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Education

** Indicates expected*

2014–2017* Ph.D., Computer Science, University of Cape Town
Thesis Title: Streamlined Technology-driven Orchestration
Supervisors: A/Prof. Hussein Suleman and Prof. Dr. Christoph Meinel
2011–2013 M.Sc., Computer Science, University of Cape Town
2003–2007 B.Sc., Computer Science, University of Zambia

Appointments

2015–2016 Teaching Assistant, Computer Science, University of Cape Town
2013–2014 Research Assistant, Digital Libraries Laboratory, University of Cape Town
2011–2013 Content Curator, SCAP Project, University of Cape Town
2009–2011 Database Administrator, IT Department, Airtel Zambia
2008–2009 Business Intelligence Analyst, IT Department, Zain Zambia
2007–2008 Business Intelligence Analyst, IT Department, Celtel Zambia

Teaching

2016	CSC1015F, Computer Science 1015	University of Cape Town
2015	CSC1017F, Python for Engineers	University of Cape Town
2013	DDOOCF, Developing OO Programs	Zambia Centre for Accountancy Studies

Teaching Assistant

2015	CSC1010H	University of Cape Town
2016	CSC1010H, CSC1011H, NASSP PyMicro	University of Cape Town

Supervision

2016	Nabeel Parker (Honours Student, University of Cape Town)
2016	Morne Valentyn (Honours Student, University of Cape Town)

Selected Honours and Awards

2014–2017	Hasso Plattner Institute Ph.D. Studentship
2003–2017	University of Zambia Undergraduate Bursary

Publications

Preprint URLs available at <http://orcid.org/0000-0003-3582-9866>

‡ Indicates Technical Reports

Journals

- [1] **Phiri, L.**, Meinel, C. & Suleman, H. (2016). Streamlined orchestration: An orchestration workbench framework for effective teaching. *Computers & Education*, 95, 231–238. doi: [10.1016/j.compedu.2016.01.011](https://doi.org/10.1016/j.compedu.2016.01.011)
- [2] **Phiri, L.** & Suleman, H. (2012). In search of simplicity: Redesigning the Digital Bleek and Lloyd. *DESIDOC Journal of Library & Information Technology*, 32(4), 306–312. doi: [10.14429/djlit.32.4.2524](https://doi.org/10.14429/djlit.32.4.2524)

Conferences

- [1] **Phiri, L.**, Meinel, C. & Suleman, H. (2016). Ad hoc vs. organised orchestration: A comparative analysis of technology-driven orchestration approaches. Paper presented at the 8th International Conference on Technology for Education (pp. 200–203). doi: [10.1109/T4E.2016.48](https://doi.org/10.1109/T4E.2016.48)
- [2] Poulo, L., **Phiri, L.** & Suleman, H. (2014). Fine-grained scalability of digital library services in the cloud. Paper presented at the Southern African Institute for Computer Scientist and Information Technologists Annual Conference (pp. 157–165). doi: [10.1145/2664591.2664611](https://doi.org/10.1145/2664591.2664611)

- [3] **Phiri, L.** & Suleman, H. (2013). Flexible design for simple digital library tools and services. Paper presented at the South African Institute for Computer Scientists and Information Technologists Annual Conference (pp. 160–169). doi: [10.1145/2513456.2513485](https://doi.org/10.1145/2513456.2513485)
- [4] **Phiri, L.**, Williams, K., Robinson, M., Hammar, S. & Suleman, H. (2012). Bonolo: A general digital library system for file-based collections. Paper presented at the 14th International Conference on Asia-Pacific Digital Libraries (pp. 49–58). doi: [10.1007/978-3-642-34752-8_6](https://doi.org/10.1007/978-3-642-34752-8_6)

Book chapters

- [1] **Phiri, L.** & Suleman, H. (2015). Managing cultural heritage: information systems architecture. In I. Ruthven & G. Chowdhury (Eds.), *Cultural Heritage Information: Access and Management* (pp. 113–134). United Kingdom, London: Facet Publishing.

Theses and dissertations

- [1] **Phiri, L.** (2013). Simple digital libraries. M.Sc. Dissertation. University of Cape Town. Retrieved from <http://hdl.handle.net/11427/6638>

Technical reports

- [1] Baird, M. J., **Phiri, L.** & Suleman, H. (2014). Automatic workflow management for spatial heritage data[‡]. Retrieved from <http://pubs.cs.uct.ac.za/archive/00000962>
- [2] **Phiri, L.** & Suleman, H. (2013). Benchmarking a file-based digital library system repository architecture[‡]. Cape Town. Retrieved from <http://pubs.cs.uct.ac.za/archive/00000888>

Posters

- [1] **Phiri, L.**, Meinel, C. & Suleman, H. (2016). Streamlining technology-driven orchestration in formal learning spaces. Poster session presented at the 2016 Computer Science Evening, University of Cape Town, Cape Town, South Africa.
- [2] **Phiri, L.**, Meinel, C. & Suleman, H. (2016). Streamlined technology-driven orchestration. Poster session presented at the Teaching & Learning Conference 2015 Deferred, University of Cape Town, Cape Town, South Africa.
- [3] **Phiri, L.**, Meinel, C. & Suleman, H. (2015). Streamlined technology-driven orchestration. Poster session presented at the 10th Symposium on Future Trends in Service-Oriented Computing, Potsdam, Germany.
- [4] **Phiri, L.** & Suleman, H. (2011) A lightweight digital library framework. Poster session presented at the South African Institute for Computer Scientists and Information Technologists Annual Conference, Cape Town, South Africa.

Contributed Presentations

- [1] **Phiri, L.**, Meinel C. & Suleman, H. (2016). Ad hoc vs. organised orchestration: A comparative analysis of technology-driven orchestration approaches (oral presentation), 8th International Conference on Technology for Education, Mumbai, India, December 2016.
- [2] **Phiri, L.** & Suleman, H. (2015). Simple archive architectures (oral presentation), IFLA IT Section Satellite Meeting, Stellenbosch, South Africa, August 2015.
- [3] **Phiri, L.** & Suleman, H. & Meinel C. (2015). Streamlined technology-driven orchestration (poster), 10th Symposium on Future Trends in Service-Oriented Computing, Potsdam, Germany, June 2015.
- [4] **Phiri, L.**, Suleman, H. & Meinel C. (2015). Investigating the impact of organised orchestration on teaching (oral presentation), Doctoral Symposium, 10th Symposium on Future Trends in Service-Oriented Computing, Potsdam, Germany, June 2015.
- [5] Poulo, L., **Phiri, L.** & Suleman, H. (2014). Fine-grained scalability of digital library services in the cloud (oral presentation), Proceedings of the Southern African Institute for Computer Scientist and Information Technologists Annual Conference 2014, Centurion, South Africa, September 2014.
- [6] **Phiri, L.** & Suleman, H. (2013). Flexible design for simple digital library tools and services (oral presentation), Proceedings of the Southern African Institute for Computer Scientist and Information Technologists Annual Conference 2013, East London, South Africa, September 2014.
- [7] **Phiri, L.**, Williams, K., Robinson, M., Hammar, S. & Suleman, H. (2012). Bonolo: A general digital library system for file-based collections (oral presentation), 14th International Conference on Asia-Pacific Digital Libraries, Taipei, Taiwan, November 2012.
- [8] **Phiri, L.** & Suleman, H. (2011). A lightweight digital library framework (oral presentation), M & D Symposium, Proceedings of the Southern African Institute for Computer Scientist and Information Technologists Annual Conference 2011, Cape Town, South Africa, October 2011.

Professional Services

- Reviewer – Computers & Education (2016), SAICSIT (2015, 2014)
- Sub-reviewer – SAICSIT (2016), SACLA (2016).
- Workshop Organiser – Towards a Strategic Agenda for Local Research in ICT for Development (SAICSIT 2015)
- Departmental Committees – Centre for ICT4D Executive Committee Student Representative (2016–present)
- Mentor – Department of Computer Science Summer Undergraduate Research Experience Project (2012)
- Student Volunteer – International Collegiate Programming Contest (ICPC) South Africa regional contest (2015), Symposium on Electronic Theses and Dissertations (2011)
- Content Management – Centre for ICT4D Website (2015–2016), Digital Libraries Laboratory Website (2014–2016)

References

Available on request.