

## **C.V**

### **Osman Bashir Elkhidir Ali**

#### **CONTACT INFORMATION**

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#### **PERSONAL INFORMATION**

- Nationality: Sudanese.
- Birth date: 13/01/1991
- Gender: male.
- Marital Status: married
- Military Status: completed
- Passport: P01091173

#### **OBJECTIVE**

- Seeking a suitable position in a reputable firm where my experience accomplishments, and proficiency will allow me the opportunity for growth.

#### **EDUCATIONAL INFORMATION**

- Sudan University of Science and Technology, M.Sc in Electrical Engineering ( Power & machines ) 2016
- Sudan University of Science and Technology, B.Sc ( FIRST CLASS) in Electrical Engineering ( Power & machines ) 2013

#### **Publications**

- “Unwanted operation of differential protection function in T60 relays due to failures in CT/VT module” – IEEE  
<https://ieeexplore.ieee.org/document/8515870>
- Static Reactive Power Compensation Unit Protection – SUST Repository-  
<http://repository.sustech.edu/handle/123456789/14032>

#### **ADDED VALUE COURSES & TRAINING:**

- IELTS (6)
- English language course – BRITISH COUNCIL
- Combined cycle plant operation & maintenance planning training program EGCO (Thailand).

- Transformer and generator protection - Training and Integrated development centre
- A training course in PLC at Sudanese Sugar Company - National Sugar Training Centre (N.S.T.C).
- IT Essentials (PC Hardware & Network) at IT academy, supported with a certificate from Collage of Salford Britain.
- Electrical Installations Course at Sudan University of Science and Technology, Training and Self-Assessment Department.
- A training program in Effective Report Writing at Sudan University of Science and Technology, Association of Petroleum Engineering (APE).
- advance diploma in industrial automation and control (serivanta training centre)
- professional trainer maker (PTM) course (Bayader Oxford training centre)

## EXPERIENCE

- Sudanese thermal power generating company (STPG) (1/1/2015 – till now) electrical maintenance department in Garry power station:
  - Major Over-Hall (MO) of 3 gas turbine
  - Hot Gas Path Inspection(HGPI) of 4 gas turbine
  - Combustion Inspection of 2 gas turbine
  - Major Over-Hall (MO) of 1 steam turbine
  - Minor Over-Hall (MO) of 3 steam turbine

doing the following tasks:

- Generator stator and rotor electrical tests
  - 1- Winding DC resistance test (OMICRON CPC 100).
  - 2- Winding insulation resistance test (MEAGER).
- Power transformer (11kv/6.3 kv 8 MVA oil type & 11kv/415v 400KVA dry type transformer)
  - 1- Winding DC resistance test (OMICRON CPC 100).
  - 2- Winding insulation resistance test (MEAGER).
  - 3- Transformer ratio test (OMICRON CPC 100).
  - 4- Excitation current test (OMICRON CPC 100).
- Circuit breakers testing (SF6, Vacuum, Air circuit breakers )
  - 1- Timing tests (C.B analyzer )
  - 2- Contacts resistance test (OMICRON CPC 100).

### 3- Insulation resistance test (MEAGER).

- Lecturer at the international Cambridge university (13/6/2016 – 13/10/2016)
  - Electrical transformer course.
- Sudanese Electricity Transmission Co. Ltd (SETCO) (8/10/2013 – 1/1/2015 ) protection department:
  - Testing and commissioning of the protection relays of HV transmission lines.
  - Testing and commissioning of the protection relays of HV power transformers.
- Teaching Assistance (Part-time), School of Electrical & Nuclear Engineering, College of Engineering, Sudan University of Science & Technology(SUST) (1/10/2013 –1/1/2015).

## **SKILLS**

### **PERSONNEL SKILLS**

- Excellent communication skills.
- Ability to work under pressure.
- Able to learn new tasks quickly.
- Self-motivated, dependable and goal oriented.
- Good presentation skills.
- Ability to work individually and a co-operative team member.

### **LANGUAGE SKILLS**

- Excellent command of written and spoken Arabic language.
- Good command of written and spoken English language.

### **COMPUTER SKILLS**

- Proficient in usage of Microsoft Office.
- Excellent in programming PLC ladder language.
- Excellent in programming with MATLAB.
- Very good in usage of micro C pro program for programming micro controllers.