

DEPARTMENT OF

Information Systems

Introduction

The Department of Information System's research focus areas include: Cloud Computing, Human-Computer Interactions, Health Informatics, Business Analysis, Social Networks, Virtual Partnerships, IT in Education, ICT for Development, Service Management, and IT Governance. These activities produced five (5) journal articles and eleven (11) conference papers in 2013.

Staff and postgraduate students presented research at the following local and international conferences:

- Health Informatics South Africa (HISA) 2013 Conference.
- 7th International Development Informatics Association Conference.
- 6th International Conference on Information and Communication Technologies and Development.
- Online and eLearning Conference.
- 8th eLearning Africa Conference.
- American Accounting Association Annual Conference.
- 5th Annual General Business Conference.
- Southwest Decision Sciences and Information Conference.
- 1st International Conference of the African Virtual University.
- UNISA Cambridge Open Distance and eLearning Conference.
- 2nd eLearning Update Conference.

Postgraduates/Graduations

A total of forty-one (41) postgraduate students, comprised of thirty-two (32) Honours students and nine (9) Masters students, engaged in a variety of research projects during 2013. At the graduation ceremony in April 2013, we celebrated the graduation of one (1) PhD student, two (2) Masters students and thirty-two (32) Honours students.

Distinguished Visitors/Overseas Visits

Professor Anthony Maeder (University of Western Sydney) spent valuable time in the department assisting with the development of a new honours module in Health Informatics to be offered for the first time in 2014. This module will further support the research efforts in the field of eHealth.

In addition, **Ms Brenda Mallinson** (Research Associate) continues to contribute to the research efforts of the department and makes a valuable contribution in the area of eLearning. Similarly, **Professor Sue Conger** (Visiting Professor,

University of Dallas) spent valuable time in the Department working and collaborating with staff and students on various research projects. Professor Malcolm Sainsbury (Visiting Professor) spent time in the department teaching in the area of Information Systems Management.

Significant Research Aligned Events

The Departments of Information Systems and Computer Science again hosted the annual Eastern Cape ICT Research Rumble at the Gavin Relly PostGrad Village, Rhodes University. The event was a collaborative effort between the Department of Computer Science and Information Systems at Rhodes University, Nelson Mandela Metropolitan University (NMMU), Walter Sisulu University (WSU), and the University of Fort Hare (UFH). Again, the conference was a great success and promises to foster greater research collaboration between these four Universities.



Staff and Senior Postgrads outside the state-of-art Hamilton Building which houses the Department of Information Systems

Photo: Paul Greenway

The department continues to have support of industry partners Singular Systems, Business Systems Group (BSG) and Open Box who all contribute towards our Research and Development Fund. This fund supports research efforts and staff development within the department.

Professor Greg Foster

Head of Department

DEPARTMENT OF INFORMATION SYSTEMS PUBLICATIONS

Concerts/Exhibitions/Performances/Events/ Workshops

Khene, C.J.

Khene, C.J. Organising committee member. A storybook for ICTD Ethics. *Sixth International Conference on Information and Communication Technologies and Development*. University of Cape Town, Cape Town. South Africa. 7 - 10 December 2013.

Mallinson, B.J.

Mallinson, B.J. and Krull, G. Workshop organisers. Learning Design in the Open: Re-thinking our Courses for Tomorrow's African Learners. *8th eLearning Africa conference*. Namibia Safari Conference Centre, Windhoek. Namibia. 29 May 2013.

Distinguished Visitors

Conger, S. University of Dallas, Irving, United States of America. *Research*. June 2013.

Maeder, A.J. University of Western Sydney, Sydney, Australia. *Collaboration*. December 2013.

Sainsbury, M. OwiIT, Johannesburg, South Africa. *Lecture*. September 2013.

Peer Reviewed Non-Subsidy-Earning Journal Research Publications

Mallinson, B.J.

Mallinson, B.J. and Krull, G. (2013) Building Academic Staff Capacity to Support Online Learning in Developing Countries. *Journal of Asynchronous Learning Networks (JALN)*. 17 (2). p.63-72.

Peer Reviewed Subsidy-Earning Journal Research Publications

Conger, S.

Conger, S., Pratt, J.H. and Loch, K.D. (2013) Personal information privacy and emerging technologies. *Information Systems Journal*. 23 (2013). p.401-417.

Khene, C.J.

Khene, C.J., Luton, R., Jordaan, T., Hildbrand, S., Gerwel Proches, C., Sitshaluza, A., Dominy, J., Ntshinga,



Staff and Senior Postgrads from Department of Information Systems rehearse their presentations ahead of the SAICSIT Conference in Pretoria

Photo: Paul Greenway



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W. and Moloto, N. (2013) Complexity of Stakeholder Interaction in Applied Research. *Ecology and Society* 18 (2). p.1-10.

Krauss, K.E.M.

Krauss, K.E.M. and Turpin, M. (2013) The Emancipation of the Researcher as part of Information and Communication Technology for Development Work in deeply rural South Africa. *Electronic journal of information systems in developing countries*. 59 (2). p.1-21.

Krauss, K.E.M. (2013) Collisions between the Worldviews of International ICT Policy-Makers and a Deep Rural Community in South Africa: Assumptions, Interpretation, Implementation, and Reality. *Information Technology for Development*. 19 (4). p.296-318.

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Baduza, G.Q. and Khene, C.J.

Baduza, G.Q. and **Khene, C.J.** Towards a Needs-ICTD Strategy Alignment Framework. *Proceedings of the 7th International Development Informatics Association Conference*. Chulalongkorn University, Bangkok. Thailand. November 2013.

Conger, S.

Rhame, S., Mulig, L., Blanke, S. and **Conger, S.** Using Experiential Learning To Go Beyond Compliance in Teaching Accounting and Technology Ethics. *American Accounting Association Annual Conference*. Albuquerque, Albuquerque, United States of America. March 2013.

Mulig, L., **Conger, S.** and Blanke, S. Linking IS Audit Concepts to the Real World via an Experiential Learning Exercise. *5th Annual General Business Conference*. Sam Houston State University, Huntsville. United States of America. April 2013.

Conger, S. and Miller, R. Problem-based learning for a lean six sigma course. *Southwest Decision Sciences and Information Conference*. Albuquerque Convention Center, Albuquerque. United States of America. March 2013.

Conger, S. Knowledge Management in LLiSA ICT4D Projects. *A Connected Society - Proceedings of SAICSIT*

2013. Blue Lagoon Hotel, East London. South Africa. October 2013.

Krauss, K.E.M.

Krauss, K.E.M. Practice-driven theory: Using Bourdieu's critical lineage in ICT4D work. *Proceedings of the 7th International Development Informatics Association Conference*. Chulalongkorn University, Bangkok. Thailand. November 2013.

Mallinson, B.J.

Krull, G., **Mallinson, B.J.** and Mhlanga, E. Embedding Quality Assurance in Online Courses at African Universities. *8th eLearning Africa Conference*. Namibia Safari Conference Centre, Windhoek. Namibia. May 2013.

Mallinson, B.J. and Krull, G. Incubating Online Course Design and Development at African Universities. *2nd eLearning Update Conference*. Emperor's Palace, Johannesburg. South Africa. August 2013.

Mallinson, B.J. Exploring modes of education delivery in the digital age. *1st International Conference of the African Virtual University*. Intercontinental Hotel, Nairobi. Kenya. November 2013.

Krull, G. and **Mallinson, B.J.** eLearning or eKnowledge - What are we offering students? *UNISA Cambridge Open Distance and eLearning Conference*. Spier Hotel, Stellenbosch. South Africa. September 2013.

Krull, G. and **Mallinson, B.J.** The Rise of the MOOCs. *Online and eLearning Conference*. The Forum, Johannesburg. South Africa. August 2013.