Digital Emancipation in a Networked Society

http://conf-irm2016.uct.ac.za

May 18-20, 2016,
Protea Hotel Breakwater Lodge, The Waterfront,
Cape Town, South Africa

Onsite registration and inquiries in Foyer A:

Wednesday 18/May (09:00 – 18:00)
Thursday 19/May (08:00 – 18:00)
Friday 20/May (08:00 – 09:00)
Wednesday 18/May/2016

**Paper Development Workshop**¹ – Boardroom 1 (10:00 – 12:00)

Chairs:
- Professor Felix Tan, Excelsia College
- Dr Gerald Grant, Carleton University

Mentors:
- Professor Alta van der Merwe, University of Pretoria
- Professor Fred Niederman, Saint Louis University
- Professor Patrick Chau, University of Hong Kong
- Professor Anol Bhattacherjee, University of South Florida
- Professor Robert Davison, City University of Hong Kong

**Lunch – Foyer A and B (12:00 – 13:30)**

**Journal Editors Panel**² – Boardroom 1 (13:30 – 15:00)

- Gerald Grant, Associate Editor of *Information Technology for Development*
- Irwin Brown, Deputy Editor-in-Chief of the *African Journal of Information Systems*
- Patrick Chau, Editor-in-Chief of *Information & Management*
- Robert Davison, Editor-in-Chief of the *Electronic Journal of Information Systems in Developing Countries*

**Networking and Welcome Reception – Stonebreaker Restaurant Deck (15:00 – 17:00)**

¹ This is a closed event - strictly for authors of selected papers
² All registered Conf-IRM participants are welcome to attend this panel.
### Thursday 19/May/2016

**Opening welcome – Boardroom 1** (09:00 – 09:10)

**Keynote Ineke Buskens, GRACE Network – Boardroom 1** (09:10 – 10:30)

**Coffee break – Foyers A and B** (10:30 – 11:00)

### Session 1: (11:00 – 12:30)

<table>
<thead>
<tr>
<th>Boardroom 1</th>
<th>Lecture Theatre 4</th>
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<tr>
<td>Chair: Jean-Paul van Belle</td>
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<td>Chair: Alta van der Merwe</td>
<td>Chair: Lisa Seymour</td>
<td>Chair: G. ‘Hari’ Harindranath</td>
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**Track 1: Big data, business intelligence, and data analytics**

- 33. Feasibility of a low-cost computing cluster in comparison to a high-performance computing cluster: A developing country perspective – Eugene Botma & Eduan Kotzé
- 23. Data analytics to support social media marketing: Challenges and opportunities – Patricia Luu

**Track 4: Green IS strategies and technologies**

- 64. Technical and environmental factors affecting cloud computing adoption in the South African public sector – Brenda Scholtz, Judian Govender & Jorge Marx-Gomez
- 69. The obstacles of sustainable business model innovations – Georg Hake, Jad Asswad & Jorge Marx-Gomez

**Track 9: Management and governance of ICT including ICT skills**

- 78. Why designers responsible for websites of large organisations disregard basic web design principles – Wynand Beukes, Helene Gelderblom & Alta van der Merwe
- 66. The factors affecting the lack of post-project reviews in IT projects – Judy Howard & Derek Smith
- 67. The institutionalization process of governance in a virtual business community: A case study – Geovane Sornberger, Norberto Hoppen & Eduardo Rigoni

**Track 2: Enterprise systems and knowledge management**

- 4. A feedback loop model to facilitate communication between citizens and local government in Buffalo City – Amanda Gopeni, Ntombovoyu Wayi & Stephen Flowerday
- 50. On the emancipatory potential of web 2.0: Peer creation of language through Wordnik – Anastasia Utseheva & Jason Simpson
- 74. Towards an understanding of the integrative relationship between business process management and enterprise resource planning systems – Malcolm Garbutt & Joachim Schuler

**Track 8: Impact of ICT on people, organizations, and society**

- 3. A crowdsourcing, smart city model for a developing country – Liezel Cilliers, Stephen Flowerday & Sean McLean
- 18. BYOD adoption concerns in the South African financial institution sector – Andreas Gustav & Salah Kabanda
- 37. Information systems and culture - A systematic hermeneutic literature review – Sharon Geeling, Irwin Brown & Peter Weimann
**Thursday 19/May/2016**

**Lunch – Foyer A and B (12:30 – 14:00)**

**Session 2: (14:00 – 15:30)**

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**Track 7: ICT in government, healthcare, and education**

10. Addressing trust, security and privacy concerns in e-government integration, interoperability and information sharing through policy: A case of South Africa – More Manda & Judy Backhouse


75. Towards using pervasive information security education to influence information security behaviour in undergraduate computing graduates – Thando lwethu Mabece, Lynn A. Futcher & Kerry-Lynn Thomson

**Track 4: Green IS strategies and technologies**

35. Greening and optimizing energy consumption of sensor nodes in the internet of things through energy harvesting: Challenges and approaches – David Oseneojie Airehrour, Jairo Gutierrez & Sayan Kumar Ray

59. Service provisioning for lightweight community cloud infrastructures – Taariq Mullins, Antoine Bagula, Slim Rekhis & Noureddine Boudriga

**Track 6: Information security, privacy, and risk management**

8. A web-based approach to allocating audit resources using the analytic hierarchy process – Rudi Serfontein & Hennie Kruger

**Track 9: Management and governance of ICT including ICT skills**

7. A systemic view of South Africa’s software industry – Gwamaka Mwalemba, Kosheek Sewchurran & Anjali Ramburn Gopaul

19. Challenges of CoBIT 5 IT governance framework migration – Sikhulile Ndlou & Michael Kyobe

55. Realising partnership needs: A grounded theory of mobile banking service providers in Zimbabwe – Takunda Mujuru & Irwin Brown

**Track 2: Enterprise systems and knowledge management**

16. Assessing the correlation between ERP system implementation and business process maturity – Frans Monkwe & Tania Prinsloo

12. An e-mail embedded software prototype for knowledge management – Manuel Holler, Falk Uebernickel & Walter Brenner

51. Organizational & knowledge challenges faced during an ERP implementation: The case of a large public sector organization – Anjali Ramburn Gopaul, Gwamaka Mwalemba & Lisa Seymour

**Track 8: Impact of ICT on people, organizations, and society**


49. Moral panics on implementation of consolidated ICT regulatory management system: Case of Malawi – Frank Makoz & Wallace Chigona

56. Rethinking trust in e-commerce in a context-aware, mobile world – Ayodele Barrett
**Thursday 19/May/2016**

**Coffee break – Foyer A and B (15:30 – 16:00)**

**Session 3: (16:00 – 17:30)**

<table>
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**Track 7: ICT in government, healthcare, and education**

9. Achieving inclusive and transformative ICT education practices in rural schools in marginalized communities – Clement Simuja, Kirstin Krauss & Sue Conger

73. Towards a conceptual framework for e-government accessibility for persons with disabilities in developing countries – Millicent Agangiba & Salah Kabanda

61. Social computing as an e-participation tool in South Africa: An exploratory study – Ifeoluwapo Fashoro & Lynette Barnard

**Track 6: Information security, privacy, and risk management**

26. Engineering secure adaptable web services compositions - Peter Nkom & Marijke Coetze

60. Smartphone owners need security advice. How can we ensure they get it? – Karen Renaud, Renette Bilgnaut & Isabella Margarethe Venter

14. An investigation into the security behaviour of tertiary students regarding mobile device security – Martin Park & Lynette Drevind

**Track 9: Management and governance of ICT including ICT skills**

39. Investigating the misalignment in the existing e-legislation of South Africa – Unathi Pokwana & Michael Kyobe

77. Virtual community design, participation and success: A strategy-as-practice perspective – Arlene Bailey

**Track 5: ICT for development**

65. The extent of usage of mobile devices for learning outside the classroom in a secondary school in Tanzania – Samwel Mwapwele & Sumarie Roodt

28. Evaluating the benefits of cloud computing in small and medium enterprises in South Africa – Osdon Jokonya & Shambuyi Tshiyole

24. Determinants of successful virtual investment communities – Lee Meyerindricks, Valerie Hooper & Kevin Johnston

27. Enhancing user trust in cloud computing applications – Roxanne Piderit & Tamsanqa Nyoni

**Track 8: Impact of ICT on people, organizations, and society**


**Track 3: ICT design, development, and services management**

6. A review of the literature on configuration management tools – Johannes Hintsch, Carsten Görling & Klaus Turowski

71. The value of comparative usability and UX evaluation for e-commerce organisations – Rendani Kruger, Helene Gelderblom & Wynand Beukes

**Conference dinner – Atlantic Imbizo (19:00 – 23:00)**
### Friday 20/May/2016

**Conf-IRM 2017 – Outlook – Boardroom 1 (09:00 – 09:15)**

**Keynote Tshifhiwa Ramuthaga, CIO Financial Services Board – Boardroom 1 (09:15 – 10:30)**

**Coffee break – Foyer A and B (10:30 – 11:00)**

**Session 1: (11:00 – 12:30)**

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<td><strong>Track 11: ICT in Latin America and the Caribbean</strong></td>
<td><strong>CIO Symposium</strong></td>
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## Session 2: (14:00 – 15:30)

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<td>Chair: Antonio Díaz Andrade</td>
<td>Lakshmi Iyer, University of North Carolina at Greensboro, USA</td>
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<td>44. Mechanisms impacting the Kenya open data initiative – Paul Mungai, Jean-Paul Van Belle &amp; Joseph Sevilla</td>
<td>38. Information systems security policy violation: Systematic literature review on behavior threats by internal agents – Kennedy Njenga</td>
<td>70. The use of Sen’s capability approach in ICT4D: An exploratory review – Mmabatho Tshivhase, Machdel C. Matthee &amp; Marita Turpin</td>
<td>63. Strategies for bridging the internet digital divide in Peru: A benchmarking of South Korea and Chile – Christian Fernando Libaque-Saenz</td>
<td>Ashish Gupta, University of Tennessee Chattanooga, USA</td>
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<td>41. Management of ICT in education: A meta-study on the local (South African) and international research landscape – Moira Bladergroen</td>
<td>43. Measuring the organizational impact of security breaches: Patterns of factors and correlates – Kevin Gallagher, Xiaoni Zhang &amp; Vickie Gallagher</td>
<td>31. Factors influencing discretionary ICT corporate social responsibility decisions made by financial services organisations – Sherwin Manjo</td>
<td><strong>Track 12: Digital transformation, entrepreneurship, and innovation</strong></td>
<td>Ramesh Sharda, Oklahoma State University, USA</td>
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<td>76. Understanding the adoption of wearable technology in South African organisations – Jean-Paul Van Belle, Devon Neill &amp; Jacques Ophoff</td>
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Friday 20/May/2016

Coffee break – Foyer A and B (15:30 – 16:00)

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<td>Big data technologies and visual analytics: Resources for business analytics research and teaching. Workshop B.</td>
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<td>45. Millennium development goals and attainment of healthcare delivery in Africa: The use e-Healthcare technologies – George Ditsa &amp; Mark Muwanguzi</td>
<td>22. Crowd-based social enterprise: A conceptual model for a research agenda in ICT4D – Octavio Gonzalez Aguilar</td>
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<td>40. Leveraging the disruptive potentials of IoT innovations - Avoiding the pains and accruing the gains – Abayomi Baiyere</td>
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Conference ends

See you in Santiago de Chile in 2017!