



## Research Outputs 2015

### Journal Articles

**Mudzana, T., Kotzé, J.E.** (2015). Some determinants of business intelligence adoption using the technology-organisation-environment framework: a developing country perspective. *Journal for New Generation Sciences*, 13(1), pp. 107 – 119.

**Nel, G. Nel. E., Cronjé, J.** (2015). Attributes contributing to students' use of quality software development practices. *African Journal of Information & Communication*, 15, pp. 38 – 50.

**Rambe, P., Nel, E.** (2015). Technological utopia, dystopia and ambivalence: Teaching with social media at a South African university. *British Journal of Educational Technology*, 46(3), pp. 629 – 648.

**Van der Linde, I.D., Kotzé, J.E.,** (2015). Uitdagings vir die hantering van groot datastelle. *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tegnologie*, 34(1). 1335-1335

**Verkijika, S.F., De Wet, L.** (2015). Using a brain-computer interface (BCI) in reducing Math anxiety: Evidence from South Africa. *Computers & Education*, 81, pp. 113 – 122.

### Conference contributions

**Dollman, G.J., De Wet, L., Beelders, T.R.** (2015). Commercial brain computer interface: Potential as a Natural User Interface. *Proceedings of the 2015 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists*, Stellenbosch, South Africa, 28 September 2015 – 30 September 2015.

Dürr, J.A. Van Zyl, H.J., Strydom, D.B., **Beelders, T.R., Wium, D.J.** (2015). Branding and packaging of South African white maize meal, an eye-tracking case study. *International Farm Management 20<sup>th</sup> Congress: Healthy Agriculture for a Healthy World*, Quebec City, Canada, 12 July 2015 – 17 July 2015.

**Nel, G. Nel. E. (2015).** Improving program quality: The role of process measurement data. *Proceedings of the 44<sup>th</sup> Annual South African Computer Lecturers' Association (SACLA) 2015*, Johannesburg, South Africa, 1 July 2015 – 3 July 2015.

**Nkalai, T.S., De Wet, L., Schall, R.** (2015). Comparing the sensor glove and questionnaire as measures of computer anxiety. *Proceedings of the 2<sup>nd</sup> International Conference on Physiological Computing Systems*, Angers, France, 11 Feb 2015 – 13 Feb 2015.

**Venter, M.I., De Wet, L., Van Der Walt, A., Swart, A.** (2015). An investigation of the use of mobile mathematics applications: An African perspective. *Frontiers in Education 2015, Launching a new Vision in Engineering Education*, El Paso, Texas, USA, 21 October 2015 – 24 October 2015.

**Wium, D.J., Van Soelen, B.** (2015). AUTOCAL. A software application for the calibration of stellar magnitudes. Proceedings of the SAIP2014. The 59<sup>th</sup> Annual Conference of the South African Institute of Physics. Johannesburg, South Africa. 7-11 July. pp. 404-409.

### **Papers and Posters**

**Dollman G.J., Beelders, T.R., Le Roux, A.** (2015). Visualizing wildlife movement and their environment using an interactive surface visualization. SAICSIT 2015 M & D Symposium, Stellenbosch, South Africa, 28 Sep 2015.

**Geyer, J.M.** (2015). Die gebruik van oognavolging ter verbetering van kliniese waarnemings en interpretasie in arbeidsterapie. Studentesimposium in die Natuurwetenskappe 2015, Bloemfontein, Suid-Afrika, 29 - 30 Oktober 2015.

**Hoffman, D.J.M.** (2015). Die gebruik van bliknavolging om te bepaal of ervaring in kartografie en kaartontwerp 'n invloed het op die spoed, benadering en korrektheid van kaartinterpretasie. Studentesimposium in die Natuurwetenskappe 2015, Bloemfontein, Suid-Afrika, 29 Oktober 2015.

**Kotzé, J.E.** (2015). Proposing a descriptive theory to support South Africa's e-Government efforts. SAICSIT 2015 M & D Symposium, 28 September 2015.

**Maass, G.J.** (2015). 'n Program wat gebruikers se reaksie op advertensies visualiseer deur gebruik te maak van 'n oogvolgapparaat en die Emotiv Epoc. Studentesimposium in die natuurwetenskappe 2015, Bloemfontein, 29 Oktober 2015.

**Van Biljon, A. Kotzé, J.E.** (2015). How big is big data and where will you find it? EngineerIT, May 2015, pp. 56 - 57.

**Van Der Linde, A.M., Kotzé, J.E., Geyer, A.C.** (2015). An artefact to improve the existing agriculture economic model for South Africa. SAICSIT M & D Symposium, Stellenbosch, Suid-Afrika, 28 September 2015.

**Van Der Linde, I.D.** (2015) Vergelyking van sentimentanalise-tegnieke vir 'n sosiale media grootdatastelsel. Studentesimposium in die Natuurwetenskappe 2015, Bloemfontein, Suid-Afrika, 29 Oktober 2015.

**Van Der Walt, L.** (2015). Mobiele ondersteuningstelsel. Studentesimposium in die Natuurwetenskappe 2015, Bloemfontein, Suid-Afrika, 29 Oktober 2015.

**Venter, M.I., Van Der Walt, A., De Wet, L.** (2015). The implementation of inked courses for graduate students at CUT: A pilot study. SATN Annual Conference, Umhlali, South Africa, 14 October 2015.