

4th Design, Development& Research Conference: Student Symposium 8 September, Cape Town, South Africa

design-development-research.co.za

District Six Museum Homecoming Centre

Tuesday 9 September 2014

7:30-	Welcome desk			
8:30	Registration			
8:30-	epering. The sentences of one of the resulty information of best on the			
9:30	Keynote: Prof Ezio Manzini, Development as cosmopolitan localism. Design research for resilient and learning systems.			
9:30-	Session 1A	9:30-	Session 1B	
11:00	Room: Downstairs	11:00	Room: Upstairs	
	Chair: Dr E Pineteh		Chair: Dr A de la Harpe	
	The role of design courses in engineering programmes: The case		Into the grey: towards successful implementation and effective	
	of the University of Botswana. S.J. Motshubi, R. Moalosi (R)	Design to empower	evaluation of "Design for Development" projects. B. Baldassarre, N.	
			Miccichè (R)	
Art	Cognitive arousal as inspiration for design thinking: sustaining			
a	eco-awareness and an adoption of a deep approach to learning		Youth empowering the youth through participatory service design. <i>T.</i>	
ind de	through found objects. <i>P. George, M.K. M'Rithaa, G. D. Hattingh</i> (R)		Ongwere, H. Iipito, S. Chivuno-Kuria, H. Winschiers-Theophilus (R)	
design	(r)		Towards the comparison of the functional creativity expectations of	
n e	Visual art and Design in B Ed Art Education. G. Westraadt (PK)		various sectors in the IT industry with the functional creativity of final	
duc			year projects of Information Systems students. A. Kruger, M.	
education	Autobiographical learning: a digital perspective. C. Livingston		Matthee, M. Turpin(R)	
on	(PK)			
			An Empirical Analysis for the Mobile Learning Information Systems	
	Promoting independent learning through the design of a		User Evaluation. A. Bere (R)	
	scaffolded reading strategy progamme. S Cox (PK)			



11:00-	Tea break & Networking			
11:30				
11:30-	Session 2A		Session 2B	
13:00	Room: Downstairs		Room: Upstairs	
	Chair: Dr E Pepler		Chair:	
	Constructing' a bridge between less and more. G. Westraadt (R)	Nand	Invited Speaker: Prof Norman Fitz-Coy, SARChI Research Chair at CPUT (R)	
Art and desig	Engaging in Art Appreciation: a dialogue autobiographical perspective. <i>C. Livingston (R)</i> Instructional strategies for effective teaching and learning of creative arts: the dilemma of generalist teachers in Ghana. <i>N.A.</i>	Nanosatellite appl sustainable socia	Electrical power subsystem design proposed for the ZACUBE-2 3U CubeSat. nanosatellite mission. <i>M. Maleka, S.W.J. Cupido, D.F. Visser (R)</i>	
n education	Opoku-Asare (R)	applications social develo	An evaluation of low noise amplifier performance at L-band for	
	Phone to Photoshop: Mobile workarounds in young people's		Cubesat applications. E.W. Louw, C.V. Whaits (R)	
	visual self-presentation strategies. <i>T. Noakes, M. Walton, A. Venter, J.C. Cronje (R)</i>	towards pment	Making nano-satellites more sustainable: Investigation into an optimal communications protocol using a novel simulation tool. <i>J. le</i>	
10.00			Roux, A. Barnard, R. Wolhuter (R)	
13:00-		Lunch b	reak	
14:00				



14:00- 14:20	Keynote: Aslam Levy, Social Media, Design and Smart developme	nt in the I	Public service.
14:20- 15:30 Design to empower	Session 3A Room: Downstairs Chair: Dr C Livingstone Understanding group work in Higher Education: Establishing a culture of deliberation amongst design students. V. du Preez, V. Barnes, R. Futerman (R) Development of products for persons with disabilities in Kenya. L. Osanjo(R) Internet of Hope: Perceptions of Internet in marginalized communities of the Cape of Good Hope. S.Pather, L. Bagui (S)	Nanosatellite applications sustainable social-economic de	Session 3B Room: Upstairs Chair: Invited Speaker: Prof Mellet Moll, Department of Mechanical Engineering (R) Results from the QB50 precursor launch campaign. J. Erasmus (R) The design of a camera system for an Earth observation CubeSat mission. C.R. Jooste, J.R. Quibell, D.F. Visser (R) Nano-satellite in-situ monitoring: An adaptable approach to communication schemes through SDR-based technology. D.J. Villiers
15:30-	The impact of the Pearson MyFoundationslab computer programme on English reading and writing competence of 1st year Education students. <i>H. Dippenaar, M. Matthews (PK)</i> Tea b	towards velopment	D.F. Visser
16:00			



design, development & research				
16:00-	Session 4A:	16:00-	Session 4B:	
17:00	Room: Downstairs	17:00	Room: Upstairs	
	Chair: Ms J. Kloppers		Chair:	
Workshop	Advanced Learning Design for Rhizonomic Learning This workshop considers the emerging field of "Learning Design" (As opposed to "Instructional Design") as an approach to solving problems related to designing an optimal blend. Delegates will be expected to do some background learning as homework in preparation for this session, and during the session will be expected to participate using mobile learning devices.	Nanosatellite applications towards sustainable social-economic development	The performance evaluation of distributed inter-satellite communication protocols for cube satellite systems. <i>R. Radhakrishnan, Q. Zeng, W. Edmonson</i>	
18:30-	Conference Function			
21:00	Но	Host: Prof A Staak		
	Deputy Vice-Chancellor: Teaching and Le	earning at	t the Cape Peninsula University of Technology	
	Guest of Honour: Solly Ariefdien			



Wednesday 10 September 2014

7:30-	Welcome desk		
8:30	Registration		
8:30- 9:30	Day two Opening: Keynote: Kirsten Wilkins, Tactical Urbanism.	0.20	Courter ED
9:30- 11:00	Session 5A Room: Downstairs Chair: Dr A de la Harpe	9:30- 11:00	Session 5B Room: Upstairs Chair: Dr E Ruhode
Design for social innovation, empowerment and sustainability	Application of Design Thinking In the Development of an Information System through a Scrum Methodology. <i>M.P. Makutsoane, R. Naidoo (R)</i> Design for social innovation in favela in Rio de Janerio: from Occupy Wall Street to "Occupy Alem <o". <i="">C. Cipolla, R. Bartholo, R.C.M. Afonso (R) Context sensitivity and process improvement as influencers to EMR adoption by clinicians: Implementer perspectives. <i>G Khan, L Hanmer, M Korpela (R)</i> Towards a Comfortable, Energy-Efficient Office using a Publish-Subscribe Pattern in an Internet of Things Environment. <i>L. Butgereit, A. Smith, T. Thomson (R)</i></o".>	Education and training	A rhizoanalysis of learning connections among higher education learners. <i>S. Kafui Aheto, J.C. Cronje (R)</i> Multimedia learning and nursing informatics education in South Africa. <i>R.D. Debrah, R. de la Harpe, S. Bhebe, D.M.K. Mugendi (R)</i> Merging principles of Design Thinking and Media Literacy on route to an innovative approach to the pedagogy of critical thinking. <i>E. Pepler (R)</i> Sustaining cultural heritage through traditional game design. <i>O. Marope, R. Moalosi (R)</i>
11:00- 11:30	Tea br	eak & N	letworking



11:30-	Session 6A		Session 6B	
13:00	Room: Downstairs		Room:Upstairs	
	Chair: Prof R de la Harpe		Chair: Dr E Ruhode	
Design	Staff turnover within the micro retail sector. S.C.Warden, X.Han, A.Nzawou (R)	E-government for development	Technology affordances and diffusion for Mobile Connectivity and Applications in Zimbabwe. <i>G. Kabanda</i> (R)	
for ern	Empowering and rewarding innovation in the manufacturing industry: Managers' perspectives. M. Jakovljevic, I. Rada• Á, M.J. Bushney, D. Îie• in-• Êain (R)		E-skills for successful m-government in the Western Cape. <i>Z. Mitrovic, K. Thompson, V. Klaas, F. Mbhele (R)</i>	
social innovation, nent and	Finding errors causation in design by studying obsolete engineering drawings. <i>Z. Tjiparuro (R)</i>		Information Sharing Impediments In Government Departments. <i>S. Hamunyela (R)</i> Readiness Assessment of Cloud-Computing Adoption within a	
	A Framework for the Development of Participatory Assessment in Project-Based Learning (PAPBLE). E. F. Eshun (R)		Provincial Government of South Africa (Pieter van Brakel Memorial Paper). <i>L. Xi, Z. Mitrovic (R)</i>	
13:00-	Lunch break			
14:00	Cape Spe	Cape Speed- Formula Student		
	Interactive presentation 13:20-14:00			



14:00-	Session 7A		Session 7B	
15:30	Room:Downstairs		Room:Upstairs	
	Chair: Ms G Khan		Chair: Dr R de la Harpe	
Design for social innovation, and sustainabil	Improving the utilisation of smart technology in South African homes (Pieter van Brakel Memorial Paper). <i>L. Cilliers, S. Gaba (R)</i> Personal Health Records: Design considerations for the South African context (Pieter van Brakel Memorial Paper). <i>A. Mxoli, N. Mostert-Phipps (R)</i> Is UCD approach applied by industry within Botswana? Case	Design experiences	Design led PSS adoption as a competitive approach in non-design led SMEs in Botswana. <i>Y. Rapitsenyane, T. Bhamra, R. Trimingham (R)</i> Participatory Design without borders. <i>Chisin, R. Debrah, M. M'Rithaa, J. Van Niekerk (P)</i> Design approach towards health education and promotion. <i>R. Debrah, S. Bhebe, R. de la Harpe (P)</i>	
	Studies on application of participatory approach to NPD. <i>M.G. Ollyn, R.J. Bibb, G.E. Torrens (R)</i>		The design, development and research of a Makerspace. R.M. Branch (P) The effective implementation of renewable energy policies in Turkey. N.K.	
empowerment ty	A symbiotic relationship between form and function (user value). S. Patrick, M. M'Rithaa (R)		Ata (P) Scanning the State of Engineering Design Practice in Africa and aligning it to the state of the art in the field. H. Michael, M. Muchie (R)	
15:30-	Con	ference	Closing	
16:00				