



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Flexible Futures

HIGHER EDUCATION INNOVATION CONFERENCE

9 & 10 September 2019
Future Africa Centre, University of Pretoria

Theme: Impactful teaching between clicks and bricks

Flexible Futures Provisional Programme 2019

DAY 1: Monday 9 September 2019

8:00	Registration and Tea: 07:30-8:30		
8:30	WELCOME ADDRESS (Chair: G Stols) UP Vice-Chancellor and Principal, Prof Tawana Kupe		
8:45	OPENING ADDRESS (Chair: G Stols) Vice Principal: Academic, Professor Norman Duncan		
9:30	Vendors firehose session (Chair: D Jordaan)		
9:50	REFRESHMENTS		
Monday	Auditorium (10:20-11:00) Chair: D Scheepers	Venue 1 (Microsoft) (10:20-11:00) Chair: H Sehlapelo	Venue 2 (10:20-11:00) Chair: I Lubbe
10:20	Blended learning resources for the South African higher education context website A. Meintjes , D. Scheepers, T. De Wet	The development of a mathematics support course for Music Technology students in the Music Technology Programme at the University of Pretoria M. Warrington , H. Wiggins	Integrated Health Leadership: Lessons from interprofessional healthcare modules F. Mahomed-Asmail , R. Eccles , P. Bresser , H. Sedibe , M. Kekana , H. Lister , K. Mostert, C. Maree, M. Bekker, J. Thambura, S. Mataboge, K. Mashola, M. Nematikanga, M. Yazbek, N. Magida
10:40	Measure your own practice: Hybrid learning self-evaluation application for lecturers D. Scheepers , E. Drysdale, H. Untiedt, D. Kriel	Analysis of two user studies on electronic writing support tools for Sepedi D. Prinsloo , E. Taljard	Rising to the challenge of curriculum transformation: One school's STAR journey to operationalization I. Lubbe , A. Turner, L. Wolvaardt, L. Napoles

Monday	Auditorium (11:05-12:35) Chair: D Jordaan	Venue 1 (11:05-12:35) Chair: A van der Merwe	Venue 2 (11:05-12:35) Chair: S Haupt
11:05 Full papers (25+5)	(11h05) Equalizing the educational playing field with accessible digital content T. Wilkinson	Lecturer resilience: The importance of cultivating it in higher education J. Muller , I. Louw, R. Tekane	Flipping the educational flapjack H. Fisher , I. Louw
11h35 Full papers (25+5)		A framework to consider engineering student success A. van der Merwe , S. Maharaj	Bringing literature to life: An online animation to teach automatic film processing concepts in the second year Radiographic Imaging module H. Essop , M. Kekana
12: 05 Full papers (25+5)		(11h50) Common problems students face at university and how digital technology can be used to overcome them S. Webster	Predicting school performance using a combination of traditional and non-traditional education data from South Africa and Sierra Leone H. Wandera , V. Marivate, M.D. Sengeh
12:35	LUNCH in the Restaurant Vendor stalls and exhibitions		
	Posters attended by designers with handouts		
	Developing a service-learning module for Oral Health: A needs assessment R. Ebrahim , H. Julie	Gamify or Die D. Kriel	EBIT_UG clicks ensure more support at the bricks A.Smart , C. Vinson, R. Naidoo, M. Van Meyeren
	The flipped hybrid test tube: catalysing change in the teaching of Chemical Pathology S. Bhoora , L. Wolvaardt, R. Punchoo	Twelve tips for supervisors to move towards person-centred research supervision in health care sciences P. Bresser , T. Heyns, T. Buys, I. Coetzee, E. Korkie, Z. White, K. Uys, B. Mc Cormack	Flexible real-time interactions in chemistry tutorials P.Makgamatha , C. Mundy
	Addressing misunderstanding in interdisciplinary virtual reality collaboration I. Bosman	Authentic assessment: walking the tightrope between gadgeteering, googleneering and engineering T. Hanekom	Using technology to enhance the teaching and learning of African languages C. Makgabo , M.J. Maroga
Monday	Auditorium (13:30-14:50) Chair: A Botha Assessment & Learning	Venue 1 (13:30-14:50) Chair: E Mostert	Venue 2 (13:30-14:50) Chair: D Kriel
13:30 Short papers (15+5)	The importance of longer questions and the challenges they introduce W. du Plessis , A. Botha	The Grand Cannabis Debate: Stimulating graduate attribute development via asynchronous discussions W. Cordier	Makerspaces role in the innovation landscape: Application of rapid prototyping in higher education S. Kruger
13:50 Short papers (15+5)	A Pre-release assessment format – A students perspective on collaborative learning J. Ker-fox , C. De Klerk	Introduction of communication skills into the clinical training of final year veterinary students using simulated consultations C. May , J.C. Cary	Kinaesthetic memory training: practical training of Civil Engineering laboratory testing in virtual reality K. de Beer , W. Steyn

14:10 Short papers (15+5)	A lecturer's experience of assessment using online group discussion forums S. Ncube , L. Siyotwa	Implementation of online role plays using "TrainTool" to improve communication skills training for veterinary students A. Annandale, C.E. May, Q. Sonntag, N. Nkosi, L. Blasse	Promoting student engagement with spatial technology – a case study E. Pretorius
14:30 Short papers (15+5)	Expanding a user-friendly workplace-based assessment system in a busy dental hospital. K. Merbold , C. Postma	The journey of a thousand hills - The implementation of a hybrid active and collaborative learning approach for large student groups E. Verster, J. Bezuidenhout , M. Pollock	Apps for language teaching through online collaboration L. de Jager , R. Callaghan, A. Engelbrecht, C. Makgabo, J. Joubert
Delegates proceed to the Auditorium (5 minutes)			
15:10	KEYNOTE PLENARY: Heather McGowan (USA) Webinar The Future of Work is Learning (CHAIR: A Naidoo) Session sponsored by Blackboard Eiffelcorp		
16:00	REFRESHMENTS		
Monday	Auditorium (16:30-17:30) Chair: F Mathibedi	Venue 1 (16:30-17:30) Chair: D Scheepers	Venue 2 (16:30-17:30) Chair: A Smart
16:30 Short papers (15+5)	Integrated gamification as a multilayered approach to learning H. Pearson , D. Moodley	Using Asana as a collaboration tool to support and assess ISD teamwork L. Weilbach , M.J. Hattingh, M. De Villiers, E. Black, K. Pillay	Driving the fourth industrial revolution from the heart of Africa T. Hanekom , W. van Jaarsveld
16:50 Short papers (15+5)	Brain and gamification: an in-class concurrent observation P. Mabeta , P. Bipath, J.M. Louw, J.F.M Hugo	Using technology as scaffolding for a Mind, Brain and Education aligned learning intervention: An MGC110 case study. N. Matthee , L. Smith, A. van der Merwe, J. Liebenberg	
17:10 Short papers (15+5)	Facilitating intrinsic motivation in higher education through gameful design A. Smith , K. de Beer, T.J.D. Bothma	Interactive infographic: Designing using the correct software A. Steyn	
18:00	Networking Cocktail function @ Future Africa Centre		

Day 2: Tuesday 10 September 2019

9:00	KEYNOTE PLENARY: Barry Vorster (PWC) Future worlds of Work (CHAIR: D Jordaan)		
Tuesday	Auditorium (10:00-11:00) Chair: J Maroga	Venue 1 (10:00-11:00) Chair: J Lemmens	Venue 2 (10:00-11:00) Chair: D Kriel
10:00 Short papers (15+5)	The 4th industrial revolution and the skills shift for students to be workplace ready in Industry 4.0 S. Alfonso	Interdisciplinary research collaboration as a basis for project-based learning and near-peer mentoring across psychology and urban planning: Achievements and lessons C. Wagner, J.L. du Toit	Hands-On radar and EW Training W. du Plessis
10:20 Short papers (15+5)	From print book, to e-book, to adaptive book: Harnessing the power of Personalised learning M. Meiring	Incorporating inquiry-based learning and technology in undergraduate Agricultural education M. Oberholster, M. van der Laan, I. Louw	
10:40 Short papers (15+5)	The Digital Opportunity – digital resources and the impact on student satisfaction and outcomes A. Duijser	Global classroom: Four universities, four continents, one meeting in real time H.Thuynsma, R.D. Henwood	
11:00	REFRESHMENTS		
Tuesday	Auditorium (11:30-12:30) Chair: N Pillay	Venue 1 (11:30-12:30) Chair: M Thukane	Venue 2 (11:30-12:30) Chair: M Pienaar
11:30 Full papers (25+5)	Blended learning techniques to facilitate interactive learning: Lessons from a collaborative graduate program in Africa S.Karuaihe, C. Nhemachena	Fostering self-directed learning in undergraduate science students through innovative technology-enhanced projects I. Louw, A. Shrader, M. van der Laan, M. Oberholster	To develop digital tuition material for piano methodology students, teachers and beginner piano students. H. Rhodie
12:00 Full papers (25+5)	Artificial Intelligence in Education: Preparing for the fourth industrial revolution N. Pillay	An investigation into a student-centered approach in teaching 1st year Hebrew C. Sibanyoni, G. Pretorius, A.Smart	Academic development: An effective teaching strategy for Vet Ed @ UP E. Mostert, M. Pienaar
12:30	LUNCH IN THE RESTAURANT Vendor stalls and exhibitions		

POSTERS attended by designers with handouts

	<p>Developing a service-learning module for Oral Health: A needs assessment R. Ebrahim, H. Julie</p> <p>The flipped hybrid test tube: catalysing change in the teaching of Chemical Pathology S. Bhoora, L. Wolvaardt, R. Punchoo</p> <p>Addressing misunderstanding in interdisciplinary virtual reality collaboration I. Bosman</p>	<p>Gamify or Die D. Kriel</p> <p>Twelve tips for supervisors to move towards person-centred research supervision in health care sciences P. Bresser, T. Heyns, T. Buys, I. Coetzee, E. Korkie, Z. White, K. Uys, B. Mc Cormack</p> <p>Authentic assessment: walking the tightrope between gadgeteering, googleneering and engineering T. Hanekom</p>	<p>EBIT_UG clicks ensure more support at the bricks A. Smart, C. Vinson, R. Naidoo, M. Van Meyeren</p> <p>Flexible real-time interactions in chemistry tutorials P.Makgamatha, C. Mundy</p> <p>Using technology to enhance the teaching and learning of African languages C. Makgabo, M.J. Maroga</p>
Tuesday	Auditorium (13:30-14:30) Chair: I Louw	Venue 1 (13:30-14:30) Chair: C Gossmann	Venue 2 (13:30-14:30): E Van Amerom
13:30 Short papers (15+5)	Flexible Toolbox: Pushing the bounds of online teaching I. Louw, C. Oosthuizen, R. Biggs, M. Thukane, K. Mahesh, E. Pretorius, A. Shrader	Four Pillars of clinical supervision: an insider's perspective C. Nel, F.E. Korkie, J.C. Lubbe	Zoosh up your class participation with Zeetings! R. Kunz, M. Kirstein
13:50 Short papers (15+5)		Plastination for long-term preservation of animal tissues: safer and more convenient animal anatomy teaching A. du Preez, A Maqhashu, E van Marle-Köster	Towards a knowledge conversion platform to support Business Analysis (BA) industry ready graduates M. Hattingh, E. Weilbach, M. de Villiers, K. Pillay
14:10 Short papers (15+5)		Improving student success through module evaluations. J. Lemmens	The purpose and power of predictive learning analytics D. Jordaan
14:30	Closing ceremony (15 minutes)		
	REFRESHMENTS AND DEPARTURE		