Programme

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 Boardroom 1 Foyer:

  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 Workshop¹ – 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 – Boardroom 1 Foyer (12:00 – 13:30)

Journal Editors Panel² – 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 – Boardroom 1 Foyer (10:30 – 11:00)**

**Session 1: (11:00 – 12:30)**

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<th>Boardroom 1</th>
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<th>Academic Room 2</th>
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<tbody>
<tr>
<td>Chair: Jean-Paul van Belle</td>
<td>Chair: Brenda Scholtz</td>
<td>Chair: Alta van der Merwe</td>
<td>Chair: Lisa Seymour</td>
<td>Chair: G. ‘Hari’ Harindranath</td>
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<tr>
<td><strong>Track 1: Big data, business intelligence, and data analytics</strong></td>
<td><strong>Track 4: Green IS strategies and technologies</strong></td>
<td><strong>Track 5: Management and governance of ICT including ICT skills</strong></td>
<td><strong>Track 6: Enterprise systems and knowledge management</strong></td>
<td><strong>Track 8: Impact of ICT on people, organizations, and society</strong></td>
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### Thursday 19/May/2016

Lunch – Boardroom 1 Foyer (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 – Thandolwethu 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 Osemeojie 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 Ndlovu & 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 Makoza & Wallace Chigona

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

Coffee break – Boardroom 1 Foyer (15:30 – 16:00)

Session 3: (16:00 – 17:30)

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<td>Chair: Edward Bernroider</td>
<td>Chair: Gwamaka Mwalembe</td>
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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 Nkomo & Marijke Coetze

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

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


**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

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

28. Evaluating the benefits of cloud computing in small and medium enterprises in South Africa – Osden 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

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 – Boardroom 1 Foyer (10:30 – 11:00)

Session 1: (11:00 – 12:30)

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<td>Chair : Maureen Tanner</td>
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<td>Chair : Jairo Gutierrez</td>
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<td><strong>Track 11: ICT in Latin America and the Caribbean</strong></td>
<td>Gerald Grant, Carleton University - Canada</td>
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### Friday 20/May/2016

**Lunch – Stonebreakers Restaurant (12:30 – 14:00)**

#### Session 2: (14:00 – 15:30)

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<td>Chair: Lech Janczewski</td>
<td>Chair: Judy van Biljon</td>
<td>Chair: Antonio Díaz Andrade</td>
<td>Big data technologies and visual analytics: Resources for business analytics research and teaching. Workshop A. Lakshmi Iyer, University of North Carolina at Greensboro, USA Ashish Gupta, University of Tennessee Chattanooga, USA 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 – Boardroom 1 Foyer (15:30 – 16:00)

Session 2: (16:00 – 17:30)

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<td><strong>Track 10: E-business, and social and mobile apps</strong></td>
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<td><strong>Track 12: Digital transformation, entrepreneurship, and innovation</strong></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>
<td>2. 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!**