



Dr. Samuel Liyala

✉ sliyala@gmail.com 📞 +254733679288 📍 P.O. Box 1841, 40100 – KISUMU Kisumu

Profile

Dr. Liyala has more than 20 years experience in Information Communication and Technology. Considerable amount of this time has been devoted to research with the objective of generating demand and use of evidence to inform decisions that contribute towards the improvement of lives through social digital innovations. Dr. Liyala is involved in postgraduate teaching; student supervision; and research collaboration. He continues to serve as a research fellow within Cambridge Digital Innovation. He is well versed with ICT4Dev strategies, primary research studies, secondary review studies as well as theoretical or conceptual studies and quickly adopts relevant knowledge and skills to any type of project.

Education

PhD in Information Systems Jan 2010 – Nov 2012
De Montfort University, Faculty of Technology, Leicester, United Kingdom

Obtained a doctorate in Information Systems with a major in Information Communication and Technology for Development

BSc (First Class Honours) Information Systems Management Sep 2006 – May 2009

De Montfort University, Faculty of Technology, Leicester
Obtained Bachelors (First Class Honours) Degree in Information Systems Management

Associate Degree in Information Technology Jan 2021 – Dec 2003

Strathmore University, Nairobi-Kenya
Obtained an Associate Degree in Information Technology

O-Level (Secondary Education) Feb 1996 – Nov 1999

Sawagongo High School, Siaya
Obtained Kenya Certificate of Secondary Education

Primary Education Jan 1988 – Nov 1995

St. Vitalis Nanga (Nanga) Primary School, Kisumu
Obtained a Kenya Certificate of Primary Education

Personal details

Date of birth
December 8, 1981

Place of birth
Kisumu

Gender
Male

Nationality
Kenyan

LinkedIn
[linkedin.com/in/samuel-liyala-4785ab35](https://www.linkedin.com/in/samuel-liyala-4785ab35)

Skills

Project Management

Critical thinking skills

Microsoft Office

Communication skills

Mental flexibility

Teamwork ability

Passion and Self-leadership.

Networking

Employment

Research Fellow, Cambridge Digital Innovation Sep 2015 – Present

Cambridge Judge Business School, University of Cambridge, Cambridge, United Kingdom

Collaborative research (research sharing) on Information and Communication Technology for Development

Senior Researcher/Senior Lecturer and Head of Department, Information Systems and Technology Jun 2015 – Present

Jaramogi Oginga Odinga University of Science and Technology, School of Informatics and Innovative Systems, Siaya-Kenya

Responsibilities

1. I am responsible for all the Information and Communication Technology programs that are taught across the University both as stand-alone majors and common courses offered as minors in other programs. I therefore provide leadership in teaching, examination, research and outreach.
2. I engage with stakeholders in developing new curriculum
3. Facilitate professional development of faculty within the department
4. I evaluate faculty on a regular and continuing basis and provide appropriate recommendations for improvement.

Achievements

1. I have been able to manage conflict emanating from intellectual competition and keep staff stayed on the vision of the University.
2. I have fostered a growth environment that has increased both student numbers and faculty
3. I have contributed significantly to the more rapid and thorough digital transformation of the department. Notably, implementation of service courses on eLearning platform

Researcher; Lecturer; and School Head of Post Graduate Studies Sep 2014 – May 2015

Jaramogi Oginga Odinga University of Science and Technology, School of Informatics and Innovative Systems, Siaya-Kenya

Responsibilities

1. Responsible for admission of post graduate students within the school of informatics and innovative system.
2. Supervision of postgraduate teaching and research in consultation with the Heads of Departments within the school
3. Teaching within the school and supervision of postgraduate students
4. Conducting research work in the school

Achievements

1. Took difficult decisions, with students who came in with qualifications not envisaged in the eligibility criteria, I liaised with the University's Registrar for changes to registration arrangements
2. Implemented Graduate Training Assistant Program to ensure staff perform their teaching and/or supervision duties competently.

Languages

English

Kiswahili

Luhya

Responsibilities

1. Delivering the module using appropriate teaching and assessment methods
2. Liaise with program leaders and other key individuals, as required.
3. I conducted all monitoring, evaluation and review activity pertaining to the module I was responsible for and accordingly responding to student feedback and external examiner input.
4. I also liaised with collaborative partners. This was systematically done on regular basis to continuously improve and offer quality modules that are market driven
5. Student mentorship

Achievements

1. I effected necessary modifications to ICT module to include developmental discourse

Past Projects

1. Founder of jHUB which has developed several useful applications including Tusafiri Pamoja; BP monitoring; Crop by Weather; Smart Roads; Health Bot.
2. Collaborated in digital platforms affordances and clean energy for sustainable development
3. Collaborated in a climate change research looking at the role of technology and carbon offset among the marginalised poor
4. Participated in a research project aimed at understanding empowerment issues resulting from ICT among the marginalised groups of Western Kenya
5. 4. Participated in a multi-disciplinary research project aimed at strengthening the capacity of people and institutions to manage change and address any factors that limit adaptive capacity while exploring causes of vulnerability as well as exposure to changes and risks in Uganda.
6. 5. Conducted research that explored Performance Ethnography in a Capability Approach Evaluation of Mobile Banking among the poor.

Publications

1. Egessa, M.M. and Liyala, S., 2021. Holistically Placing the ICT Artefact in Capability Approach. *arXiv preprint arXiv:2108.09780*.
2. Neil McBride & Samuel Liyala (2021) Memoirs from Bukhalalire: a poetic inquiry into the lived experience of M-PESA mobile money usage in rural Kenya, *European Journal of Information Systems*, DOI: 10.1080/0960085X.2021.1924088
3. McBride, N., & Liyala, S., (November, 2021). How a money transfer

system really helped Kenya's poor – now it must be careful not to leave them behind <https://theconversation.com/how-a-money-transfer-system-really-helped-kenyas-poor-now-it-must-be-careful-not-to-leave-them-behind-163701>

4. Liyala, S., & McBride, N., (2018) Exploring the deep impact of M-PESA mobile banking through poetry and performance. *Journal of Global Information Technology Management* 7, no. 4 (2018): 29-46.
5. Liyala, S., & Barrett, M., (2018) From financial Inclusion to clean energy: Societal impact of mobile banking, *Social Digital Innovation Series*, Royal Holloway, University of London. Proceedings of SYSTOR '18: ACM International Conference Proceeding Series
6. Egessa, M., Liyala, S., & Ogara, S. (2018) Uncharted Academic Waters: A Case for mUtilities (Energy, Water and Sanitation). In *Conference on M4D Mobile Communication Technology for Development* (p. 19).
7. Egessa, M., Liyala, S., & Ogara, S. (2018, May). What theory of change can contribute to capability approach: towards evaluating ICT-enabled interventions. In *2018 IST-Africa Week Conference (IST-Africa)* (pp. Page-1). IEEE.
8. Omoga, C., Liyala, S., & Raburu, G., (2018) Small Sized Businesses And EMarketing Adoption: Towards A Conceptual Model *International Journal of Entrepreneurial Behavior & Research*, 10 (3), 178-191.
9. Omoga, C., Liyala, S., & Raburu, G., (2018) E-Marketing Adoption among Small Businesses in the Hospitality Industry in Kenya: The Institution Theory Perspective. *Journal of Small Business and Enterprise Development*, 20(4), pp.716-734.
10. Anne Ndolo, Solomon Ogara, Samuel Liyala, (2018) Model for Information Security Governance Prediction in Public Universities in Kenya, *International Journal of Computer Applications Technology and Research* Volume 7–Issue 02, 6377, 2018, ISSN:- 2319-8656
11. Otieno, O. C., & Liyala, S. (2018). Mobile Money Users' Functionings and Freedoms: Amartya Sen's Capability Approach. *World Journal of Computer Application and Technology*, 6(1), 14-22.
12. Mitende Nicholus Nyapete, Anthony Rodrigues, Samuel Liyala. (2018) Efficient Resource Utilization in Information Security Risk Management Investment. *International Journal of Computer Applications Technology and Research*. Volume 7, 02, 86-93, ISSN:2319-8656. <http://ijcat.com/archieve/volume7/issue2/ijcatr07021008.pdf>
13. Sanja Michael Mutong'wa, Anthony J Rodrigues, Samuel Liyala (2017) Enterprise Resource Planning Systems and Integrated Financial Management Information System in Kenyan Public Sector: An Assessment.. *International Journal of Advanced Engineering and Management Research*. Vol. 2 (2) pp269-282.
14. Sanja Michael Mutong'wa, Anthony J Rodrigues, Samuel Liyala (2017) Effect of Integrated Financial Management Information System Use in Kenya : Case of Government Treasury.. *International Journal of Advanced Engineering and Management Research*. Vol. 2 (2) pp254-268. <http://www.ijaemr.com/link1.php?id=32>
15. E. M., Liyala S., Rodrigues A. J. (2017) Assessing Emerging Innovative Applications used in County Governments of Kenya Mengich. *International Journal of Advanced Research in*

- Computer and Communication Engineering. . Vol.6 (8) pp 1-5
doi 10.17148/ijarcce.2017.6801.
<http://ijarcce.com/upload/2017/august-17/IJARCCE%201.pdf>
16. Mengich Esau Mneria, Liyala Samuel, Rodrigues Anthony. (2017) Information Communication Technology Training as a Prerequisite for E-Government In County Governments Of Kenya. International Journal of Computer Applications Technology and Research. Volume 6, Issue 8, 396-400.
<http://ijcat.com/archieve/volume6/issue8/ijcatr06081020.pdf>
 17. Otieno, O. C., Liyala, S., Odongo, B. C., & Abeka, S. (2016). Elements Enhancing the Use of Mobile Phone Money Services: A Case of Homa Bay Region, Kenya. World Journal of Computer Application and Technology, 4(4), 39-45.
 18. Otieno, C. O., Liyala, S., Odongo, B. C., & Abeka, S. (2016). Challenges Facing the Use and Adoption of Mobile Phone Money Services. World Journal of Computer Application and Technology, 4(1), 8-14.
 19. Otieno, O. C., Liyala, S., Odongo, B. C., & Abeka, S. O. (2016). Theory of reasoned action as an underpinning to technological innovation adoption studies.
 20. Rambim, D., Ogara, S., Liyala, S., & Awuor, F. (2016, May). Towards an integrated framework for rural development in Kenya. In IST-Africa Week Conference, 2016 (pp. 1-8). IEEE.
 21. Otieno, O. C., Liyala, S., & Odongo, B. C. (2015). Theoretical and Practical Implications of Applying Theory of Reasoned Action in an Information Systems Study. Open Access Library Journal, 2 (12), 1.
 22. Liyala, S. O. (2012). Exploring performance ethnography to illuminate mobile banking capabilities in western Kenya: capability approach study (De Montfort University Leicester).
-

References

Professor Micheal Barrett

Cambridge Judge Business School University of Cambridge,
Trumpington Street, Cambridge CB2 1AG, UK
m.barrett@jbs.cam.ac.uk

Prof. Solomon Ogara

School of Informatics and Innovative Systems Jaramogi Oginga
Odinga University of Science and Technology, P. O. Box 210 - 40601
Bondo
solomon.ogara@gmail.com

Dr. Neil McBride, Reader

Centre for Computing and Social Responsibility, Faculty of
Technology, De Montfort University, LE1 9BH, The Gateway, Leicester,
United Kingdom
nkm@dmu.ac.uk