, Abeokuta, Nigeria)</i></li> <li>Assessing Digital Records Authenticity in a Botswana Government Accounting System: An Archival Diplomats Perspective Olefihle Mosweu <i>(Civil Aviation Authority of Botswana)</i></li> <li>Factors that Determine the Use of Nursing Informatics Technologies among Nurses in Health Care System. An Appraisal of the Present Status and Future Plan of Nursing Informatics Research and Universal Theory of Acceptance and Use Technology Theory (UTAUT). Diodemise E Owasa <i>(University of Zululand)</i></li> <li>Towards a Conceptual Framework for Christian Faith, Virtue and Cyber Ethics Julius Bosire <i>(Technical University of Kenya)</i></li> <li>From AACR2 to RDA: A Reality Check Alfred Odhiambo <i>(Library of congress, Nairobi)</i></li> <li>Indigenous Knowledge in Africa: A Bibliometric Analysis of Publishing Patterns</li> </ol>	

	<div>Jan Resenga Maluleka</div> <div>(University of South Africa)</div> <div>8. Research Data Management Challenges in Kenya: The Case of Private Universities in Nairobi County.</div> <div>Ms. Everlyn M. Anduvare</div> <div>(University of KwaZulu-Natal)</div>	
17:45-18:00	<div>Top Three Outstanding Student Paper Awards and Closing</div> <div>Facilitator: Dr. Shana Ponelis (University of Wisconsin Milwaukee)</div> <div>Assesors:</div> <div><div><div></div><div>Prof.Trywell Kalusopa- University of Namibia</div></div><div><div></div><div>Prof. Bosire Onyancha- University of South Africa</div></div><div><div></div><div>Prof. Tom Kwanya- The Technical University of Kenya</div></div><div><div></div><div>Prof. Marlene Holmner- University of Pretoria</div></div></div>	
End of Day 1		
Conference Day Two, 19 <sup>th</sup> September 2019		
Main Conference		
Venue: Peermont Mercot Hotel, Umfolozi Casino, Empangeni		
Time	Activity	Resource Person(s)
08:00-08:30	Registration and Beverages	Registration: Dr Maggie Masenya Administration Desk: Phindile Mhlongo, Nkosingiphile Zungu & Mpilo Mthembu (University of Zululand)
08:30– 11:05	Plenary Session 4- Opening session Chair: Prof Dennis Ocholla (University of Zululand)	
	Purpose, Scope and Expectations of the Conference	Dr Neil Evans (Head of the Department of Information Studies, University of Zululand)
	Welcome Remarks	Prof. Mogomme Masoga (Dean Faculty of Arts, University of Zululand)
	Opening Remarks	Prof. Mahlomaholo Mahlomaholo (Deputy Vice Chancellor Teaching and Learning, University of Zululand)
	Conference Opening	Prof Xoliswa Mtose (Vice Chancellor, University of Zululand)
	Keynote Address 2: Prof. Trywell Kalusopa (University of Namibia)	4IR- Can African States Deliver a Digital Government for Real Structural Transformation in the Emerging Digital Disruptive World? A Political Economy Perspective

	<b>Guest Speaker 4 : Prof Bosire Onyancha</b> ( <i>University of South Africa</i> )	Research Excellence in the Era of Online Attention: Altmetrics of South Africa’s Highly Cited Papers in Selected Research Fields	
10:45–11:15	Refreshments		
11:15-13:40	<b>Parallel Session 7</b> <b>LIS Education/e-Learning</b> <b>Chair: Dr. Neil Evans-</b> ( <i>University of Zululand</i> )	<b>Parallel Session 8</b> <b>e-Government and e-Governance/Cross-Cutting Themes 1</b> <b>Chair: Prof. Trywell Kalusopa</b> ( <i>University of Namibia</i> )	<b>Parallel Session 9</b> <b>ICT for Development/Informatics</b> <b>Chair: Prof. Kevin Bwalya-</b> ( <i>University of Johannesburg</i> )
	Employment Requirements of LIS Graduates in Public Libraries in KwaZulu-Natal, South Africa  <i>Mpilo Mthembu</i> ( <i>University of Zululand</i> )	Analysis of the e-Voting Systems at Selected South African Universities. <i>Netshakhuma Nkholezeni Sidney &amp; Joseph</i> ( <i>University of Mpumalanga</i> )	Digitalisation and Data Analysis in the Higher Education Sector  <i>Nelliya Titova</i> ( <i>Ventspils University of Applied Science Latvia</i> )
	The Preparedness of Final Year Information Science Students at the University of Zululand to Work in Prison Libraries in the Wake of Fourth Industrial Revolution  <i>Maphoto Asania &amp; Ngulube Patrick</i> ( <i>University of Zululand</i> )	Information Needs for Women Drop Farmers and Handcraft Artisans of the Dlangubo Village in KwaZulu-Natal, South Africa <i>Nomusa, Zimu-Biyela</i> ( <i>University of South Africa</i> )	Bridging the Digital Divide and the Use of Information and Communications Technology (ICT) in Midvaal Public Libraries  <i>Nomvula Thokozeni Gcabashe</i> ( <i>Midvaal Local Municipality</i> )
	Teachers’ Experiences in the Digital World: A Focus on Distance Higher Education in South Africa  <i>Tendai Makwara and Sihle Magagula</i> ( <i>Boston City Campus &amp; Business College</i> )	The Conundrum of Resource Sharing in Zimbabwe: Case of Academic Libraries  <i>Collence Chisita and Fombad, Madelene</i> ( <i>University of South Africa</i> )	Challenges of Adopting Social Media as Tools for Providing Information Services by Library Staff of the Delta State Polytechnic Otefe-Oghara  <i>Eyaufe, Omamomo Obaguono</i> ( <i>Delta State Polytechnic Nigeria</i> )
	Adoption and Usage of Open Educational Resources in Universities: A Framework for Sustainable Open Educational Practice  <i>Abdulumumin Isah &amp; Tella Adeyinka</i>	If it’s not Online, it Doesn’t Exist: Archival Outreach Programmes in Post-Custodial Realities  <i>Tshepho Mosweu</i> ( <i>University of Botswana</i> )	Information and Communication Technologies in Sub-Saharan African Academic Libraries: Initial Results from a Delphi Study  <i>Shana Ponelis</i>

	(University of Ilorin)		(University of Wisconsin Milwaukee, USA)
13:40-14:30	<b>Lunch</b>		
<b>Plenary Session 5</b> <b>Chair : Dr. Rexwhite Tega Enakrire</b> ( University of South Africa)			
14:30-15:00	<b>Guest Speaker 5: Bongsi Ntuli</b> (University of Zululand Library)	<b>Open Access</b>	
15:00-16:20	<b>Parallel Session 10</b> <i>Informetrics, scientometrics and altmetrics/Cross-cutting themes</i> <b>Chair: Prof. Tom Kwanya</b> (Technical University of Kenya)	<b>Parallel Session 11</b> <i>Digital Scholarship/E-Records Management</i> <b>Chair: Prof. Ruth Hoskins</b> (University of KwaZulu Natal)	<b>Parallel Session 12</b> <i>Knowledge Management</i> <b>Chair: Dr. Petros Dlamini</b> (University of Zululand )
	Informetrics Education in Library and Information Science (LIS) Departments in South Africa  <i>Nkosingiphile Mbusozayo Zungu</i> (University of Zululand)	Navigating Digital Libraries in the Fourth Industrial Revolution: Prospects and Challenges  <i>Isah Abdulmumin &amp; Tella, Adeyinka</i> (University of Ilorin, Nigeria)	Knowledge Sharing and Self-Efficacy as Determinants of Job Satisfaction of Library Personnel in Public Universities in South-West, Nigeria  <i>Adesoji Arinola</i> (Ladoke Akintola University of Technology, Nigeria)
	Research Productivity of Gender-Based Violence in Sub-Sahara Africa, 2009-2018  <i>Taiwo Aderonke Idowu</i> (University of Zululand)	The Adoption of Free and Open Source Software for the Management of Electronic Records in Gauteng: A Review of the Literature  <i>M Shekgola</i> (University of South Africa)	Knowledge Management in SMEs in the Context of the Fourth Industrial Revolution  <i>Ronke Adesina</i> (University of Zululand)
	A Framework for Management of e-Records in Support of Odel in University of Eswatini  <i>Vusi Tsabedze</i> (University of South Africa)	An Exploration of Digital Archives Curation to Promote Access and Use at Botswana National Archives & Records Services (BNARS)  <i>Nna Motlhasedi</i> (Institute of Development Management (IDM), Botswana)	Integrating Indigenous Knowledge for Inclusive Library Services in South Africa  <i>Maned Mhlongo</i> (University of South Africa)
	e-Records Security Classification and Access		Knowledge Mobility among Academics in Nigeria: A new Wave in Knowledge Management



	Controls in Moi University, Kenya <i>Carolyne Nyaboke Musembe</i> <i>(University of KwaZulu-Natal)</i>		<i>Rexwhite Tega Enakrire</i> <i>(University of South Africa)</i>
16:20-17:20	<b><i>Plenary Session 6 – Perspectives of Digital Economy</i></b> <b><i>Chair: Prof Dennis Ocholla</i></b> (University of Zululand)		
	<b>Panelists:</b> <ul style="list-style-type: none"><li>• Prof. Trywell Kalusopa- University of Namibia</li><li>• Prof Tom Kwanya – Technical University of Kenya</li><li>• Prof Marlene Holmner- University of Pretoria</li><li>• Prof Mpho Ngoepe – University of South Africa</li><li>• Prof. Johannes Britz – University of Wisconsin Milwaukee</li></ul>		
19:00 – 21:30	<b><i>Gala Dinner at Umfolozi Casino</i></b>		
<b>End of Day 2 Session: Main Conference</b>			

### Conference Day Three, 20 September 2019

#### Main Conference

**Venue: Peermont Mercot Hotel, Umfolozi Casino, Empangeni**

<b>Plenary Session 7</b>		
<b>Chair: Prof. Myrtle Hooper</b> (University of Zululand)		
08:30-09:20	<b>Keynote Address 3: Prof. Johannes Britz</b> (Provost and Vice Chancellor, University of Wisconsin Milwaukee, USA)	Information Ethics to the Ethics of Everything- A Critical Reflection On the Change and Development of Information Ethics
09:20-09:50	<b>Guest Speaker 6: Dr. Shana Ponelis</b> (University of Wisconsin Milwaukee, USA)	Smart Cities: The Fourth Industrial Revolution Comes to Town
09:50-11:00	Exposing Libraries to the Cloud: Lesotho's Thomas Mofolo Academic Library Perspective <i>Tahleho Emmanuel Tseole</i> (University of Lesotho)	
	The Role of the Audio-Braille Library in Contributing towards Academic Performance of Visually Impaired Students at the University of Limpopo  <i>Johanna Boloka</i> (University of Limpopo)	
	Rethinking Cataloguing in the Fourth Industrial Revolution (4IR)	

	Madireng Jane Monyela <i>(University of KwaZulu-Natal)</i>	
11:00 - 11:30	Refreshments & Health Break	
Plenary Session 8  Chair: Prof Antonia Thandi Nzama (University of Zululand)		
11:30-12:20	Keynote Speaker 4: Prof. Mpho Ngoepe (University of South Africa)	Balancing and Reconciling the Conflicting Values of Information Access and Personal Data in the Post-Truth Society
12:20-12:50	Guest Speaker 7: Prof. Velile Jiyane (University of Zululand)	Women Empowerment and the 4IR in KwaZulu-Natal: Applying an Information and Knowledge Perspective
12:50-13:40	Security of Electronic Personal Health Information in a Private Hospital in South Africa  Kabelo Given Chuma <i>(University of South Africa)</i>	
	Availability and Use of Electronic Information Resources (EIRs) by Doctoral Students in Nigerian and South African Universities  Eyaufe, Omamomo Obaguono <i>(Delta State Polytechnic, Nigeria)</i>	
13:40-14:30	Lunch	
Plenary Session 9  Chair: Prof. Madelene Fombad (University of South Africa)		
14:30-14:55	Guest Speaker 8: Prof. Dennis Ocholla (University of Zululand)	Insight into the Response of LIS Education and Research to the Fourth Industrial Revolution.
14:55-16:00	e-Agriculture? Mind the Gap!- An Interpretive Analysis on the Application of e-Agriculture in the African Context  Qwabe QN. <i>(University of the Free State)</i>	
	Provision and Funding of Electronic Information Resources in State University Libraries in North-West Zone Nigeria  Nazir Muhammad <i>(Bayero University Kano, Nigeria)</i>	
	Education and Training in Information Technology for Justice Delivery in the South African Judicial System  Khunjulwa Ntengenyane <i>(University of Fort Hare)</i>	
16:00-16:10	Closing Remarks: Dr Maggie Masenya (University of Zululand)	
End of Day 3 Session: Main Conference		