



Brett van Niekerk

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Information Systems & Technology

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South Africa

My field of study is Information Operations and Information Warfare, particularly with regards to developing national capability in the field. I graduated with my PhD in 2012 from UKZN, in the same broad area, but focusing on cyber defence and the protection of national critical infrastructure. Currently I am serving as secretary to the International Federation of Information Processing working group 9.10 on ICT Uses in Peace and War, and have been a South African contributing member for ISO/IEC information security standards.

CURRENT RESEARCH

Topic

An Information Operations Taxonomy and Curriculum for South Africa

Methodology

- Hermeneutics
 - Document analysis
 - Design science
- The analysis of the documents and requirements allows for commonalities and best practices to be identified, which will allow for the design of taxonomies, systems, and curricula.

Application

Government implementation of information operations techniques and processes. Educational implementation of curriculum to develop human capacity in the field for South Africa.

UKZN main Publications

1. Brett van Niekerk and Manoj Maharaj (2013) "Education and Training for Cybersecurity," *Annual UTLO Teaching and Learning Conference*, 25-27 September, Durban.
2. Brett van Niekerk and Christo Cloete (2013) "An EWIS for Battlefield Spectrum Management," *Association of Old Crows Aardvark Roost International Conference*, 4-5 September, Pretoria.
3. Brett van Niekerk and Manoj Maharaj (2013) "Social Media and Information Conflict," *International Journal of Communication*, vol. 7, pp. 1162-1184.
4. Brett van Niekerk and Manoj Maharaj, (2012) "Mobile Devices and the Military: Significant Threat or Useful Tool?" *Journal of Information Warfare*, vol. 11, no. 2, pp. 1-11.
5. Brett van Niekerk, Mogie Subban, and Joey Jansen van Vuuren, (2012) "Required Reformations of South African Cyber Security Policies for Effective Public Sector Reform" *ASSADPAM Conference*, 31 October – 1 November, Westville.
6. Brett van Niekerk and Manoj Maharaj, (2012) "A South African Perspective of Information Warfare and Cyber Warfare," in: Ventre, D. (ed.) (2012) *Cyber Conflict: Competing National Perspectives*, ISTE Wiley: London, pp. 279-296.

Past Researches

Future Interests

1. Academia, consulting, research, participation with international organisations

Extra Interests

Sports