**Dr.Yaw Marfo Missah**

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**EDUCATION**

* Doctor of Computer Science (DCS), Enterprise Information System, May 2013
* Master of Science (MSIT), Information Technology, May 2004
* Bachelor of Science (BSc.), Computer Science May 2000

**PUBLICATIONS ­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­**

**Journal Papers**

1. Peter Appiahene, Yaw Marfo Missah (2020).Predicting Bank Operational Efficiency Using Machine Learning Algorithm: Comparative Study of Decision Tree, Random Forest,and Neural Networks. Advances in Fuzzy Systems.
2. Peter Appiahene, Yaw Marfo Missah (2019). Predicting the Operational Efficiency of Banks in the Presence of Information Technology Investment Using Artificial Neural Network. International Journal of Advances in Electronics and Computer Science. 6(11).
3. P. Appiahene and Y. M. Missah, "Bank Classification Algorithm: Case Study of Ghanaian Banks," 2019 International Conference on Communications, Signal Processing and Networks (ICCSPN), Accra, Ghana, 2019, IEEE. (pp. 1-6)
4. Peter Appiahene, Yaw Marfo Missah (2019). Evaluation of information technology impact on bank’s performance: The Ghanaian experience. Engineering Business Management 10(1-10).
5. Peter Appiahene, Nussip Najim, Yaw Marfo Missah (2018). Information Technology Impact on Productivity: Asystematic Review and Meta Analysis of the Literature 10(3).
6. Yaw Missah, Parag Dighe, Monty G. Miller, Kenneth Wall (2012). “Implementation of Electronic Medical Records” – A Case Study of An Eye Hospital. South Asian Journal of Business and Management Cases 2(1) 97–113
7. Yaw Marfo Missah (2015). “Business Innovation with Enterprise Architecture”. International Journal of Computer Applications 120(9):12-15.
8. Yaw Marfo Missah. (2015). “Empirical Bibliography on Enterprise Resources Planning Systems Implementation”. International Journal of Computer Applications 128(15):21-32.
9. Osei Boakye Michael, Yaw Marfo Missah (2016). “Utilizing Keystroke Dynamics as an Additional Security Measure to Password Security in Computer Web-based Applications - A Case Study of UEW”. International Journal of Computer Applications 149(5):35-44.
10. Asenso Kwarteng, Yaw Marfo Missah (2016). “Radar Signals Compression using Singular Value Decomposition (SVD) Approach”. International Journal of Computer Applications 150(12):14-19.
11. Michael Tetteh Asare, Yaw Marfo Missah, “An Enhanced Triple Data Encryption Standard (TDES) Algorithm to Secure Health Level Seven (hl7) Data Transfer”. International Research Journal of Engineering and Technology, 3(10), (2016)
12. E. Gyamfi, Y. Missah (2017). "Pixel-Based Unsupervised Classification Approach for Information Detection on Optical Markup Recognition Sheet", Advances in Science, Technology and Engineering Systems Journal, vol. 2, no. 4, pp. 121-132
13. Victoria Boafo , Yaw. Missah , O. Nyarko-Boateng, “Improving the Use of Information Systems for Hospital Management Using Balanced Scorecard Framework”. International Journal of Science and Engineering Applications. 6(8) (2017).

**Conferences**

1. Missah, Y.M., Dighe, P., Miller, M.G., Wall, K.L (2012). Data Conversion for Electronic Medical Records - A Case Study of SGN. Greater Nodia,India: BIMTECH, Macmillan Publishers India, LTD.
2. Peter Appiahene Kwame, Yaw Marfo Missah, Ussip Najim (2018). Information Technology Impact on Organizational Productivity: Asurvey of the Literature.
3. Peter Appiahene, Yaw Missah (2019). Bank Classification Algorithm: Acase study of Ghanaian Banks. International Conference on Computing, Computational Modelling and Application (ICCSPN).

**PROFESSINAL EXPERIENCE**

**IT Consultancy, GSNP+ Gujarat, India**

*Researcher* February 2012 - February 2012

* Worked on a project with the Gujarat State Network of People Living with HIV/AIDS (GSNP+) and assisted in analyzing their current network and communication systems, organizational communication and cooperation levels and processes and offered consultancy to increase the efficiency of network cooperation and communication
* Facilitated the most effective system of communication and cooperation between 25 district level networks as well as the state network. This was a qualitative Action Research to deeply understand the meaning of the results and responses to inquiry

**Shri Ganapati Netralaya Eye Hospital (SGN), India**

*Researcher* February 2012

* Determined the competencies required to transform existing HR process to an automated human resources management system, building competency mapping
* Provided a way of converting the old paper medical records into the new electronic medical records system (EMR)

**MSM/AMERIDOSE/NECC, Framingham, MA**

*IT Operations Administrator* May 2007-August 20011

* Participated in development of IT strategic plans ensuring linkage to the overall strategic business objectives of the corporation
* Responsible for plans to integrate system designs to meet changing business requirements. Makes sure that technology resources are effectively obtained and operated under corporate guidelines
* Applied managerial and operational controls to maximize return on technology and personnel investments. As a member of the senior IT leadership team, takes part in operating decisions
* Developed and maintain a flexible organizational architecture that ensured the best utilization of internal and external human resources
* Ensured system stability, scalability, and security are engineered into technology solutions

**TEACHING EXPERIENCE**

* **KNUST August 2014 - Present**
* **Clark University, Worcester** **MA**

*Graduate Instructor* January 2013-April 2013

Enterprise Resource Planning Systems (Masters Level)

Holding lectures

Grading papers and working with students on their assignments

*Co-Instructor*  May 2012-June 2012

Business Intelligence (Masters Level)

Hold lectures and tutorial sections.

Grading papers and working with students on their assignments

* **Current research**

1. Business Process and Workflow Management for Business Intelligence.
2. ERP systems, including EMR management.
3. Risk assessments using AI techniques.
4. AI simulations.