

Experience

Professor, Computer Science, University of the Western Cape, Bellville (2016-present)

Research field: Computer Science Education, HCI and ICT4D

Supervision: 5 PhD's completed, 2 current, 10 MSc's completed, 5 current, 44 Honours completed

Funding: NRF (2000 - 2005), NRF (2016-2021), UWC (1995-present), Telkom/Aria Technologies Africa Centre of Excellence, EU Erasmus + (2016-2019).

External examination: 9 PhD's , 1 PhD defence in Joensuu, Finland, 40 MSc's and 12 Masters defences for Oslo University in Maputo, Mozambique and Stone Town, Zanzibar.

Reviewer: For accredited peer-reviewed journals: Journal of Engineering, Design and Technology, Computers & Education, South African Journal of Higher Education, South African Journal of Education etc.; for conferences: SATNAC, SACLA, SAICSIT, AfriCom, etc.; for NRF research proposals; NRF bursary applications; For the Council on Higher Education: evaluation of courses and degrees

Administration: Computer Science Chairperson (2005 – April 2017), Chair of the management committee of the Telkom/Cisco/Aria Technologies Africa Centre of Excellence, Faculty Research Committee, University of the Western Cape Senate.

Community service: Trustee of the University Pension Fund, Auditor for the Council on Higher Education

Education

PhD, University of Pretoria 1998 - 2000

MSc, University of South Africa, BSc and HED, University of Stellenbosch

Recent publications

Journals

- 2017 Bankole, O & Venter, iM. Technology affordance in student collaborative environments, *South African Computer Journal* (Accepted)
- 2017 Bytheway, A, Venter, IM & Whyte, G. Stakeholder perceptions of information management in South African higher education, *South African Computer Journal* (Accepted)
- 2016 Al Lily, A, Foland, J, Stoloff, D, Gogus, A, Erguvan, I, Awshar, M, Tondeur, J, Hammond, M, Venter, IM, etc. Academic Domains as Political Battlegrounds: A Global Enquiry by 101 Academics in the Fields of Education and Technology, *Information Development Journal*, Sage DOI: 10.1177/0266666916646415
<http://idv.sagepub.com/content/early/2016/05/03/0266666916646415.full.pdf?ikey=QtsF7QaLOhMzxr&keytype=finite> (Pages 1-19)
- 2016 Blignaut, R, Venter, IM, & Renaud, KV. Granny gets smarter but junior hardly notices, *The Journal of Community Informatics*, Vol 12, No 3 (December 1 2016) ISSN: 1712-4441
- 2015 Sanga, C & Venter IM. Algorithm for the evaluation of Free and Open Source Software when the Evaluator is "Uncertain", *International Journal of Management Science and Information Technology (IJMSIT)*; Vol 3 Issue 17 (ISBN: ISSN 1923-0265) (Pages 35-55)
- 2014 Azeez, NA, Fasina, EP, Ayangbekun, OJ, Ojiako, CP & Venter, IM. Protecting Africa's citizenry from cyber-terrorism through joint awareness campaign programmes (JACAP), *Computing, Information Systems, Development Informatics & Allied Research Journal* Volume 5, No. 3 September 2014, pp.1-12 (ISSN 2167-1710)
- 2014 Bytheway, A, & Venter, IM, Strategies for information management in education: Some international experience. *SA Journal of Information Management*; Vol 16, No 1 (2014), 11 pages. doi: 10.4102/sajim.v16i1.596 (ISSN 1560683x)
- 2014 Venter IM, Blignaut, RJ, & Renaud, K. Uniformity in the midst of diversity. *Journal of Engineering, Design and Technology*, Vol 12, No 4 (6 October 2014) ISSN: 1726-0531 <http://dx.doi.org/10.1108/JEDT-08-2013-0060> (Pages 550-562)
- 2014 Bytheway, A, & Venter, IM, Strategies for information management in education: Some international experience. *SA Journal of Information Management*; Vol 16, No 1 (2014), 11 pages. doi: 10.4102/sajim.v16i1.596 (ISSN 1560683x)

Peer reviewed conferences

- 2017 Norman, M & Venter, IM. Software Development in the Western Cape – the role of higher education *South African Institute for Computer Scientists and Information Technologists Conference, September 22-24, 2017*, Bloemfontein, South Africa.(ISBN: 978-1-4503-5250-5) (Paper 32)
- 2017 Deane, W, Ghaziasgar, M, Venter, IM and Dodds, R. *South African Institute for Computer Scientists and Information Technologists Conference, September 22-24, 2017*, Bloemfontein, South Africa. (ISBN: 978-1-4503-5250-5) (Paper 116)
- 2017 Alaiat, H & Venter, IM. Graduate attributes for Computer Science in Libya, *Proceedings of the Southern African Lecturer's Association*, September 2017, Magaliesberg, South Africa (Page 94-100)
- 2017 Adams, S, Tucker, WD & Venter, IM. Generalisation of tooltips: an assistive extension, *Proceedings of the 2nd International Symposium on Emerging Technologies for Education (SETE 2017)*, September 2017, Cape Town, (Accepted).
- 2017 Bytheway, A, Venter, IM & Whyte, G. Understanding stakeholder expectations in higher education, *International Conference on Information Resources Management*, May 2017, Santiago. Chile (Paper 44).
- 2016 Jacobs, K, Ghaziasgar, M, Venter, IM and Dodds, R. Hand Gesture Recognition of Hand Shapes in Varied Orientations using deep learning. *South African Institute for Computer Scientists and Information Technologists Conference, SAICSIT 2016*, September 26-28, 2016, Johannesburg, South Africa (ISBN 978-1-4503-4805) DOI: <http://dx.doi.org/10.1145/2987491.2987524>
- 2016 Norman, M & Venter, IM. Factors for developing a software industry. *South African Institute for Computer Scientists and Information Technologists Conference, SAICSIT2016*, September 26-28, 2016, Johannesburg, South Africa (ISBN 978-1-4503-4805) DOI: <http://dx.doi.org/10.1145/2987491.2987507>
- 2016 Jacobs, K, Ghaziasgar, M, Venter, IM & Dodds, R. South African Sign Language Hand Shape and Orientation Recognition Using Deep Learning. *Proceedings of the Southern African Telecommunication Networks and Applications Conference (SATNAC 2016)*, 4–7 September, George (Paper 64, pages 320-325), ISBN 978-0-620-72418-0
- 2016 Renaud, K, Blignaut, RJ & Venter, IM. Smartphone Owners Need Security Advice. How Can We Ensure They Get It? *International Conference on Information Resources Management*, May 2016, Cape Town. South Africa (ISBN: 978-0-473-35594-4) Paper 60.
- 2015 Venter, IM, Blignaut RJ & Renaud, KV. Blinkered views of out-group mobile phone usage: Moving towards less stereotyping of “others”. *South African Institute for Computer Scientists and Information Technologists Conference (SAICSIT 2015)*, 28-30 September 2015, Stellenbosch, South Africa (ISBN: 978-1-4503-3683-3) DOI: <http://dx.doi.org/10.1145/2815782.2815804> (Paper 37).
- 2015 Venter, IM, De la Harpe, R, Ponelis, SR & Renaud, K. Deploying Design Science Research in Graduate Computing Studies in South Africa. *Americas Conference on Information Systems (AMCIS 2105)* August 13-15, 2015, Fajardo, Puerto Rico, ISBN: 978-0-9966831-0-4
- 2015 Deane, W, Venter IM, Ghaziasgar, M, & Dodds, R. Visual Sound Recognition Using Local Binary Patterns. *Proceedings of the Southern African Telecommunication Networks and Applications Conference SATNAC 2015* (Accepted for publication)