Academic profile

ODAWA, JAIRUS (PhD, MSc, BSc, CQMSA, MITAK, MAIS)

Contact Details

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About Me

I am an ICT professional of long standing having joined the profession 1987. I have managed systems development projects, implemented ERPs and managed MISs in both private and public organizations (over 20yrs). I have Taught - undergraduate (3 years), diploma (10yrs) and certificate courses. I have also organized and facilitated Training, workshops and seminars (15+ years) on various ICT technologies.

Qualifications

2019 University of Shanghai for Science and Technology, China**: PhD – Management Science and Engineering;** Thesis: Vehicle-pedestrian interaction at the midblock crosswalk, PhD Thesis, 2019

2013 Masinde Muliro University of Science and Technology: **M. Sc. – IT**; Thesis: "The Contribution of Business Process Reengineering to Business Process Automation in Public Universities: Case of MMUST"

2010 Kenya Methodist University: **B.Sc. -Computer Information Systems**

Professional Memberships and Activities

Member, Information Technology Association of Kenya (ITAK)

Academic member, Association for Information Systems (AIS)

Previous Working Experience

2014-todate Asst. Lecturer, Masinde Muliro University of Science & Technology

2003-2014 Senior Technician, Masinde Muliro University of Science & Technology

1992-1993 Systems Administrator, Maseno University

Expertise

Systems Development, Implementation and Administration; Training, ISO QMS Auditor, Business Process Management, Information Systems engineering

Research Interests

Business Process Management, ICT4D, Information Systems engineering

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Urban road traffic congestion, Traffic engineering and management

Journal and Research papers published/awaiting publication

1	"Strategic Deployment and Employment of ICT Resources in Public Institutions"; International Journal of Current Research (IJCR) Vol. 5, Issue, 09, September, 2013 ISSN: 0975-833X
2	"Challenges facing Business Process Automation in Public Universities in Kenya"; Journal of Emerging Trends in Computing and Information Sciences, Vol. 5, No. 4 April 2014 http://www.cisjournal.org/journalofcomputing/archive/vol5no4
3	"Effective Business Process Automation Through Process Reengineering: Case of Public A University in Kenya"; International Journal of Scientific Knowledge http://www.ijsk.org/uploads/3/1/1/7/3117743/418946065274746161
4	The Role of Information and Communication Technology in Computing, International Journal of Information and Communication Technology Research, Volume 6 No. 1, January 2016
5	**Malenje, J. O.,** Zhao, J., Li, P., & Han, Y. (2018). An extended car-following model with the consideration of the illegal pedestrian crossing. Physica A: Statistical Mechanics and its Applications, 508, 650-661. doi:10.1016/j.physa.2018.05.074 https://www.sciencedirect.com/science/article/pii/S0378437118306204
6	Zhao, Chen, Wang, **Odawa** (2018), Modeling loading area effectiveness at offline bus stops with no clear-cut separation of berths, Transportmetrica A: Transport science, https://www.tandfonline.com/doi/abs/10.1080/23249935.2018.1492999
7	**Malenje, J. O**., Zhao, J., Li, P., & Han, Y. (2019). Vehicle yielding probability estimation model at unsignalized midblock crosswalks in Shanghai, China. PLoS One, 14(3), e0213876. doi:10.1371/journal.pone.0213876. SCI search https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0213876
8	J. Zhao, **J. O. Malenje**, Y. Tang, and Y. Han, "Gap acceptance probability model for pedestrians at unsignalized mid-block crosswalks based on logistic regression," *Accident Analysis & Prevention,* vol. 129, pp. 76-83, 2019, https://doi.org/10.1016/j.aap.2019.05.012. SCI Search https://www.sciencedirect.com/science/article/pii/S0001457519300491