



*Credit: Snow Harris*

**Professor Stephen Flowerday**  
Head of Department

The Department of Information Systems is particularly interested in the generation of knowledge in the areas of ICT4D, eGovernment, eLearning, IT Project Management, Social Networks, Information Security, Behavioural Cybersecurity, and User Experience.

Research in these areas have produced two (2) book chapters, eight (8) journal articles, and eleven (11) conference papers, with aspects of this research being presented locally as well as internationally in the United Kingdom, Netherlands, Iceland, and United States of America.

In addition to producing research outputs, staff in the Department of Information Systems contribute to their discipline as journal editors and reviewers, conference reviewers and panel members, and external examiners of theses for other academic institutions.

### Postgraduates / Graduations

Postgraduate numbers in the Department include twelve (12) PhD candidates, thirteen (13) Masters students, and a class of thirty five (35) Honours students. In April 2018, we celebrated the graduation of five (5) Masters students.

### Distinguished Visitors / International Visits

Distinguished visitors to the Department included Dr Lynette Drevin and Professor Hennie Kruger from North-West University who participated in research workshops.

Professor Christos Kalloniatis, an Erasmus+ professor (Erasmus+ is the European Union's programme to support education, training, youth and sport in Europe) from University of the Aegean participated in research workshops and gave a guest lecture to Postgraduate students on Privacy by Design.



Mr Karl van der Schyff presenting during a research workshop to Visiting Professors.  
*Credit: Department of Information Systems*

**Professor Sue Conger**, a Visiting Professor from the Satish and Yasmin Gupta College of Business at the University of Dallas, continues to make a valuable contribution to the research efforts, with a number of publications of IT in developing countries.

**Professor Graham Wright**, a Visiting Professor of the Department, continues to make a valuable contribution to the research efforts, with a number of publications in the field of Health Information Systems.

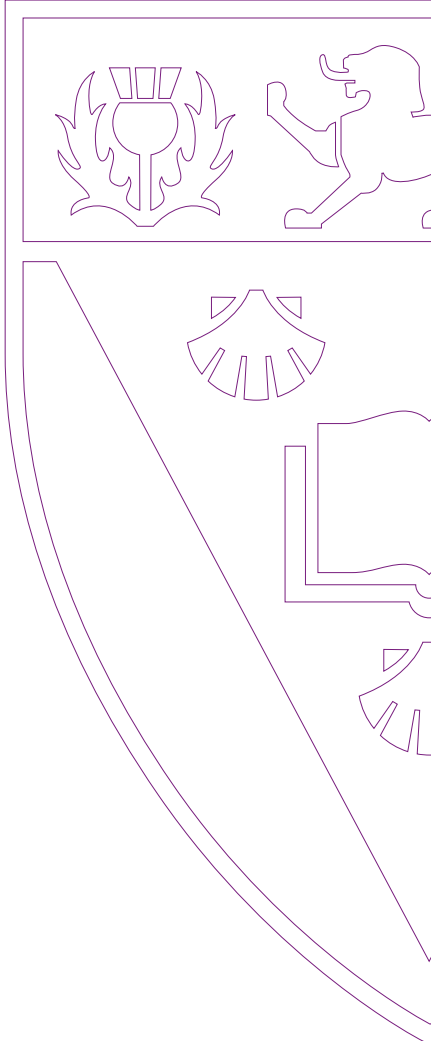
**Ms Brenda Mallinson**, a Research Associate of the Department, continues to make a valuable contribution to the research efforts, with a number of publications in the field of eLearning.



Professor Stephen Flowerday presents IBM Award for Best Information Systems Honours Research Project to Ms Dina Nathoo.  
*Credit: Department of Information Systems*

# PUBLICATIONS

## Department of Information Systems



## Books/Chapters/Monographs

**Conger, S.**

**Conger, S.** (2018) Challenges and Benefits of Multi-Cultural Teaching. In: Maheshkar, C. and Sharma, V. (eds.). *Handbook of Research on Cross-Cultural Business Education*. USA: IGI Global. p.340-358. ISBN: 9781522537762.

**Siebörger, I.**

**Terzoli A., Siebörger I., Tsietsi M., and Gumbo S.** (2018) Digital Inclusion: A Model for e-Infrastructure and e-Services in Developing Countries. In: Odumuyiwa V., Adegboyega O., Uwadia C. (eds) e-Infrastructure and e-Services for Developing Countries. AFRICOMM 2017. *Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering*, vol 250. Springer, Cham.

## Concerts, Exhibitions, Performances, Workshops, Events

**Flowerday, S.**

**Flowerday, S.** Co-chair for "The 2018 Dewald Roode Information Systems Security Research" IFIP (WG) 8.11/11.13 - held in Cape Town, South Africa, 14 - 15 June. This is an International working group.

**Flowerday, S.** Guest editor of the South African Institute of Electrical Engineers: African Research Journal (annual Information Security issue). The special issue each year is based on the Information Security South Africa conference. *SAIEE Africa Research Journal (Volume: 109, Issue: 2, June 2018)*. DOI: 10.23919/SAIEE.2018.8531949.

**Mallinson, B.J.**

**Mallinson, B.J.** Participant. Enhancing Online Courses: a practical approach. *Invited workshop at Unit for Distance Education (UDE)*. University of Pretoria, Pretoria. South Africa. 18 October 2018.

**Mallinson, B.J.** and Mbogela, S. Participant. Exploring the Digital Fluency course for academic staff professional development. *Workshop at e/merge 2018 - Festival of eLearning in Africa (Online conference)*. University of Cape Town, Cape Town. South Africa. 9 - 20 July 2018.

**Mallinson, B.J.** Invited pre-conference Workshop. Professional Development in a Digital Age. *Eighth Annual Teaching and Learning Conference, Centre for Teaching and Learning (CTL)*. North-West University (NWU), Potchefstroom. South Africa. 29 - 31 May 2018.

**Mallinson, B.J.** Participant. Exploring Blended Modes of Education Provision. *Invited workshop at Academic Professional Development (APD)*. North-West University (NWU), Potchefstroom. South Africa. 19 September 2018.

## Peer Reviewed Non-Subsidy-Earning Journal Research Publications

**Wright, G.**

**Wright, G.** (2018) Some Thoughts about Health Informatics in Africa. *European Journal for Biomedical Informatics*. 14 (1). p.75-76.

Caceres, J.L.H. and **Wright, G.** (2018) Zika Virus Viewed Through the Resonant Recognition Model. Unraveling New Avenues for Understanding and Managing a Serious Threat. *European Journal for Biomedical Informatics*. 14 (1111). p.22-28.

**Flowerday, S.**

Renaud, R. and **Flowerday, S.** (2018) Why Governments Should Treat Cybersecurity the Way They Do Infectious Diseases. *Behavioral Scientist*, Keller Creative Co.

## Peer Reviewed Subsidy-Earning Journal Research Publications

**Benyon, R.**

Mitchell, A. and **Benyon, R.** (2018) Teaching Tip: Adding Intercultural Communication to an IS Curriculum. *Journal of Information Systems Education*. 29 (1). p.1-10.

**Conger, S.**

Asare, E. and **Conger, S.** (2018) Analyzing the impact of strategic performance management systems and role ambiguity on performance: A qualitative approach. *Studies in Computational Intelligence*. 718 (2018). p.15-27.

**Flowerday, S.**

Renaud, K., **Flowerday, S.**, Warkentin, M., Cockshott, P. and Orgeron, C. (2018) Is the responsabilization of the cyber security risk reasonable and judicious? *Computers & Security*. 78 (2018). p.198-211.

**Osah, J. and Pade-Khene, C.**

**Osah, J. and Pade-Khene, C.** (2018) Group structural elements in e-Government strategy formulation at local municipal level in South Africa. *Transforming Government: People, Process and Policy*. 12 (1). p.2-15.

**Pade-Khene, C.**

**Pade-Khene, C.** (2018) Embedding knowledge transfer in digital citizen engagement in South Africa: Developing digital literacy. *Reading and Writing*. 9 (1). p.1-9.

## Peer-reviewed Proceedings

**Flowerday, S.**

Piderit, R., **Flowerday, S.** and Ngono, M. A model on how physical security informs cybersecurity. *ACIST 2018: Improving African Livelihoods with Digital Information & Technology*. University of Cape Town, Cape Town. South Africa. July 2018.

**Mthoko, H. and Pade-Khene, C.**

**Mthoko, H. and Pade-Khene, C.** Abstract: Rethinking ICT4D Impact Assessments: Reflections from the Siyakhula Living Lab in South Africa. *IDIA 2018: Making ICT Research Locally Relevant*. Hennopsriver Valley, Tshwane. South Africa. August 2018.

**Musarurwa, A. and Flowerday, S.**

**Musarurwa, A. and Flowerday, S.** The BYOD Information Security Challenge for CIOs. *Human Aspects of Information Security & Assurance (HAISA 2018)*. Dundee, Scotland. August 2018.

**Thinyane, H.**

**Thinyane, H.**, Bhat, K., Junio, D., Ju, B. and Craven-Matthews, C. Migrant Workers' Use of ICTs in Unacceptable Forms of Work. *IDIA 2018: Making ICT Research Locally Relevant*. Hennopsriver Valley, Tshwane. South Africa. August 2018.

**Van Der Schyff, K.**

**Van Der Schyff, K.**, Krauss, K.E.M. and Kroeze, J.H. Facebook and Dataveillance: Demonstrating a Multimodal Discourse Analysis. *AMCIS 2018 Digital Disruption*. Hyatt Regency, New Orleans. United States of America. August 2018.

**Motara, Y.M. and Van Der Schyff, K.** A functional ontology.

*SAICSIT 2018 Technology for Change*. Nelson Mandela University, Port Elizabeth. South Africa. September 2018.

## Research Papers Presented at Academic/Scientific Conferences (Non-peer-reviewed Proceedings)

**Conger, S.**

Morrow, D. and **Conger, S.** Job Crafting, Mindfulness, Meaningfulness, and Work Engagement. *3rd International Symposium on Meaningful Work*. Amsterdam. The Netherlands. June 2018.

Morrow, D. and **Conger, S.** Conceptualizing job crafting: Deconstructing two streams of job crafting research. *Euram2018*. University of Iceland, Reykjavik. Iceland. June 2018.

Rogers, D. and **Conger, S.** Managerial cognitive ambidexterity as an antecedent to organizational knowledge acquisition and assimilation. *Euram2018*. University of Iceland, Reykjavik. Iceland. June 2018.

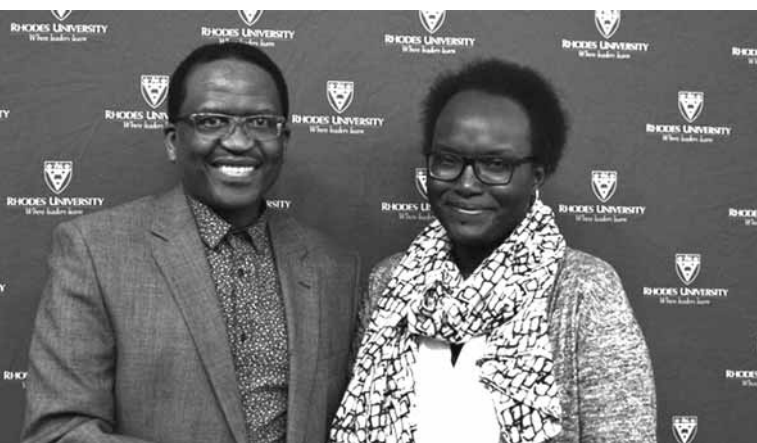
**Pade-Khene, C. and Mthoko, H.**

**Pade-Khene, C.**, Maisiri, L.J. and **Mthoko, H.** Participation Inequality in Digital Citizen Engagement: Building Civic and Responsiveness Digital Literacy. *Development Studies Association (DSA2018) Conference: Global Inequalities*. University of Manchester, Manchester. United Kingdom. June 2018.

**Van der Schyff, K., and Flowerday, S**

**Van der Schyff, K.**, and **Flowerday, S.** The development of a personality-driven social media dataveillance behaviour model for South Africa. *The 2018 IFIP 8.11/11.13 Dewald Roode Information Security Research Workshop*. Cape Town. South Africa. June 2018.

Left to right: Vice-Chancellor, Dr Sizwe Mabizela with Associate Professor Caroline Khene. Caroline received the 2018 Vice-Chancellor's Distinguished Research Award for her research examining the opportunities and complexities that arise in bringing citizens and government together via digital platforms.



Credit: Rhodes University Communications and Advancement Division