

# Lighton Phiri

## Curriculum Vitae

Department of Computer Science, University of Cape Town  
Private Bag X3, Rondebosch 7701, Cape Town, South Africa  
Phone: +27 (725) 378 670  
Email: [lphiri@cs.uct.ac.za](mailto:lphiri@cs.uct.ac.za)  
URL: <http://people.cs.uct.ac.za/~lphiri>  
ORCID iD: [0000-0003-3582-9866](https://orcid.org/0000-0003-3582-9866)

## Education

\* *Indicates expected*

- **Ph.D. 2018\***, Computer Science, University of Cape Town. Streamlined technology-driven orchestration: Investigating the impact of organised orchestration on teaching (Advisors: A/Prof. Hussein Suleman and Prof. Dr. Christoph Meinel)
- **M.Sc. 2013**, Computer Science, University of Cape Town. Simple digital libraries (Advisor: A/Prof. Hussein Suleman)
- **B.Sc. 2007**, Computer Science, University of Zambia. Distributed laboratory instrumentation

## Appointments

- Teaching Assistant, Department of Computer Science, University of Cape Town, South Africa (2015–present)
- Research Assistant, Department of Computer Science, University of Cape Town, South Africa (2013–2014)
- Content Curator, Scholarly Communication in Africa Programme, University of Cape Town, South Africa (2011–2013)
- DBA/MIS/BA, Information Technology Department, Bhati Airtel, Zambia (2007–2011)

## Teaching

- University of Cape Town, CSC1015 Computer Science 1015 (2016)
- University of Cape Town, CSC1017 Python for Engineers (2015)
- Zambia Centre for Accountancy Studies, DOOCP Designing Object Oriented Computer Programs (2013)

## Selected Honours and Awards

- Hasso Plattner Institute (HPI) Ph.D. Studentship (2014–2017)
- GRZ University of Zambia Undergraduate Bursary (2003–2007)

## Publications

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

‡ Indicates Technical Reports

## Journals

- **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)
- **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

- **Phiri, L.**, Meinel, C., & Suleman, H. (2016). Ad hoc vs. organised orchestration: A comparative analysis of technology-driven orchestration approaches. Paper to be presented at the 8th International Conference on Technology for Education.
- 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)
- **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)
- **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

- **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

- **Phiri, L.** (2013). Simple Digital Libraries. University of Cape Town. Retrieved from OpenUCT institutional repository. (<http://hdl.handle.net/11427/6638>)

## Technical reports

- Baird, M. J., **Phiri, L.**, & Suleman, H. (2014). Automatic Workflow Management for Spatial Heritage Data<sup>‡</sup>. Retrieved from <http://pubs.cs.uct.ac.za/archive/00000962>
- **Phiri, L.**, & Suleman, H. (2013). Benchmarking a File-based Digital Library System Repository Architecture<sup>‡</sup>. Cape Town. Retrieved from <http://pubs.cs.uct.ac.za/archive/00000888>

## Posters

- **Phiri, L.**, Meinel, C. & Suleman, H. (2016). Streamlined technology-driven orchestration. Poster session presented at the Teaching & Learning Conference 2015 Deferred, Cape Town, South Africa.
- **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.
- **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

- **Phiri, L.**, H. Suleman, Simple archive architectures (oral presentation), IFLA IT Section Satellite Meeting, Stellenbosch, South Africa, August 2015
- **Phiri, L.**, H. Suleman, C. Meinel, Streamlined technology-driven orchestration (poster), 10th Symposium on Future Trends in Service-Oriented Computing, Potsdam, Germany, June 2015
- **Phiri, L.**, H. Suleman, C. Meinel, 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
- Poulou, L, **L. Phiri**, H. Suleman, 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
- **Phiri L.**, H. Suleman, 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
- **Phiri L.**, K. Williams, M. Robinson, S. Hammar, H. Suleman, Bonolo: A general digital library system for file-based collections (oral presentation), 14th International Conference on Asia-Pacific Digital Libraries, Taipei, Taiwan, November 2012
- **Phiri L.**, H. Suleman, A lightweight digital library framework (poster), Proceedings of the Southern African Institute for Computer Scientist and Information Technologists Annual Conference 2011, Cape Town, South Africa, October 2011
- **Phiri L.**, H. Suleman, A lightweight digital library framework (oral presentation), M&D Symposium, Proceedings of the Southern African Institute for Computer Scientist and Information Technologists Annual Conference 2013, Cape Town, South Africa, October 2011

## References

*Available on request.*