

SUMMARY VITA- Sarra Khalid Abd Elwahid

Adjunct Faculty of Electrical Engineering

Education

The University of Tennessee at Chattanooga
Master of Science in Electrical Engineering

Aug 2013

The University of Khartoum
Bachelor of Science in Electrical Engineering

Aug 2009

Academic Experience

University of Tennessee at Chattanooga, Chattanooga, TN
Adjunct Instructor - Department of Electrical Engineering

Aug 2013 – Present

- Electrical Circuits 1 Lab
- Electrical Machines Lab
- Power Electronics Lab

University of Khartoum,
Teaching Assistant - Department of Electrical Engineering

Sept 2009 – Aug 2011

- Electrical Machine lab
- Power system analysis and design tutorials
- Electrical Machine dynamics tutorials
- Power Electronics Lab

Non-Academic Experience

Asawer for Oil & Gas
Electrical Engineer Intern

Jan 2011 – July 2011

- Responsible for creating the electrical wiring layouts for new mechanical workshop, cable routing layouts, and cable sizing.

Skills

Software:

Power World, ETAP, Omicron software, SEL5010, AutoCAD 2010, SVP configurator, Doble software, synchroWAVE central admin

Hardware:

OPAL-RT digital simulator, SEL-321, SEL-421, SEL-411, SEL-487, SEL-3378, Doble amplifiers, Omicron test set, and omicron amplifier

Publications:

1. Hardware Implementation of an Automatic Adaptive Centralized Underfrequency Load Shedding Scheme, IEEE TRANSACTIONS ON POWER DELIVERY, accepted June 11, 2014.