

## **SUMMARY VITA- Nasir Abdulai Boakye-Boateng, PMP**

*Adjunct Faculty of Electrical Engineering*

### **Education**

University of Tennessee Chattanooga, Computational Engineering, Ph.D. Present  
University of Tennessee Chattanooga, Electrical Engineering, M.S. May 2013  
Commonwealth Executive Master of Business Administration Aug 2012  
Kwame Nkrumah University of Science and Technology  
Electrical & Electronic Engineering B.S. June 2006  
Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

### **Academic Experience**

*Research Assistant*

**August 2013 – Date**

**University of Tennessee at Chattanooga, Tennessee USA**

- Teaching one session of ENEE 2700 L Electrical Circuits I Lab for fall 2013 semester.

*Adjunct Faculty*

**Summer 2013**

**University of Tennessee at Chattanooga, Tennessee USA**

- Teaching of ENEE 2720 L Electrical Circuits II Lab for summer II 2013 semester.

*Research Assistant*

**August 2011 – May 2013**

**University of Tennessee at Chattanooga, Tennessee USA**

- Setup and support of a new Smart Grid lab.
- Development of real-time simulation laboratory manual for courses in smart power systems.
- Collaborating with industry professionals to research solutions to power system challenges.
- Supervision of laboratory work of undergraduate students.

### **Non- Academic Experience**

*Software Engineer*

**September 2011 – Date**

**Motion View Software, LLC, Chattanooga, Tennessee USA**

- Design and implementation of new orthodontic software features, and scanning hardware.
- Project management of critical components of new Face Scanner.

*SMC Support Engineer*

**July 2009 – August 2011**

**MTN, Accra, Ghana**

- Established a system for monitoring and supporting business solution client services and handling email and phone support through a program of automation and related projects.
- Facilitated reduction in the delivery time of network quality reports from five days to 6 hours.
- Researched the root cause of low network availability increasing it from 96% to 99.3%.

*SMC Engineer*

**July 2008 – July 2009**

**MTN, Accra, Ghana**

- Acted as SMC Supervisor from January 2009 to July 2009, for a team of seven SMC Engineers.
- Provided Network Surveillance, problem resolution, monitoring and controlling events.
- Change management on MTN Ghana network to minimize negative impact on network **quality.**

*Project Manager*

**August 2007 – July 2008**

**Axon\_Information\_Systems, Accra, Ghana**

- Definition, scoping, costing and planning of software development and implementation projects

- Ensuring compliance to project and testing procedures.

*Asst. Area Electrical Engineer*

**October 2006 – August 2007**

Volta Aluminium Company Ltd (VALCO), Tema, Ghana

- High level support for plant maintenance teams at the Carbon Plant, Cast House, Cell Lines and Rectifier Station.
- Developed PLC and HMI programs for process automation

### **Publication**

1. H. Ahmed, R. Yaqub, N. A. Boakye-Boateng, and Y. Wang, “**System Architecture for Ride Portfolio Reporting Employing Energy Harvesting Scheme**”. 2012 International Conference on Connected Vehicles & Expo, Beijing, China, December 15, 2012.

### **Professional Organizations:**

Member, IEEE, IAS, PES, COMSOC, NSBE, PMI, Golden Key International Honor Society

### **Service**

Assisted in the organization of UTC Smart Grid Workshop 2011 and 2012.

- Mentored high school students to compete in the First Robotic Competition in summer of 2012.
- Community work during MTN Ghana’s 21 days of Y’ello Care in 2009, 2010 and 2011.