

Johannes Frederick van Niekerk – Abbreviated Biographical Curriculum Vitae

Johan van Niekerk graduated from the University of Port Elizabeth in 1996 with a Bachelor in Science degree majoring in Computer Science and Mathematical Statistics. He started working for the Port Elizabeth Technikon in 1996 as a Programmer, and later as a Business Analyst, in the Management Information Services department. He was the 7th person ever in South Africa to receive gold level certification as a Business Intelligence Lifecycle Specialist from Cognos.

During this time, he studied part -time towards a Bachelor in Technology: Information Technology degree, and graduated in 1999 from the then Port Elizabeth Technikon.

In 2000 he was appointed in the Faculty of Computer Studies as a Lecturer. He completed a Master's in Technology: Information Technology degree in 2005 and was promoted to Senior Lecturer in 2010.

In 2011 he graduated with the degree Philosophiae Doctor from the Nelson Mandela Metropolitan University in the field of Information Security. He was promoted to Associate Professor in 2013, and to full Professor in 2016.

He completed a second Master's degree in Education, specialising in Online and Blended-learning, at the NMMU and graduated in 2016.

Johan is an **NRF rated researcher** specialising in the fields of Information and Cyber Security, as well as Blended and Online Learning. He holds a **C2 rating** from the NRF. He has published a total of 68 peer reviewed papers and has registered one patent. These include peer-reviewed journals and subject specific conferences across the world. His work has appeared in Q1 journals in both the field of Information and Cyber Security and the field of Education. He has an H-index of 11 and his work has thus far been cited more than 600 times.

Johan is a **Professional member** of the Institute of IT Professionals of South Africa and currently serves as the IITPSA's **official South African representative to Technical Committee 3 (TC3)** – Information Technology and Education, of the **International Federation for Information Processing (IFIP)**.

He also serves on the Global Advisory Board for the **Joint Task Force for Cybersecurity Education (JTF[1])** – which is sponsored by the ACM, IEEE-CS, AIS SIGSEC, and IFIP. He is a **SETA accredited assessor** and an **IBM certified Application Security Specialist**.

Johan has a keen interest in Computer Game Design and has facilitated a Special Interest Group for Game Development amongst student programmers for the past decade. Students under his mentorship has won numerous awards in the Game Design category of Microsoft's prestigious Imaginecup contest. These include 9 National 1st place wins and placing amongst the **Top 9 projects in the world** twice, during both 2015 and 2016. This contest is entered by more than 50 000 student groups per year.